DAIKIN

ED 12 - 723

Engineering Data

- Cooling Only / Heat Pump -

SUPER MULTI NX

B-Series / D-Series

INVERTER

DAIKIN INDUSTRIES, LTD.

Cautions

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided and choose an outdoor unit with anti-corrosion treatment.

Part 1 Features

1

1. Outdoor Units

Features

New Stylish Wall Mounted Type
for 50/60/71 Class

High Energy Saving

Comfortable Functions & Indoor Unit Variety


< 58-75 class >


< 80 class >


< 100 class >

05RAG15B- 5

Swing Compressor

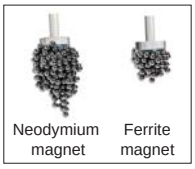
Large Energy Savings
Smooth rotation with little friction and refrigerant gas compression with little loss, allowing high operation efficiency

Low Vibrations and Low Noise
Smooth piston motion as if sliding along a “groove,” resulting in low vibrations and low noise

High Durability
Few parts rubbing each other during operation, achieving high performance and reliability

Reluctance DC Motor

Higher efficiency with 2 different torques
– magnetic torque of ND magnet and reluctance torque
Distinctive effect in energy-saving running in low-frequency zone



05RAG15B- 11

2. Indoor Units

2.1 Wall Mounted Type

Features

< FTKD25-35DVM >

Stylish Flat Design

Higher Energy Saving
High Grade DC Inverter Model
-DC Compressor (Reluctance DC Motor)
-DC Fan Motor (Outdoor Unit)

Quiet Sound Levels

Comfortable Functions

Easy Maintenance
Wipe-clean Flat Panel
Removable Drain Pan

05RAG02B- 11

Features

< FTXE25/35B >

< FTK(X)D50/60/71F > New

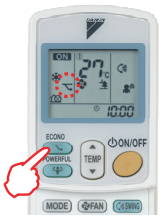
- **Energy Saving**
  - High COP
  - Intelligent Eye
- **New Flat Panel**
  - Their sleek appearance coordinates so easily with any interior decor
  - Comfort, Improved Air flow & Easy to clean
- **Comfortable Functions**
  - Home Leave Operation
  - Indoor Unit Quiet Operation
- **Healthy & Clean Functions**
  - Photocatalytic Deodorizing Function
- **Same Indoor Unit for Pair / Multi**

03RAGB-11

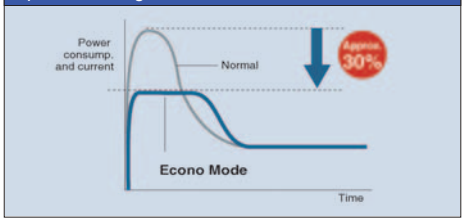
ECONO Mode

Decrease the Operating Current

The "ECONO mode" reduces the maximum operating current and power consumption by approx. 30% during start up etc..
This mode is particularly convenient for energy-saving-oriented users. It is also a major bonus for those whose breaking capacities do not allow the use of multiple electrical devices and air conditioners.
It is easily activated from the wireless remote controller by pushing the ECONO button.



Operation Image



05RAG02B- 29

■ FTKD25-35D series only.

ECONO Mode

Notes

- When this function is ON, the maximum capacity is also down. (Approx. 20%)
- This function can only be set when the unit is running. Pressing the operation stop button causes the settings to be canceled.
- This function and "Powerful operation" cannot be used at the same time. (Priority is given to Powerful operation.)
- In case of the multi system connection, the unit drops maximum capacity to equal level with nominal capacity in stead of current control. **(Only for FTKD-DVM)**

05RAG02B- 30

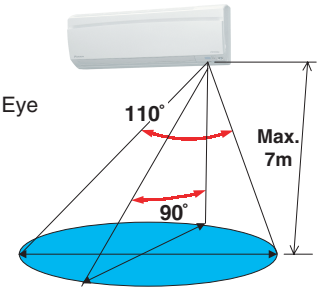
■ FTKD25-35D series only.

Intelligent Eye

= Sensing human presence utilizing infrared rays =

■Coverage Area within 7 m (Max)

Intelligent Eye Sensor

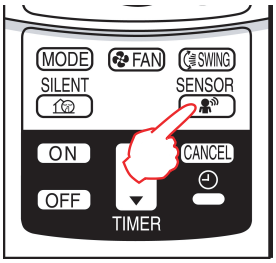


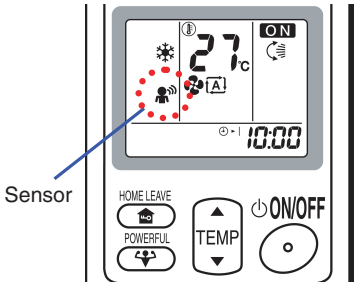
05RAG02B- 31

■ In case of FTKD25-35D series.

Intelligent Eye

= Just one push of the [SENSOR] button =

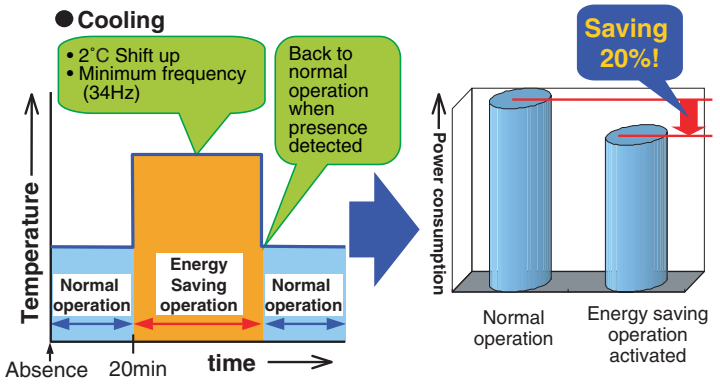




05RAG02B- 32

Intelligent Eye

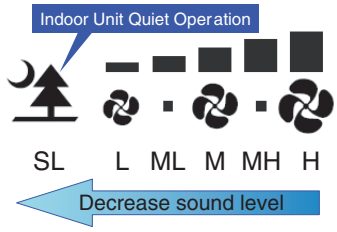
= Automatic shift up when sensing no human, intelligently saving energy =



05RAG02B- 33

6 Steps Air Flow Rate

Air Flow Setting on the R/C



A sound level step by step decreases approximately 2 or 3 dB by choosing smaller airflow setting.

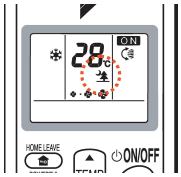
Selectable 6 steps air flow rate (5 steps and Quiet) make fine on-demand comfort.

Quiet Operation for Better Sleep

05RAG02B- 35

Indoor Unit Quiet Operation

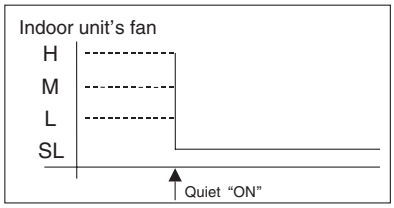
When air flow is set to "Quiet" through a remote controller, the operation sound of the indoor unit is reduced by 3dB.
This is a convenient function while studying or sleeping.



■ Air flow setting button

Auto → Super Low (SL) → Low (L) → ● → Middle (M) → ● → High (H)

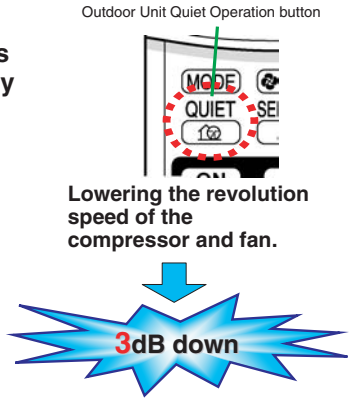
<Note>
If the unit operates in " SL" or " L" mode with small air flow, operating noise is reduced but cooling / heating capacity is reduced too.



05RAG02B- 36

Outdoor Unit Quiet Operation

When QUIET button is selected, the outdoor unit's operation sound reduces by 3dB.
In night time operation, the unit can be operated with less nuisance to the neighborhood.



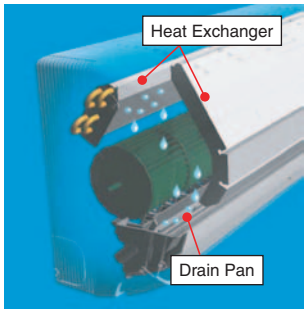
05RAG02B- 41

■ FTKD25-35D series only.

Mold Proof Function

After cooling or dry operation, some drain water remains inside the indoor unit (on the heat exchanger, the drain pan, etc...). This moisture causes the generation of mold.

The "Mold Proof Operation" reduces the spread of mold, and decreases nasty odors that is caused by the mold.



05RAG02B- 44

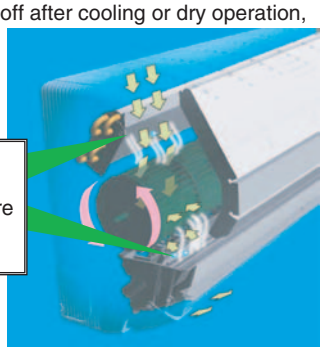
■ FTKD25-35D series only.

Mold Proof Function

Press and hold the "MOLD PROOF" button for 2 seconds in advance.

When the unit turned off after cooling or dry operation, the unit starts fan operation at a slow speed* for approximately 1 hour.

The fan operation vaporizes the moisture inside the unit.



Note) * : the fan rotation speed is slower than the "Indoor Unit Quiet Operation".

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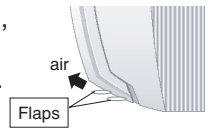
Mold Proof Function

Notes

- This function is not designed to remove existing dust or mold.
- This function is not available when the unit is turned off using the off timer.
- During this function is operated, the flaps open a little and the air is blown upward slightly.

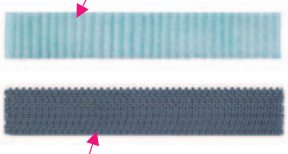


05RAG02B- 46

■ FTKD25-35D series only.

Air-Purifying Filter & Photocatalytic Deodorizing Filter

Air purifying filter
Remove the house dust and pollen.



Photocatalytic deodorizing filter
Decompose the odours and bacteria.

Photocatalytic titanium oxide filter

Powerful oxidizing effect decompose the odours or harmful gas by chemical reaction.
Also catch the bacteria and virus and stop their multiplication.

* Recover the deodorizing power by exposing this filter to the sun.
- need maintenance once per 6 months
- hang the filters under the sun for about 6 hours

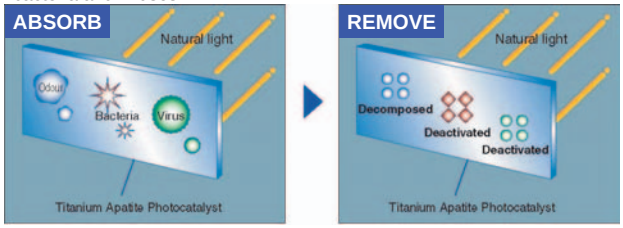
05RAG02B- 47

■ FTKD25-35D series.

Titanium Apatite Photocatalytic Air-Purifying Filter New

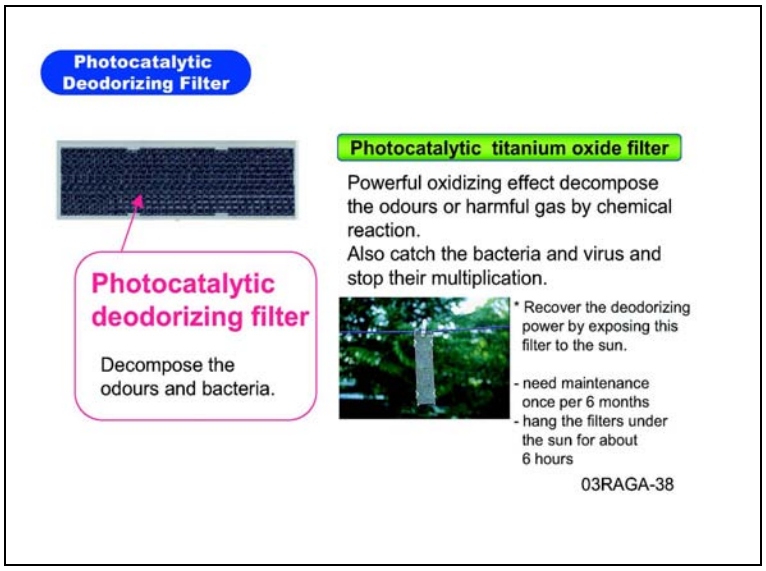
It lasts for three years without replacement if washed about once every six months.

Absorbs microscopic particles, decomposes odours and even deactivates bacteria and viruses.

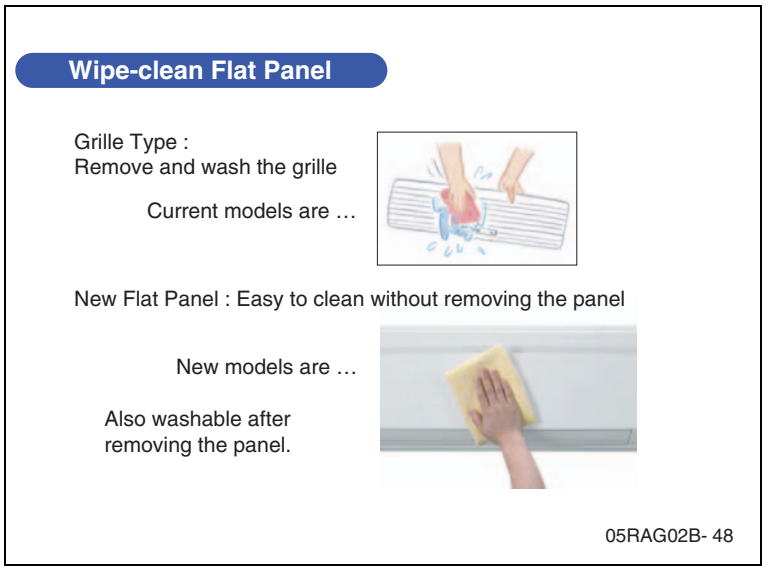


05RAG19A- 31

■ FTK(X)D50/60/71F series.



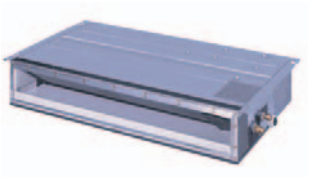
- FTXE25-35B series.
- FLK(X)25-60A series.



2.2 Duct Connected Type

Feautures

< CDK(X)D25-60C >

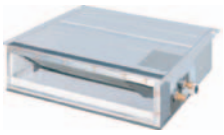


- Quiet Operation
- Slim Design (Height 200 mm)
- External Static Pressure 40 Pa

04RAGN-5

Feautures

<CDK(X)D25·35E>



Saving Space
More Compact W700mm
Slim Height H200mm

Comfortable Functions
for Residential Use

Installation Example

06RAG08-2

2.3 Floor / Ceiling Suspended Dual Type

Features

< FLK(X)25-60A >

- **Energy Saving**
  - High COP
- **Comfortable Air Flow**
  - Wide-Angle louvres (Auto swing right & left)
- **Healthy & Clean functions**
  - Photocatalytic Deodorizing Filter
  - Air Purifying Filter
- **Pair / Multi Compatible Indoor Unit**

03RAGA-39

Part 2
Multi-Split System Room Air Conditioners SUPER MULTI NX D-Series Cooling Only

FTKD25DVM	FLK25AVMA	2MKD58DVM
FTKD35DVM	FLK35AVMA	3MKD58DVM
FTKD50FVM	FLK50AVMA8	3MKD75DVM
FTKD60FVM	FLK60AVMA8	4MKD75DVM
FTKD71FVM		4MKD100DVM
CDKD25CVM		
CDKD35CVM		
CDKD50CVM		
CDKD60CVM		
CDKD25EAVM		
CDKD35EAVM		

1. Power Supply

Indoor Unit		Outdoor Unit	Power Supply
Wall Mounted Type	FTKD25DVM	2MKD58DVM 3MKD58DVM 3MKD75DVM 4MKD75DVM 4MKD100DVM	1ϕ, 220-240V, 50Hz 1ϕ, 220-230V, 60Hz
	FTKD35DVM		
	FTKD50FVM		
	FTKD60FVM		
	FTKD71FVM		
Duct Connected Type	CDKD25CVM		
	CDKD35CVM		
	CDKD50CVM		
	CDKD60CVM		
	CDKD25EAVM		
	CDKD35EAVM		
Floor / Ceiling Suspended Dual Type	FLK25AVMA		
	FLK35AVMA		
	FLK50AVMA8		
	FLK60AVMA8		

Note: Power Supply Intake ; Outdoor Unit

2. Functions

Category	Functions	FTKD25/35DVM	FTKD50-71FVM	Category	Functions	FTKD25/35DVM	FTKD50-71FVM
Basic Function	Inverter (with Inverter Power Control)	○	○	Health & Clean	Air Purifying Filter with Bacteriostatic & Virustatic Functions	○	—
	Operation Limit for Cooling (°CDB)	—	—		Photocatalytic Deodorizing Filter	○	—
	Operation Limit for Heating (°CWB)	—	—		Air Purifying Filter with Photocatalytic Deodorizing Function	—	—
	PAM Control	—	—		Titanium Apatite Photocatalytic Air-Purifying Filter	—	○
Compressor	Oval Scroll Compressor	—	—		Longlife Filter	—	—
	Swing Compressor	—	—		Mold Proof Air Filter	○	○
	Rotary Compressor	—	—		Wipe-clean Flat Panel	○	○
	Reluctance DC Motor	—	—		Washable Grille	—	—
Comfortable Airflow	Power-Airflow Flap	—	—		Mold Proof Operation	○	—
	Power-Airflow Dual Flaps	○	○		Heating Dry Operation	—	—
	Power-Airflow Diffuser	—	—		Good-Sleep Cooling Operation	—	—
	Wide-Angle Louvers	○	○	Timer	24-Hour On/Off Timer	○	○
	Vertical Auto-Swing (Up and Down)	○	○		Night Set Mode	○	○
	Horizontal Auto-Swing (Right and Left)	—	○	Worry Free “Reliability & Durability”	Auto-Restart (after Power Failure)	○	○
	3-D Airflow	—	○		Self-Diagnosis (Digital, LED) Display	○	○
	Comfort Airflow Mode	—	—		Wiring-Error Check	—	—
	3-Step Airflow (H/P Only)	—	—		Anticorrosion Treatment of Outdoor Heat Exchanger	—	—
Comfort Control	Auto Fan Speed	○	○	Flexibility	Multi-Split / Split Type Compatible Indoor Unit	○	○
	Indoor Unit Quiet Operation	○	○		Flexible Voltage Correspondence	○	○
	Night Quiet Mode (Automatic)	—	—		High Ceiling Application	—	—
	Outdoor Unit Quiet Operation (Manual)	—	—		Chargeless	—	—
	Intelligent Eye	○	○		Either Side Drain (Right or Left)	○	○
	Quick Warming Function	—	—		Power-Selection	—	—
	Hot-Start Function	—	—	Remote Control	5-Rooms Centralized Controller (Option)	○	○
	Automatic Defrosting	—	—		Remote Control Adaptor (Normal Open-Pulse Contact) (Option)	○	○
Operation	Automatic Operation	—	—		Remote Control Adaptor (Normal Open Contact) (Option)	○	○
	Programme Dry Function	○	○		DIII-NET Compatible (Adaptor) (Option)	○	○
	Fan Only	○	○	Remote Controller	Wireless	○	○
Lifestyle Convenience	New Powerful Operation (Non-Inverter)	—	—		Wired	—	—
	Inverter Powerful Operation	○	○				
	Priority-Room Setting	—	—				
	Cooling / Heating Mode Lock	—	—				
	Home Leave Operation	—	○				
	ECONO Mode	○	—				
	Indoor Unit On/Off Switch	○	○				
	Signal Reception Indicator	○	○				
	Temperature Display	—	—				
	Another Room Operation	—	—				

Note: ○ : Holding Functions
— : No Functions

Category	Functions	CDKD25-60CVM	CDKD25/35EAVM	Category	Functions	CDKD25-60CVM	CDKD25/35EAVM
Basic Function	Inverter (with Inverter Power Control)	○	○	Health & Clean	Air Purifying Filter with Bacteriostatic & Virustatic Functions	—	—
	Operation Limit for Cooling (°CDB)	—	—		Photocatalytic Deodorizing Filter	—	—
	Operation Limit for Heating (°CWB)	—	—		Air Purifying Filter with Photocatalytic Deodorizing Function	—	—
	PAM Control	—	—		Titanium Apatite Photocatalytic Air-Purifying Filter	—	—
Compressor	Oval Scroll Compressor	—	—		Longlife Filter	—	—
	Swing Compressor	—	—		Mold Proof Air Filter	—	—
	Rotary Compressor	—	—		Wipe-clean Flat Panel	—	—
	Reluctance DC Motor	—	—		Washable Grille	—	—
Comfortable Airflow	Power-Airflow Flap	—	—		Mold Proof Operation	—	—
	Power-Airflow Dual Flaps	—	—		Heating Dry Operation	—	—
	Power-Airflow Diffuser	—	—		Good-Sleep Cooling Operation	—	—
	Wide-Angle Louvers	—	—	Timer	24-Hour On/Off Timer	○	○
	Vertical Auto-Swing (Up and Down)	—	—		Night Set Mode	○	○
	Horizontal Auto-Swing (Right and Left)	—	—	Worry Free “Reliability & Durability”	Auto-Restart (after Power Failure)	○	○
	3-D Airflow	—	—		Self-Diagnosis (Digital, LED) Display	○	○
	Comfort Airflow Mode	—	—		Wiring-Error Check	—	—
	3-Step Airflow (H/P Only)	—	—		Anticorrosion Treatment of Outdoor Heat Exchanger	—	—
Comfort Control	Auto Fan Speed	○	○	Flexibility	Multi-Split / Split Type Compatible Indoor Unit	—	—
	Indoor Unit Quiet Operation	○	○		Flexible Voltage Correspondence	○	○
	Night Quiet Mode (Automatic)	—	—		High Ceiling Application	—	—
	Outdoor Unit Quiet Operation (Manual)	—	—		Chargeless	—	—
	Intelligent Eye	—	—		Either Side Drain (Right or Left)	—	—
	Quick Warming Function	—	—		Power-Selection	—	—
	Hot-Start Function	—	—	Remote Control	5-Rooms Centralized Controller (Option)	○	○
	Automatic Defrosting	—	—		Remote Control Adaptor (Normal Open-Pulse Contact) (Option)	○	○
Operation	Automatic Operation	—	—		Remote Control Adaptor (Normal Open Contact) (Option)	○	○
	Programme Dry Function	○	○		DIII-NET Compatible (Adaptor) (Option)	○	○
	Fan Only	○	○	Remote Controller	Wireless	○	○
Lifestyle Convenience	New Powerful Operation (Non-Inverter)	—	—		Wired	—	—
	Inverter Powerful Operation	○	○				
	Priority-Room Setting	—	—				
	Cooling / Heating Mode Lock	—	—				
	Home Leave Operation	○	○				
	ECONO Mode	—	—				
	Indoor Unit On/Off Switch	○	○				
	Signal Reception Indicator	○	○				
	Temperature Display	—	—				
	Another Room Operation	—	—				

Note: ○ : Holding Functions
— : No Functions

Category	Functions	FLK25/35AVMA FLK50/60AVMA8	2MKD58DVM 3MKD58/75DVM 4MKD75/100DVM	Category	Functions	FLK25/35AVMA FLK50/60AVMA8	2MKD58DVM 3MKD58/75DVM 4MKD75/100DVM
Basic Function	Inverter (with Inverter Power Control)	○	○	Health & Clean	Air Purifying Filter with Bacteriostatic & Virustatic Functions	○	—
	Operation Limit for Cooling (°CDB)	—	10 ~ 46		Photocatalytic Deodorizing Filter	○	—
	Operation Limit for Heating (°CWB)	—	—		Air Purifying Filter with Photocatalytic Deodorizing Function	—	—
	PAM Control	—	○		Titanium Apatite Photocatalytic Air-Purifying Filter	—	—
Compressor	Oval Scroll Compressor	—	—		Longlife Filter	—	—
	Swing Compressor	—	○		Mold Proof Air Filter	○	—
	Rotary Compressor	—	—		Wipe-clean Flat Panel	—	—
	Reluctance DC Motor	—	○		Washable Grille	—	—
Comfortable Airflow	Power-Airflow Flap	—	—		Mold Proof Operation	—	—
	Power-Airflow Dual Flaps	—	—		Heating Dry Operation	—	—
	Power-Airflow Diffuser	—	—		Good-Sleep Cooling Operation	—	—
	Wide-Angle Louvers	—	—	Timer	24-Hour On/Off Timer	○	—
	Vertical Auto-Swing (Up and Down)	○	—		Night Set Mode	○	—
	Horizontal Auto-Swing (Right and Left)	—	—	Worry Free “Reliability & Durability”	Auto-Restart (after Power Failure)	○	—
	3-D Airflow	—	—		Self-Diagnosis (Digital, LED) Display	○	○
	Comfort Airflow Mode	—	—		Wiring-Error Check	—	○
	3-Step Airflow (H/P Only)	—	—		Anticorrosion Treatment of Outdoor Heat Exchanger	—	○
Comfort Control	Auto Fan Speed	○	—	Flexibility	Multi-Split / Split Type Compatible Indoor Unit	○	—
	Indoor Unit Silent Operation	○	—		Flexible Voltage Correspondence	○	○
	Night Quiet Mode (Automatic)	—	○		High Ceiling Application	—	—
	Outdoor Unit Silent Operation (Manual)	—	○		Chargeless	—	○
	Intelligent Eye	—	—		Either Side Drain (Right or Left)	—	—
	Quick Warming Function	—	—		Power-Selection	—	—
	Hot-Start Function	—	—	Remote Control	5-Rooms Centralized Controller (Option)	○	—
	Automatic Defrosting	—	—		Remote Control Adaptor (Normal Open-Pulse Contact) (Option)	○	—
Operation	Automatic Operation	—	—		Remote Control Adaptor (Normal Open Contact) (Option)	○	—
	Programme Dry Function	○	—		DIII-NET Compatible (Adaptor) (Option)	○	—
	Fan Only	○	—	Remote Controller	Wireless	○	—
Lifestyle Convenience	New Powerful Operation (Non-Inverter)	—	—		Wired	—	—
	Inverter Powerful Operation	○	—				
	Priority-Room Setting	—	○				
	Cooling / Heating Mode Lock	—	—				
	Home Leave Operation	○	—				
	ECONO Mode	—	—				
	Indoor Unit On/Off Switch	○	—				
	Signal Reception Indicator	○	—				
	Temperature Display	—	—				
	Another Room Operation	—	—				

Note: ○ : Holding Functions
— : No Functions

3. Specifications

3.1 Indoor Units

Wall Mounted Type

50Hz 220-230-240V / 60Hz 220-230V

2

Model				FTKD25DVM	FTKD35DVM
Rated Capacity ★				2.5kW Class	3.5kW Class
Front Panel Color				White	White
Air Flow Rates		m³/min (cfm)	H	8.9 (314)	9.0 (318)
			M	7.3 (256)	7.4 (259)
			L	5.6 (198)	5.7 (201)
			SL	4.8 (169)	4.9 (173)
Fan	Type			Cross Flow Fan	Cross Flow Fan
	Motor Output		W	18	18
	Speed		Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Air Direction Control				Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter				Removable-Washable-Mildew Proof	Removable-Washable-Mildew Proof
Running Current (Rated)			A	0.17-0.16-0.15/0.19-0.18	0.19-0.18-0.17/0.21-0.20
Power Consumption (Rated)			W	35-35-35/40-40	40-40-40/45-45
Power Factor			%	93.6-95.1-97.2/95.7-96.6	95.7-96.6-98.0/97.4-97.8
Temperature Control				Microcomputer Control	Microcomputer Control
Dimensions (H×W×D)			mm	283×800×195	283×800×195
Packaged Dimensions (H×W×D)			mm	265×855×340	265×855×340
Weight			kg	9	9
Gross Weight			kg	12	12
Operation Sound	H/L/SL		dBA	37/28/25	39/29/26
Heat Insulation				Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Piping Connection		Liquid	mm	ϕ 6.4	ϕ 6.4
		Gas	mm	ϕ 9.5	ϕ12.7
		Drain	mm	ϕ18.0	ϕ18.0
Drawing No.				3D049308A	3D049309A

Model				FTKD50FVM	FTKD60FVM
Rated Capacity ★				5.0kW Class	6.0kW Class
Front Panel Color				White	White
Air Flow Rates		m³/min (cfm)	H	16.8 (593)	17.5 (618)
			M	14.0 (494)	14.6 (516)
			L	11.8 (417)	12.2 (431)
			SL	10.4 (367)	10.8 (381)
Fan	Type			Cross Flow Fan	Cross Flow Fan
	Motor Output		W	43	43
	Speed		Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Air Direction Control				Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter				Removable-Washable-Mildew Proof	Removable-Washable-Mildew Proof
Running Current (Rated)			A	0.19-0.18-0.17/0.19-0.18	0.21-0.20-0.19/0.21-0.20
Power Consumption (Rated)			W	40	45
Power Factor			%	95.7-96.6-98.0/95.7-96.6	97.4-97.8-98.7/97.4-97.8
Temperature Control				Microcomputer Control	Microcomputer Control
Dimensions (H×W×D)			mm	290×1,050×238	290×1,050×238
Packaged Dimensions (H×W×D)			mm	337×1,147×366	337×1,147×366
Weight			kg	12	12
Gross Weight			kg	17	17
Operation Sound	H/M/L/SL		dBA	44/40/35/32	45/41/36/33
Heat Insulation				Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Piping Connection		Liquid	mm	ϕ 6.4	ϕ 6.4
		Gas	mm	ϕ12.7	ϕ15.9
		Drain	mm	ϕ18.0	ϕ18.0
Drawing No.				3D056204	3D056205

★ See Page 25 “Combination Capacity”.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

50Hz 220-230-240V / 60Hz 220-230V

Model			FTKD71FVM
Rated Capacity ★			7.1kW Class
Front Panel Color			White
Air Flow Rates	m³/min (cfm)	H	18.3 (646)
		M	15.3 (540)
		L	12.7 (448)
		SL	11.3 (399)
Fan	Type		Cross Flow Fan
	Motor Output	W	43
	Speed	Steps	5 Steps, Quiet, Auto
Air Direction Control			Right, Left, Horizontal, Downward
Air Filter			Removable-Washable-Mildew Proof
Running Current (Rated)		A	0.23-0.22-0.21/0.23-0.22
Power Consumption (Rated)		W	50
Power Factor		%	98.8-98.8-99.2/98.8-98.8
Temperature Control			Microcomputer Control
Dimensions (H×W×D)		mm	290×1,050×238
Packaged Dimensions (H×W×D)		mm	337×1,147×366
Weight		kg	12
Gross Weight		kg	17
Operation Sound	H/M/L/SL	dBA	46/42/37/34
Heat Insulation			Both Liquid and Gas Pipes
Piping Connection	Liquid	mm	ϕ 9.5
	Gas	mm	ϕ15.9
	Drain	mm	ϕ18.0
Drawing No.			3D056206

★ See Page 25 “Combination Capacity”.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Duct Connected Type

50Hz 220-230-240V / 60Hz 220-230V

Model				CDKD25CVM	CDKD35CVM
Rated Capacity ★				2.5kW Class	3.5kW Class
Front Panel Color				—	—
Air Flow Rates		m³/min (cfm)	H	9.5 (335)	10.0 (353)
			M	8.8 (311)	9.3 (328)
			L	8.0 (282)	8.5 (300)
			SL	6.7 (237)	7.0 (247)
Fan	Type			Sirocco Fan	Sirocco Fan
	Motor Output		W	62	62
	Speed		Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Running Current (Rated)			A	0.47-0.47-0.48/0.52-0.53	0.47-0.48-0.48/0.53-0.54
Power Consumption (Rated)			W	97-100-107/108-113	97-100-107/110-113
Power Factor			%	93.8-92.5-92.9/94.4-92.7	93.8-90.6-92.9/94.3-91.0
Temperature Control				Microcomputer Control	Microcomputer Control
Dimensions (H×W×D)			mm	200×900×620	200×900×620
Packaged Dimensions (H×W×D)			mm	266×1,106×751	266×1,106×751
Weight			kg	25	25
Gross Weight			kg	31	31
Operation Sound	H/M/L/SL		dBA	35/33/31/29	35/33/31/29
External Static Pressure			Pa	40	40
Moisture Removal			L/h	1.2	1.9
Heat Insulation				Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Piping Connection		Liquid	mm	ϕ 6.4	ϕ 6.4
		Gas	mm	ϕ 9.5	ϕ12.7
		Drain	mm	VP20 (O.D.ϕ 26 / I.D.ϕ 20)	VP20 (O.D.ϕ 26 / I.D.ϕ 20)
Drawing No.				3D046077A	3D046078A

Model				CDKD50CVM	CDKD60CVM
Rated Capacity ★				5.0kW Class	6.0kW Class
Front Panel Color				—	—
Air Flow Rates		m³/min (cfm)	H	12.0 (424)	16.0 (565)
			M	11.0 (388)	14.8 (523)
			L	10.0 (353)	13.5 (477)
			SL	8.4 (297)	11.2 (395)
Fan	Type			Sirocco Fan	Sirocco Fan
	Motor Output		W	130	130
	Speed		Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Running Current (Rated)			A	0.65-0.66-0.67/0.79-0.80	0.74-0.75-0.75/0.89-0.90
Power Consumption (Rated)			W	133-140-150/164-167	152-160-168/185-187
Power Factor			%	93.0-92.2-93.3/94.4-90.8	93.4-92.8-93.3/94.5-90.3
Temperature Control				Microcomputer Control	Microcomputer Control
Dimensions (H×W×D)			mm	200×900×620	200×1,100×620
Packaged Dimensions (H×W×D)			mm	266×1,106×751	266×1,306×751
Weight			kg	27	30
Gross Weight			kg	33	36
Operation Sound	H/M/L/SL		dBA	37/35/33/31	38/36/34/32
External Static Pressure			Pa	40	40
Moisture Removal			L/h	2.9	3.9
Heat Insulation				Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Piping Connection		Liquid	mm	ϕ 6.4	ϕ 6.4
		Gas	mm	ϕ12.7	ϕ15.9
		Drain	mm	VP20 (O.D.ϕ 26 / I.D.ϕ 20)	VP20 (O.D.ϕ 26 / I.D.ϕ 20)
Drawing No.				3D046079A	3D046080A

Note:

1. ★ See Page 25 “Combination Capacity”.
2. The operating sound is based on the rear side suction inlet and the external static pressure 40 Pa. Operating sound for under side suction inlet : [operating sound for rear side suction inlet] +5 dB. However, when installation to which the external static pressure becomes low is carried out, 5 dB or more may go up.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

50Hz 220-230-240V / 60Hz 220-230V

Model				CDKD25EAVM	CDKD35EAVM
Rated Capacity ★				2.5kW Class	3.5kW Class
Front Panel Color				—	—
Air Flow Rates		m³/min (cfm)	H	8.7 (307)	8.7 (307)
			M	8.0 (282)	8.0 (282)
			L	7.3 (258)	7.3 (258)
			SL	6.2 (219)	6.2 (219)
Fan	Type			Sirocco Fan	Sirocco Fan
	Motor Output		W	62	62
	Speed		Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Running Current (Rated)			A	0.47-0.48-0.49/0.52-0.53	0.47-0.48-0.49/0.52-0.53
Power Consumption (Rated)			W	70-71-72/72-73	70-71-72/72-73
Power Factor			%	67.7-64.3-61.2/62.9-59.9	67.7-64.3-61.2/62.9-59.9
Temperature Control				Microcomputer Control	Microcomputer Control
Dimensions (H×W×D)			mm	200×700×620	200×700×620
Packaged Dimensions (H×W×D)			mm	274×906×751	274×906×751
Weight			kg	21	21
Gross Weight			kg	29	29
Operation Sound	H/M/L/SL		dBA	35/33/31/29	35/33/31/29
External Static Pressure			Pa	35	35
Moisture Removal			L/h	1.2	1.9
Heat Insulation				Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Piping Connection		Liquid	mm	ϕ 6.4	ϕ 6.4
		Gas	mm	ϕ 9.5	ϕ12.7
		Drain	mm	VP20 (O.D.ϕ 26 / I.D.ϕ 20)	VP20 (O.D.ϕ 26 / I.D.ϕ 20)
Drawing No.				3D052111	3D052112

Note:

1. ★ See Page 25 “Combination Capacity”.
2. The operating sound is based on the rear side suction inlet and the external static pressure 35 Pa. Operating sound for under side suction inlet : [operating sound for rear side suction inlet] +6 dB. However, when installation to which the external static pressure becomes low is carried out, 6 dB or more may go up.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Floor / Ceiling Suspended Dual Type

50Hz 220-230-240V / 60Hz 220-230V

Model				FLK25AVMA	FLK35AVMA
Rated Capacity ★				2.5kW Class	3.5kW Class
Front Panel Color				Almond White	Almond White
Air Flow Rates		m³/min (cfm)	H	7.6 (268)	8.7 (307)
			M	6.8 (240)	7.7 (272)
			L	6.0 (212)	6.6 (233)
			SL	5.2 (184)	5.6 (198)
Fan	Type			Sirocco Fan	Sirocco Fan
	Motor Output		W	34	34
	Speed		Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Air Direction Control				Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter				Removable-Washable-Mildew Proof	Removable-Washable-Mildew Proof
Running Current (Rated)			A	0.32-0.32-0.32/0.34-0.34	0.36-0.36-0.36/0.39-0.39
Power Consumption (Rated)			W	68-70-72/72-74	76-78-80/80-84
Power Factor			%	96.6-95.1-93.8/96.3-94.6	96.0-94.2-92.6/93.2-93.6
Temperature Control				Microcomputer Control	Microcomputer Control
Dimensions (H×W×D)			mm	490×1,050×200	490×1,050×200
Packaged Dimensions (H×W×D)			mm	280×1,100×566	280×1,100×566
Weight			kg	16	16
Gross Weight			kg	22	22
Operation Sound	H/M/L/SL		dBA	37/34/31/28	38/35/32/29
Heat Insulation				Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Piping Connection		Liquid	mm	ϕ 6.4	ϕ 6.4
		Gas	mm	ϕ 9.5	ϕ12.7
		Drain	mm	ϕ18.0	ϕ18.0
Drawing No.				3D036717	3D036718

Model				FLK50AVMA8	FLK60AVMA8
Rated Capacity ★				5.0W Class	5.7kW Class
Front Panel Color				Almond White	Almond White
Air Flow Rates		m³/min (cfm)	H	11.4 (402)	12.0 (424)
			M	10.0 (353)	10.6 (374)
			L	8.5 (300)	9.3 (328)
			SL	7.5 (265)	8.3 (293)
Fan	Type			Sirocco Fan	Sirocco Fan
	Motor Output		W	34	34
	Speed		Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Air Direction Control				Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter				Removable-Washable-Mildew Proof	Removable-Washable-Mildew Proof
Running Current (Rated)			A	0.45-0.45-0.45/0.48-0.48	0.47-0.47-0.47/0.51-0.51
Power Consumption (Rated)			W	94-96-98/98-100	96-98-100/100-104
Power Factor			%	94.9-92.8-90.7/92.8-90.6	92.8-90.7-88.7/89.1-88.7
Temperature Control				Microcomputer Control	Microcomputer Control
Dimensions (H×W×D)			mm	490×1,050×200	490×1,050×200
Packaged Dimensions (H×W×D)			mm	280×1,100×566	280×1,100×566
Weight			kg	17	17
Gross Weight			kg	24	24
Operation Sound	H/M/L/SL		dBA	47/43/39/36	48/45/41/38
Heat Insulation				Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Piping Connection		Liquid	mm	ϕ 6.4	ϕ 6.4
		Gas	mm	ϕ12.7	ϕ15.9
		Drain	mm	ϕ18.0	ϕ18.0
Drawing No.				3D047578	3D047579

★ See Page 25 “Combination Capacity”.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

3.2 Outdoor Units

50Hz 220-230-240V / 60Hz 220-230V

Model				2MKD58DVM	3MKD58DVM
Cooling Capacity ★			kW	—	—
Power Consumption ★			W	—	—
Running Current ★			A	—	—
Casing Color				Ivory White	Ivory White
Compressor	Type			Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
	Model			2YC32WXD	2YC32WXD
	Motor Output		W	980	980
Refrigerant Oil	Model			SUNISO 4GSD.I.	SUNISO 4GSD.I.
	Charge		L	0.65	0.65
Refrigerant	Type			R22	R22
	Charge		kg	2.0	2.0
Air Flow Rates		m³/min	H	44	44
			L	37	37
		cfm	H	1,270	1,270
			L	1,068	1,068
Fan	Type			Propeller	Propeller
	Motor Output		W	53	53
	Running Current		A	H: 0.24 / L: 0.17	H: 0.24 / L: 0.17
	Power Consumption		W	H: 44 / L: 27	H: 44 / L: 27
Starting Current			A	6.9	6.5
Dimensions (H×W×D)			mm	735×936×300	735×936×300
Packaged Dimensions (H×W×D)			mm	784×960×357	784×960×357
Weight			kg	55	55
Gross Weight			kg	59	59
Operation Sound			dBA	46	46
Piping Connection		Liquid	mm	ϕ 6.4×2	ϕ 6.4×3
		Gas	mm	ϕ12.7×2	ϕ12.7×3
		Drain	mm	ϕ16.0	ϕ16.0
Heat Insulation				Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
No. of Wiring Connection				3 for Power Supply, 4 for Interunit Wiring	3 for Power Supply, 4 for Interunit Wiring
Max. Interunit Piping Length			m	35 (for Total of Each Room)	45 (for Total of Each Room)
			m	25 (for One Room)	25 (for One Room)
Amount of Additional Charge			g/m	Chargeless	Chargeless
Max. Installation Height Difference			m	15 (between Indoor Unit and Outdoor Unit)	15 (between Indoor Unit and Outdoor Unit)
			m	15 (between Indoor Units)	15 (between Indoor Units)
Drawing No.				3D050081#1A	3D050082#1A

Note:
1. ★ See Page 25 “Combination Capacity”.
2. The data are based on the conditions shown in the table below.

Cooling	Piping Length
Indoor ; 27°CDB/19°CWB Outdoor ; 35°CDB	7.5m

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

50Hz 220-230-240V / 60Hz 220-230V

Model				3MKD75DVM	4MKD75DVM
Cooling Capacity ★			kW	—	—
Power Consumption ★			W	—	—
Running Current ★			A	—	—
Casing Color				Ivory White	Ivory White
Compressor	Type			Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
	Model			2YC45ZXD	2YC45ZXD
	Motor Output		W	1,380	1,380
Refrigerant Oil	Model			SUNISO 4GSD.I.	SUNISO 4GSD.I.
	Charge		L	0.75	0.75
Refrigerant	Type			R22	R22
	Charge		kg	2.3	2.3
Air Flow Rates		m^3/min	H	51	51
			L	45	45
		cfm	H	1,472	1,472
			L	1,299	1,299
Fan	Type			Propeller	Propeller
	Motor Output		W	53	53
	Running Current		A	H: 0.33 / L: 0.25	H: 0.33 / L: 0.25
	Power Consumption		W	H: 68 / L: 46	H: 68 / L: 46
Starting Current			A	9.4	9.2
Dimensions (H×W×D)			mm	735×936×300	735×936×300
Packaged Dimensions (H×W×D)			mm	784×960×357	784×960×357
Weight			kg	58	58
Gross Weight			kg	62	62
Operation Sound			dBA	48	48
Piping Connection		Liquid	mm	ϕ 6.4×1, ϕ 9.5×2	ϕ 6.4×2, ϕ 9.5×2
		Gas	mm	ϕ12.7×1, ϕ15.9×2	ϕ12.7×2, ϕ15.9×2
		Drain	mm	ϕ16.0	ϕ16.0
Heat Insulation				Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
No. of Wiring Connection				3 for Power Supply, 4 for Interunit Wiring	3 for Power Supply, 4 for Interunit Wiring
Max. Interunit Piping Length			m	60 (for Total of Each Room)	60 (for Total of Each Room)
			m	25 (for One Room)	25 (for One Room)
Amount of Additional Charge			g/m	Chargeless	Chargeless
Max. Installation Height Difference			m	15 (between Indoor Unit and Outdoor Unit)	15 (between Indoor Unit and Outdoor Unit)
			m	15 (between Indoor Units)	15 (between Indoor Units)
Drawing No.				3D050083#1A	3D050084#1B

Note:

1. ★ See Page 25 “Combination Capacity”.
2. The data are based on the conditions shown in the table below.

Cooling	Piping Length
Indoor ; 27°CDB/19°CWB Outdoor ; 35°CDB	7.5m

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

50Hz 220-230-240V / 60Hz 220-230V

Model				4MKD100DVM
Cooling Capacity ★			kW	—
Power Consumption ★			W	—
Running Current ★			A	—
Casing Color				Ivory White
Compressor	Type			Hermetically Sealed Swing Type
	Model			2YC63YXD#D
	Motor Output		W	1,920
Refrigerant Oil	Model			SE56P
	Charge		L	0.75
Refrigerant	Type			R22
	Charge		kg	3.0
Air Flow Rates		m³/min	H	62.7
			L	60.8
		cfm	H	2,214
			L	2,147
Fan	Type			Propeller
	Motor Output		W	70
	Running Current		A	H: 0.67 / L: 0.65
	Power Consumption		W	H: 107 / L: 99
Starting Current			A	15.9
Dimensions (H×W×D)			mm	770×900×320
Packaged Dimensions (H×W×D)			mm	900×925×390
Weight			kg	68
Gross Weight			kg	75
Operation Sound			dBA	54
Piping Connection		Liquid	mm	ϕ 6.4×2, ϕ 9.5×2
		Gas	mm	ϕ12.7×2, ϕ15.9×2
		Drain	mm	ϕ25.0
Heat Insulation				Both Liquid and Gas Pipes
No. of Wiring Connection				3 for Power Supply, 4 for Interunit Wiring
Max. Piping Length			m	70 (for Total of Each Room)
			m	25 (for One Room)
Amount of Additional Charge			g/m	Chargeless
Max. Installation Height Difference			m	15 (between Indoor Unit and Outdoor Unit)
			m	7.5 (between Indoor Units)
Drawing No.				3D050028#1

Note:

1. ★ See Page 25 “Combination Capacity”.
2. The data are based on the conditions shown in the table below.

Cooling	Piping Length
Indoor ; 27°CDB/19°CWB Outdoor ; 35°CDB	7.5m

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

3.3 Combination Capacity

3.3.1 2MKD58DVM

Cooling [50/60Hz 220V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.52~3.34	810	450~1090	4.1	2.2~5.4	90
3.5	3.50	—	—	—	3.50	1.61~4.14	1240	470~1570	5.9	2.3~7.6	96
5.0	5.00	—	—	—	5.00	1.68~5.70	1710	540~2140	7.9	2.5~9.9	98
2.5+2.5	2.50	2.50	—	—	5.00	1.68~6.30	1620	480~2290	7.4	2.2~10.6	99
2.5+3.5	2.42	3.38	—	—	5.80	1.81~6.61	2050	500~2390	9.4	2.3~11.1	99
2.5+5.0	1.93	3.87	—	—	5.80	2.00~6.71	1840	570~2340	8.5	2.6~10.8	98
3.5+3.5	2.90	2.90	—	—	5.80	1.93~6.69	2010	540~2390	9.3	2.5~11.1	98
3.5+5.0	2.39	3.41	—	—	5.80	2.15~6.79	1810	620~2350	8.3	2.9~10.9	99
5.0+5.0	2.90	2.90	—	—	5.80	2.37~6.90	1620	620~2120	7.5	2.9~9.8	98

Cooling [50/60Hz 230V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.52~3.34	810	450~1090	3.9	2.2~5.2	90
3.5	3.50	—	—	—	3.50	1.61~4.14	1240	470~1570	5.7	2.2~7.3	95
5.0	5.00	—	—	—	5.00	1.68~5.70	1710	540~2140	7.5	2.4~9.4	99
2.5+2.5	2.50	2.50	—	—	5.00	1.68~6.30	1620	480~2290	7.1	2.1~10.1	99
2.5+3.5	2.42	3.38	—	—	5.80	1.81~6.61	2050	500~2390	9.0	2.2~10.6	99
2.5+5.0	1.93	3.87	—	—	5.80	2.00~6.71	1840	570~2340	8.2	2.5~10.3	98
3.5+3.5	2.90	2.90	—	—	5.80	1.93~6.69	2010	540~2390	8.9	2.4~10.6	98
3.5+5.0	2.39	3.41	—	—	5.80	2.15~6.79	1810	620~2350	8.0	2.8~10.4	98
5.0+5.0	2.90	2.90	—	—	5.80	2.37~6.90	1620	620~2120	7.2	2.8~9.3	98

Cooling [50Hz 240V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.52~3.34	810	450~1090	3.8	2.1~5.0	89
3.5	3.50	—	—	—	3.50	1.61~4.14	1240	470~1570	5.4	2.2~7.0	96
5.0	5.00	—	—	—	5.00	1.68~5.70	1710	540~2140	7.2	2.3~9.1	99
2.5+2.5	2.50	2.50	—	—	5.00	1.68~6.30	1620	480~2290	6.8	2.1~9.7	99
2.5+3.5	2.42	3.38	—	—	5.80	1.81~6.61	2050	500~2390	8.6	2.2~10.2	99
2.5+5.0	1.93	3.87	—	—	5.80	2.00~6.71	1840	570~2340	7.8	2.4~9.9	98
3.5+3.5	2.90	2.90	—	—	5.80	1.93~6.69	2010	540~2390	8.6	2.3~10.2	97
3.5+5.0	2.39	3.41	—	—	5.80	2.15~6.79	1810	620~2350	7.6	2.7~10.0	99
5.0+5.0	2.90	2.90	—	—	5.80	2.37~6.90	1620	620~2120	6.9	2.7~9.0	98

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor tempereture), 35°CDB (Outdoor tempereture).
2. The total ability of connected indoor units is up to 10.0kW.

3D050081#2
3D050081#3
3D050081#4

3.3.2 3MKD58DVM

Cooling [50/60Hz 220V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.52~3.34	810	450~1090	4.1	2.2~5.4	90
3.5	3.50	—	—	—	3.50	1.61~4.14	1240	470~1570	5.9	2.3~7.6	96
5.0	5.00	—	—	—	5.00	1.68~5.70	1710	540~2140	7.9	2.5~9.9	98
2.5+2.5	2.50	2.50	—	—	5.00	1.68~6.30	1600	480~2290	7.4	2.2~10.6	98
2.5+3.5	2.42	3.38	—	—	5.80	1.81~6.61	2050	500~2390	9.4	2.3~11.1	99
2.5+5.0	1.93	3.87	—	—	5.80	2.00~6.71	1840	570~2340	8.5	2.6~10.8	98
3.5+3.5	2.90	2.90	—	—	5.80	1.93~6.69	2010	540~2390	9.3	2.5~11.1	98
3.5+5.0	2.39	3.41	—	—	5.80	2.15~6.79	1810	620~2350	8.3	2.9~10.9	99
5.0+5.0	2.90	2.90	—	—	5.80	2.37~6.90	1620	620~2120	7.5	2.9~9.8	98
2.5+2.5+2.5	1.93	1.93	1.93	—	5.79	2.00~6.75	1700	530~2170	7.8	2.4~10.0	99
2.5+2.5+3.5	1.71	1.71	2.38	—	5.80	2.15~6.80	1690	580~2170	7.8	2.7~10.1	98
2.5+2.5+5.0	1.45	1.45	2.90	—	5.80	2.37~6.90	1530	590~1960	7.1	2.7~9.0	98
2.5+3.5+3.5	1.52	2.14	2.14	—	5.80	2.30~6.86	1670	620~2190	7.7	2.9~10.1	99

Cooling [50/60Hz 230V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.52~3.34	810	450~1090	3.9	2.2~5.2	90
3.5	3.50	—	—	—	3.50	1.61~4.14	1240	470~1570	5.7	2.2~7.3	95
5.0	5.00	—	—	—	5.00	1.68~5.70	1710	540~2140	7.5	2.4~9.4	99
2.5+2.5	2.50	2.50	—	—	5.00	1.68~6.30	1600	480~2290	7.1	2.1~10.1	98
2.5+3.5	2.42	3.38	—	—	5.80	1.81~6.61	2050	500~2390	9.0	2.2~10.6	99
2.5+5.0	1.93	3.87	—	—	5.80	2.00~6.71	1840	570~2340	8.2	2.5~10.3	98
3.5+3.5	2.90	2.90	—	—	5.80	1.93~6.69	2010	540~2390	8.9	2.4~10.6	98
3.5+5.0	2.39	3.41	—	—	5.80	2.15~6.79	1810	620~2350	8.0	2.8~10.4	98
5.0+5.0	2.90	2.90	—	—	5.80	2.37~6.90	1620	620~2120	7.2	2.8~9.3	98
2.5+2.5+2.5	1.93	1.93	1.93	—	5.79	2.00~6.75	1700	530~2170	7.5	2.3~9.5	99
2.5+2.5+3.5	1.71	1.71	2.38	—	5.80	2.15~6.80	1690	580~2170	7.4	2.6~9.6	99
2.5+2.5+5.0	1.45	1.45	2.90	—	5.80	2.37~6.90	1530	590~1960	6.8	2.6~8.6	98
2.5+3.5+3.5	1.52	2.14	2.14	—	5.80	2.30~6.86	1670	620~2190	7.3	2.8~9.6	99

Cooling [50Hz 240V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.52~3.34	810	450~1090	3.8	2.1~5.0	89
3.5	3.50	—	—	—	3.50	1.61~4.14	1240	470~1570	5.4	2.2~7.0	96
5.0	5.00	—	—	—	5.00	1.68~5.70	1710	540~2140	7.2	2.3~9.1	99
2.5+2.5	2.50	2.50	—	—	5.00	1.68~6.30	1600	480~2290	6.8	2.1~9.7	98
2.5+3.5	2.42	3.38	—	—	5.80	1.81~6.61	2050	500~2390	8.6	2.2~10.2	99
2.5+5.0	1.93	3.87	—	—	5.80	2.00~6.71	1840	570~2340	7.8	2.4~9.9	98
3.5+3.5	2.90	2.90	—	—	5.80	1.93~6.69	2010	540~2390	8.6	2.3~10.2	97
3.5+5.0	2.39	3.41	—	—	5.80	2.15~6.79	1810	620~2350	7.6	2.7~10.0	99
5.0+5.0	2.90	2.90	—	—	5.80	2.37~6.90	1620	620~2120	6.9	2.7~9.0	98
2.5+2.5+2.5	1.93	1.93	1.93	—	5.79	2.00~6.75	1700	530~2170	7.2	2.2~9.1	99
2.5+2.5+3.5	1.71	1.71	2.38	—	5.80	2.15~6.80	1690	580~2170	7.1	2.5~9.2	99
2.5+2.5+5.0	1.45	1.45	2.90	—	5.80	2.37~6.90	1530	590~1960	6.5	2.5~8.3	98
2.5+3.5+3.5	1.52	2.14	2.14	—	5.80	2.30~6.86	1670	620~2190	7.0	2.7~9.2	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor tempereture), 35°CDB (Outdoor tempereture).
2. The total ability of connected indoor units is up to 10.0kW.

3D050082#2
3D050082#3
3D050082#4

3.3.3 3MKD75DVM

Cooling [50/60Hz 220V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.60~3.35	780	470~1100	3.9	2.4~5.5	91
3.5	3.50	—	—	—	3.50	1.69~4.15	1260	490~1530	6.0	2.4~7.4	95
5.0	5.00	—	—	—	5.00	1.77~5.80	1680	570~2040	7.8	2.6~9.4	98
6.0	—	6.00	—	—	6.00	1.90~6.45	2280	590~2560	10.5	2.7~11.8	99
7.1	—	7.10	—	—	7.10	2.05~7.19	2910	620~3000	13.4	2.9~13.8	99
2.5+2.5	2.50	2.50	—	—	5.00	1.77~6.30	1590	500~2370	7.4	2.4~10.9	98
2.5+3.5	2.50	3.50	—	—	6.00	1.90~6.70	2180	520~2620	10.1	2.4~12.0	98
2.5+5.0	2.37	4.73	—	—	7.10	2.11~7.28	2550	600~2710	11.8	2.8~12.5	98
2.5+6.0	2.12	5.08	—	—	7.20	2.26~7.62	2570	640~2960	11.8	3.0~13.6	99
2.5+7.1	1.95	5.55	—	—	7.50	2.43~7.98	2740	680~3150	12.6	3.1~14.5	99
3.5+3.5	3.50	3.50	—	—	7.00	2.03~7.20	2760	570~2950	12.7	2.6~13.6	99
3.5+5.0	2.96	4.24	—	—	7.20	2.26~7.70	2570	650~3020	11.8	3.0~13.9	99
3.5+6.0	2.76	4.74	—	—	7.50	2.42~7.93	2760	680~3060	12.7	3.1~14.1	99
3.5+7.1	2.48	5.02	—	—	7.50	2.59~8.23	2730	740~3260	12.6	3.5~15.0	98
5.0+5.0	3.75	3.75	—	—	7.50	2.49~8.08	2590	650~3090	11.9	3.0~14.3	99
5.0+6.0	3.41	4.09	—	—	7.50	2.66~8.31	2560	680~3150	11.8	3.1~14.5	99
5.0+7.1	3.10	4.40	—	—	7.50	2.87~8.49	2540	750~3430	11.7	3.5~15.8	99
6.0+6.0	—	3.75	3.75	—	7.50	2.85~8.47	2550	750~3380	11.8	3.5~15.6	98
6.0+7.1	—	3.44	4.06	—	7.50	3.06~8.57	2520	800~3490	11.6	3.7~16.1	99
2.5+2.5+2.5	2.30	2.30	2.30	—	6.90	2.11~7.61	2230	570~2670	10.2	2.6~12.3	99
2.5+2.5+3.5	2.12	2.12	2.96	—	7.20	2.26~7.77	2390	610~2810	11.0	2.8~13.0	99
2.5+2.5+5.0	1.88	1.88	3.74	—	7.50	2.49~8.18	2440	620~2870	11.3	2.9~13.2	98
2.5+2.5+6.0	1.70	1.70	4.10	—	7.50	2.66~8.32	2410	660~2950	11.1	3.0~13.6	99
2.5+2.5+7.1	1.55	1.55	4.40	—	7.50	2.87~8.52	2400	720~3110	11.1	3.4~14.4	98
2.5+3.5+3.5	1.98	2.76	2.76	—	7.50	2.42~7.99	2490	650~2980	11.5	3.0~13.7	98
2.5+3.5+5.0	1.70	2.39	3.41	—	7.50	2.66~8.32	2410	660~2990	11.1	3.0~13.7	99
2.5+3.5+6.0	1.56	2.19	3.75	—	7.50	2.85~8.50	2400	700~3050	11.1	3.2~14.1	98
2.5+3.5+7.1	1.43	2.00	4.07	—	7.50	3.06~8.70	2360	760~3260	10.9	3.6~15.0	98
2.5+5.0+5.0	1.50	3.00	3.00	—	7.50	2.94~8.60	2380	670~2970	11.0	3.1~13.7	98
2.5+5.0+6.0	1.39	2.78	3.33	—	7.50	3.14~8.75	2310	730~3080	10.7	3.4~14.2	98
3.5+3.5+3.5	2.50	2.50	2.50	—	7.50	2.58~8.25	2510	700~3110	11.6	3.2~14.4	98
3.5+3.5+5.0	2.19	2.19	3.12	—	7.50	2.85~8.51	2400	730~3140	11.1	3.4~14.5	98
3.5+3.5+6.0	2.02	2.02	3.46	—	7.50	3.04~8.65	2370	760~3260	10.9	3.6~15.0	99
3.5+5.0+5.0	1.94	2.78	2.78	—	7.50	3.14~8.75	2270	730~3030	10.5	3.4~14.0	98

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor tempereture), 35°CDB (Outdoor tempereture).
2. The total ability of connected indoor units is up to 13.5kW.

3D050083#2

Cooling [50/60Hz 230V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.60~3.35	780	470~1100	3.7	2.3~5.3	92
3.5	3.50	—	—	—	3.50	1.69~4.15	1260	490~1530	5.8	2.3~7.1	94
5.0	5.00	—	—	—	5.00	1.77~5.80	1680	570~2040	7.5	2.5~9.0	97
6.0	—	6.00	—	—	6.00	1.90~6.45	2280	590~2560	10.1	2.6~11.3	98
7.1	—	7.10	—	—	7.10	2.05~7.19	2910	620~3000	12.8	2.8~13.2	99
2.5+2.5	2.50	2.50	—	—	5.00	1.77~6.30	1590	500~2370	7.0	2.3~10.4	99
2.5+3.5	2.50	3.50	—	—	6.00	1.90~6.70	2180	520~2620	9.6	2.3~11.5	99
2.5+5.0	2.37	4.73	—	—	7.10	2.11~7.28	2550	600~2710	11.2	2.7~11.9	99
2.5+6.0	2.12	5.08	—	—	7.20	2.26~7.62	2570	640~2960	11.3	2.9~13.0	99
2.5+7.1	1.95	5.55	—	—	7.50	2.43~7.98	2740	680~3150	12.1	3.0~13.8	98
3.5+3.5	3.50	3.50	—	—	7.00	2.03~7.20	2760	570~2950	12.2	2.5~13.0	98
3.5+5.0	2.96	4.24	—	—	7.20	2.26~7.70	2570	650~3020	11.3	2.9~13.3	99
3.5+6.0	2.76	4.74	—	—	7.50	2.42~7.93	2760	680~3060	12.2	3.0~13.5	98
3.5+7.1	2.48	5.02	—	—	7.50	2.59~8.23	2730	740~3260	12.0	3.3~14.4	99
5.0+5.0	3.75	3.75	—	—	7.50	2.49~8.08	2590	650~3090	11.4	2.9~13.7	99
5.0+6.0	3.41	4.09	—	—	7.50	2.66~8.31	2560	680~3150	11.3	3.0~13.8	98
5.0+7.1	3.10	4.40	—	—	7.50	2.87~8.49	2540	750~3430	11.2	3.3~15.1	99
6.0+6.0	—	3.75	3.75	—	7.50	2.85~8.47	2550	750~3380	11.2	3.3~14.9	99
6.0+7.1	—	3.44	4.06	—	7.50	3.06~8.57	2520	800~3490	11.1	3.5~15.4	99
2.5+2.5+2.5	2.30	2.30	2.30	—	6.90	2.11~7.61	2230	570~2670	9.8	2.5~11.8	99
2.5+2.5+3.5	2.12	2.12	2.96	—	7.20	2.26~7.77	2390	610~2810	10.5	2.7~12.4	99
2.5+2.5+5.0	1.88	1.88	3.74	—	7.50	2.49~8.18	2440	620~2870	10.8	2.8~12.7	98
2.5+2.5+6.0	1.70	1.70	4.10	—	7.50	2.66~8.32	2410	660~2950	10.6	2.9~13.0	99
2.5+2.5+7.1	1.55	1.55	4.40	—	7.50	2.87~8.52	2400	720~3110	10.6	3.2~13.8	98
2.5+3.5+3.5	1.98	2.76	2.76	—	7.50	2.42~7.99	2490	650~2980	11.0	2.9~13.1	98
2.5+3.5+5.0	1.70	2.39	3.41	—	7.50	2.66~8.32	2410	660~2990	10.6	2.9~13.1	99
2.5+3.5+6.0	1.56	2.19	3.75	—	7.50	2.85~8.50	2400	700~3050	10.6	3.1~13.5	98
2.5+3.5+7.1	1.43	2.00	4.07	—	7.50	3.06~8.70	2360	760~3260	10.4	3.4~14.4	99
2.5+5.0+5.0	1.50	3.00	3.00	—	7.50	2.94~8.60	2380	670~2970	10.5	3.0~13.1	99
2.5+5.0+6.0	1.39	2.78	3.33	—	7.50	3.14~8.75	2310	730~3080	10.2	3.2~13.6	98
3.5+3.5+3.5	2.50	2.50	2.50	—	7.50	2.58~8.25	2510	700~3110	11.1	3.1~13.8	98
3.5+3.5+5.0	2.19	2.19	3.12	—	7.50	2.85~8.51	2400	730~3140	10.6	3.2~13.8	98
3.5+3.5+6.0	2.02	2.02	3.46	—	7.50	3.04~8.65	2370	760~3260	10.5	3.4~14.4	98
3.5+5.0+5.0	1.94	2.78	2.78	—	7.50	3.14~8.75	2270	730~3030	10.0	3.2~13.4	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor tempereture), 35°CDB (Outdoor tempereture).
2. The total ability of connected indoor units is up to 13.5kW.

3D050083#3

Cooling [50Hz 240V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.60~3.35	780	470~1100	3.6	2.2~5.0	90
3.5	3.50	—	—	—	3.50	1.69~4.15	1260	490~1530	5.5	2.2~6.8	95
5.0	5.00	—	—	—	5.00	1.77~5.80	1680	570~2040	7.2	2.4~8.6	97
6.0	—	6.00	—	—	6.00	1.90~6.45	2280	590~2560	9.6	2.5~10.9	99
7.1	—	7.10	—	—	7.10	2.05~7.19	2910	620~3000	12.3	2.7~12.7	99
2.5+2.5	2.50	2.50	—	—	5.00	1.77~6.30	1590	500~2370	6.7	2.2~10.0	99
2.5+3.5	2.50	3.50	—	—	6.00	1.90~6.70	2180	520~2620	9.2	2.2~11.0	99
2.5+5.0	2.37	4.73	—	—	7.10	2.11~7.28	2550	600~2710	10.8	2.6~11.4	98
2.5+6.0	2.12	5.08	—	—	7.20	2.26~7.62	2570	640~2960	10.9	2.8~12.5	98
2.5+7.1	1.95	5.55	—	—	7.50	2.43~7.98	2740	680~3150	11.6	2.9~13.3	98
3.5+3.5	3.50	3.50	—	—	7.00	2.03~7.20	2760	570~2950	11.7	2.4~12.5	98
3.5+5.0	2.96	4.24	—	—	7.20	2.26~7.70	2570	650~3020	10.9	2.8~12.7	98
3.5+6.0	2.76	4.74	—	—	7.50	2.42~7.93	2760	680~3060	11.7	2.9~12.9	98
3.5+7.1	2.48	5.02	—	—	7.50	2.59~8.23	2730	740~3260	11.5	3.2~13.8	99
5.0+5.0	3.75	3.75	—	—	7.50	2.49~8.08	2590	650~3090	11.0	2.8~13.1	98
5.0+6.0	3.41	4.09	—	—	7.50	2.66~8.31	2560	680~3150	10.8	2.9~13.3	99
5.0+7.1	3.10	4.40	—	—	7.50	2.87~8.49	2540	750~3430	10.7	3.2~14.5	99
6.0+6.0	—	3.75	3.75	—	7.50	2.85~8.47	2550	750~3380	10.8	3.2~14.3	98
6.0+7.1	—	3.44	4.06	—	7.50	3.06~8.57	2520	800~3490	10.7	3.4~14.7	98
2.5+2.5+2.5	2.30	2.30	2.30	—	6.90	2.11~7.61	2230	570~2670	9.4	2.4~11.3	99
2.5+2.5+3.5	2.12	2.12	2.96	—	7.20	2.26~7.77	2390	610~2810	10.1	2.6~11.9	99
2.5+2.5+5.0	1.88	1.88	3.74	—	7.50	2.49~8.18	2440	620~2870	10.3	2.7~12.1	99
2.5+2.5+6.0	1.70	1.70	4.10	—	7.50	2.66~8.32	2410	660~2950	10.2	2.8~12.5	98
2.5+2.5+7.1	1.55	1.55	4.40	—	7.50	2.87~8.52	2400	720~3110	10.2	3.1~13.2	98
2.5+3.5+3.5	1.98	2.76	2.76	—	7.50	2.42~7.99	2490	650~2980	10.5	2.8~12.6	99
2.5+3.5+5.0	1.70	2.39	3.41	—	7.50	2.66~8.32	2410	660~2990	10.2	2.8~12.6	98
2.5+3.5+6.0	1.56	2.19	3.75	—	7.50	2.85~8.50	2400	700~3050	10.2	3.0~12.9	98
2.5+3.5+7.1	1.43	2.00	4.07	—	7.50	3.06~8.70	2360	760~3260	10.0	3.3~13.8	98
2.5+5.0+5.0	1.50	3.00	3.00	—	7.50	2.94~8.60	2380	670~2970	10.1	2.9~12.6	98
2.5+5.0+6.0	1.39	2.78	3.33	—	7.50	3.14~8.75	2310	730~3080	9.8	3.1~13.0	98
3.5+3.5+3.5	2.50	2.50	2.50	—	7.50	2.58~8.25	2510	700~3110	10.6	3.0~13.2	99
3.5+3.5+5.0	2.19	2.19	3.12	—	7.50	2.85~8.51	2400	730~3140	10.2	3.1~13.3	98
3.5+3.5+6.0	2.02	2.02	3.46	—	7.50	3.04~8.65	2370	760~3260	10.0	3.3~13.8	99
3.5+5.0+5.0	1.94	2.78	2.78	—	7.50	3.14~8.75	2270	730~3030	9.6	3.1~12.8	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor tempereture), 35°CDB (Outdoor tempereture).
2. The total ability of connected indoor units is up to 13.5kW.

3D050083#4

3.3.4 4MKD75DVM

Cooling [50/60Hz 220V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.60~3.35	780	470~1100	3.9	2.4~5.5	91
3.5	3.50	—	—	—	3.50	1.69~4.15	1260	490~1530	6.0	2.4~7.4	95
5.0	5.00	—	—	—	5.00	1.77~5.80	1680	570~2040	7.8	2.6~9.4	98
6.0	—	—	6.00	—	6.00	1.90~6.45	2280	590~2560	10.5	2.7~11.8	99
7.1	—	—	7.10	—	7.10	2.05~7.19	2910	620~3000	13.4	2.9~13.8	99
2.5+2.5	2.50	2.50	—	—	5.00	1.77~6.30	1590	500~2370	7.4	2.4~10.9	98
2.5+3.5	2.50	3.50	—	—	6.00	1.90~6.70	2180	520~2620	10.1	2.4~12.0	98
2.5+5.0	2.37	4.73	—	—	7.10	2.11~7.28	2550	600~2710	11.8	2.8~12.5	98
2.5+6.0	2.12	—	5.08	—	7.20	2.26~7.62	2570	640~2960	11.8	3.0~13.6	99
2.5+7.1	1.95	—	5.55	—	7.50	2.43~7.98	2740	680~3150	12.6	3.1~14.5	99
3.5+3.5	3.50	3.50	—	—	7.00	2.03~7.20	2760	570~2950	12.7	2.6~13.6	99
3.5+5.0	2.96	4.24	—	—	7.20	2.26~7.70	2570	650~3020	11.8	3.0~13.9	99
3.5+6.0	2.76	—	4.74	—	7.50	2.42~7.93	2760	680~3060	12.7	3.1~14.1	99
3.5+7.1	2.48	—	5.02	—	7.50	2.59~8.23	2730	740~3260	12.6	3.5~15.0	98
5.0+5.0	3.75	3.75	—	—	7.50	2.49~8.08	2590	650~3090	11.9	3.0~14.3	99
5.0+6.0	3.41	—	4.09	—	7.50	2.66~8.31	2560	680~3150	11.8	3.1~14.5	99
5.0+7.1	3.10	—	4.40	—	7.50	2.87~8.49	2540	750~3430	11.7	3.5~15.8	99
6.0+6.0	—	—	3.75	3.75	7.50	2.85~8.47	2550	750~3380	11.8	3.5~15.6	98
6.0+7.1	—	—	3.44	4.06	7.50	3.06~8.57	2520	800~3490	11.6	3.7~16.1	99
2.5+2.5+2.5	2.30	2.30	2.30	—	6.90	2.11~7.61	2210	570~2670	10.3	2.6~12.3	98
2.5+2.5+3.5	2.12	2.12	2.96	—	7.20	2.26~7.77	2390	610~2810	11.0	2.8~13.0	99
2.5+2.5+5.0	1.88	1.88	3.74	—	7.50	2.49~8.18	2440	620~2870	11.3	2.9~13.2	98
2.5+2.5+6.0	1.70	1.70	4.10	—	7.50	2.66~8.32	2410	660~2950	11.1	3.0~13.6	99
2.5+2.5+7.1	1.55	1.55	4.40	—	7.50	2.87~8.52	2400	720~3110	11.1	3.4~14.4	98
2.5+3.5+3.5	1.98	2.76	2.76	—	7.50	2.42~7.99	2490	650~2980	11.5	3.0~13.7	98
2.5+3.5+5.0	1.70	2.39	3.41	—	7.50	2.66~8.32	2410	660~2990	11.1	3.0~13.7	99
2.5+3.5+6.0	1.56	2.19	3.75	—	7.50	2.85~8.50	2400	700~3050	11.1	3.2~14.1	98
2.5+3.5+7.1	1.43	2.00	4.07	—	7.50	3.06~8.70	2360	760~3260	10.9	3.6~15.0	98
2.5+5.0+5.0	1.50	3.00	3.00	—	7.50	2.94~8.60	2380	670~2970	11.0	3.1~13.7	98
2.5+5.0+6.0	1.39	2.78	3.33	—	7.50	3.14~8.75	2310	730~3080	10.7	3.4~14.2	98
3.5+3.5+3.5	2.50	2.50	2.50	—	7.50	2.58~8.25	2510	700~3110	11.6	3.2~14.4	98
3.5+3.5+5.0	2.19	2.19	3.12	—	7.50	2.85~8.51	2400	730~3140	11.1	3.4~14.5	98
3.5+3.5+6.0	2.02	2.02	3.46	—	7.50	3.04~8.65	2370	760~3260	10.9	3.6~15.0	99
3.5+5.0+5.0	1.94	2.78	2.78	—	7.50	3.14~8.75	2270	730~3030	10.5	3.4~14.0	98
2.5+2.5+2.5+2.5	1.87	1.87	1.87	1.87	7.48	2.49~8.34	2290	590~2930	10.6	2.7~13.5	98
2.5+2.5+2.5+3.5	1.70	1.70	1.70	2.40	7.50	2.66~8.50	2270	630~3080	10.5	2.9~14.2	98
2.5+2.5+2.5+5.0	1.50	1.50	1.50	3.00	7.50	2.94~8.69	2240	650~3110	10.3	3.0~14.4	99
2.5+2.5+2.5+6.0	1.39	1.39	1.39	3.33	7.50	3.14~8.80	2220	690~3220	10.2	3.2~14.8	99
2.5+2.5+3.5+3.5	1.56	1.56	2.19	2.19	7.50	2.85~8.62	2250	670~3180	10.4	3.1~14.7	98
2.5+2.5+3.5+5.0	1.39	1.39	1.94	2.78	7.50	3.14~8.80	2230	690~3220	10.3	3.2~14.8	98
2.5+3.5+3.5+3.5	1.44	2.02	2.02	2.02	7.50	3.04~8.75	2240	730~3290	10.3	3.4~15.1	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor tempereture), 35°CDB (Outdoor tempereture).
2. The total ability of connected indoor units is up to 13.5kW.

3D050084#2

Cooling [50/60Hz 230V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.60~3.35	780	470~1100	3.7	2.3~5.3	92
3.5	3.50	—	—	—	3.50	1.69~4.15	1260	490~1530	5.8	2.3~7.1	94
5.0	5.00	—	—	—	5.00	1.77~5.80	1680	570~2040	7.5	2.5~9.0	97
6.0	—	—	6.00	—	6.00	1.90~6.45	2280	590~2560	10.1	2.6~11.3	98
7.1	—	—	7.10	—	7.10	2.05~7.19	2910	620~3000	12.8	2.8~13.2	99
2.5+2.5	2.50	2.50	—	—	5.00	1.77~6.30	1590	500~2370	7.0	2.3~10.4	99
2.5+3.5	2.50	3.50	—	—	6.00	1.90~6.70	2180	520~2620	9.6	2.3~11.5	99
2.5+5.0	2.37	4.73	—	—	7.10	2.11~7.28	2550	600~2710	11.2	2.7~11.9	99
2.5+6.0	2.12	—	5.08	—	7.20	2.26~7.62	2570	640~2960	11.3	2.9~13.0	99
2.5+7.1	1.95	—	5.55	—	7.50	2.43~7.98	2740	680~3150	12.1	3.0~13.8	98
3.5+3.5	3.50	3.50	—	—	7.00	2.03~7.20	2760	570~2950	12.2	2.5~13.0	98
3.5+5.0	2.96	4.24	—	—	7.20	2.26~7.70	2570	650~3020	11.3	2.9~13.3	99
3.5+6.0	2.76	—	4.74	—	7.50	2.42~7.93	2760	680~3060	12.2	3.0~13.5	98
3.5+7.1	2.48	—	5.02	—	7.50	2.59~8.23	2730	740~3260	12.0	3.3~14.4	99
5.0+5.0	3.75	3.75		—	7.50	2.49~8.08	2590	650~3090	11.4	2.9~13.7	99
5.0+6.0	3.41	—	4.09	—	7.50	2.66~8.31	2560	680~3150	11.3	3.0~13.8	98
5.0+7.1	3.10	—	4.40	—	7.50	2.87~8.49	2540	750~3430	11.2	3.3~15.1	99
6.0+6.0	—	—	3.75	3.75	7.50	2.85~8.47	2550	750~3380	11.2	3.3~14.9	99
6.0+7.1	—	—	3.44	4.06	7.50	3.06~8.57	2520	800~3490	11.1	3.5~15.4	99
2.5+2.5+2.5	2.30	2.30	2.30	—	6.90	2.11~7.61	2210	570~2670	9.9	2.5~11.8	97
2.5+2.5+3.5	2.12	2.12	2.96	—	7.20	2.26~7.77	2390	610~2810	10.5	2.7~12.4	99
2.5+2.5+5.0	1.88	1.88	3.74	—	7.50	2.49~8.18	2440	620~2870	10.8	2.8~12.7	98
2.5+2.5+6.0	1.70	1.70	4.10	—	7.50	2.66~8.32	2410	660~2950	10.6	2.9~13.0	99
2.5+2.5+7.1	1.55	1.55	4.40	—	7.50	2.87~8.52	2400	720~3110	10.6	3.2~13.8	98
2.5+3.5+3.5	1.98	2.76	2.76	—	7.50	2.42~7.99	2490	650~2980	11.0	2.9~13.1	98
2.5+3.5+5.0	1.70	2.39	3.41	—	7.50	2.66~8.32	2410	660~2990	10.6	2.9~13.1	99
2.5+3.5+6.0	1.56	2.19	3.75	—	7.50	2.85~8.50	2400	700~3050	10.6	3.1~13.5	98
2.5+3.5+7.1	1.43	2.00	4.07	—	7.50	3.06~8.70	2360	760~3260	10.4	3.4~14.4	99
2.5+5.0+5.0	1.50	3.00	3.00	—	7.50	2.94~8.60	2380	670~2970	10.5	3.0~13.1	99
2.5+5.0+6.0	1.39	2.78	3.33	—	7.50	3.14~8.75	2310	730~3080	10.2	3.2~13.6	98
3.5+3.5+3.5	2.50	2.50	2.50	—	7.50	2.58~8.25	2510	700~3110	11.1	3.1~13.8	98
3.5+3.5+5.0	2.19	2.19	3.12	—	7.50	2.85~8.51	2400	730~3140	10.6	3.2~13.8	98
3.5+3.5+6.0	2.02	2.02	3.46	—	7.50	3.04~8.65	2370	760~3260	10.5	3.4~14.4	98
3.5+5.0+5.0	1.94	2.78	2.78	—	7.50	3.14~8.75	2270	730~3030	10.0	3.2~13.4	99
2.5+2.5+2.5+2.5	1.87	1.87	1.87	1.87	7.48	2.49~8.34	2290	590~2930	10.1	2.6~12.9	99
2.5+2.5+2.5+3.5	1.70	1.70	1.70	2.40	7.50	2.66~8.50	2270	630~3080	10.0	2.8~13.6	99
2.5+2.5+2.5+5.0	1.50	1.50	1.50	3.00	7.50	2.94~8.69	2240	650~3110	9.9	2.9~13.8	98
2.5+2.5+2.5+6.0	1.39	1.39	1.39	3.33	7.50	3.14~8.80	2220	690~3220	9.7	3.1~14.2	99
2.5+2.5+3.5+3.5	1.56	1.56	2.19	2.19	7.50	2.85~8.62	2250	670~3180	9.9	3.0~14.0	99
2.5+2.5+3.5+5.0	1.39	1.39	1.94	2.78	7.50	3.14~8.80	2230	690~3220	9.8	3.1~14.2	99
2.5+3.5+3.5+3.5	1.44	2.02	2.02	2.02	7.50	3.04~8.75	2240	730~3290	9.9	3.2~14.5	98

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor tempereture), 35°CDB (Outdoor tempereture).
2. The total ability of connected indoor units is up to 13.5kW.

3D050084#3

Cooling [50Hz 240V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (W)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.60~3.35	780	470~1100	3.6	2.2~5.0	90
3.5	3.50	—	—	—	3.50	1.69~4.15	1260	490~1530	5.5	2.2~6.8	95
5.0	5.00	—	—	—	5.00	1.77~5.80	1680	570~2040	7.2	2.4~8.6	97
6.0	—	—	6.00	—	6.00	1.90~6.45	2280	590~2560	9.6	2.5~10.9	99
7.1	—	—	7.10	—	7.10	2.05~7.19	2910	620~3000	12.3	2.7~12.7	99
2.5+2.5	2.50	2.50	—	—	5.00	1.77~6.30	1590	500~2370	6.7	2.2~10.0	99
2.5+3.5	2.50	3.50	—	—	6.00	1.90~6.70	2180	520~2620	9.2	2.2~11.0	99
2.5+5.0	2.37	4.73	—	—	7.10	2.11~7.28	2550	600~2710	10.8	2.6~11.4	98
2.5+6.0	2.12	—	5.08	—	7.20	2.26~7.62	2570	640~2960	10.9	2.8~12.5	98
2.5+7.1	1.95	—	5.55	—	7.50	2.43~7.98	2740	680~3150	11.6	2.9~13.3	98
3.5+3.5	3.50	3.50	—	—	7.00	2.03~7.20	2760	570~2950	11.7	2.4~12.5	98
3.5+5.0	2.96	4.24	—	—	7.20	2.26~7.70	2570	650~3020	10.9	2.8~12.7	98
3.5+6.0	2.76	—	4.74	—	7.50	2.42~7.93	2760	680~3060	11.7	2.9~12.9	98
3.5+7.1	2.48	—	5.02	—	7.50	2.59~8.23	2730	740~3260	11.5	3.2~13.8	99
5.0+5.0	3.75	3.75	—	—	7.50	2.49~8.08	2590	650~3090	11.0	2.8~13.1	98
5.0+6.0	3.41	—	4.09	—	7.50	2.66~8.31	2560	680~3150	10.8	2.9~13.3	99
5.0+7.1	3.10	—	4.40	—	7.50	2.87~8.49	2540	750~3430	10.7	3.2~14.5	99
6.0+6.0	—	—	3.75	3.75	7.50	2.85~8.47	2550	750~3380	10.8	3.2~14.3	98
6.0+7.1	—	—	3.44	4.06	7.50	3.06~8.57	2520	800~3490	10.7	3.4~14.7	98
2.5+2.5+2.5	2.30	2.30	2.30	—	6.90	2.11~7.61	2210	570~2670	9.4	2.4~11.3	98
2.5+2.5+3.5	2.12	2.12	2.96	—	7.20	2.26~7.77	2390	610~2810	10.1	2.6~11.9	99
2.5+2.5+5.0	1.88	1.88	3.74	—	7.50	2.49~8.18	2440	620~2870	10.3	2.7~12.1	99
2.5+2.5+6.0	1.70	1.70	4.10	—	7.50	2.66~8.32	2410	660~2950	10.2	2.8~12.5	98
2.5+2.5+7.1	1.55	1.55	4.40	—	7.50	2.87~8.52	2400	720~3110	10.2	3.1~13.2	98
2.5+3.5+3.5	1.98	2.76	2.76	—	7.50	2.42~7.99	2490	650~2980	10.5	2.8~12.6	99
2.5+3.5+5.0	1.70	2.39	3.41	—	7.50	2.66~8.32	2410	660~2990	10.2	2.8~12.6	98
2.5+3.5+6.0	1.56	2.19	3.75	—	7.50	2.85~8.50	2400	700~3050	10.2	3.0~12.9	98
2.5+3.5+7.1	1.43	2.00	4.07	—	7.50	3.06~8.70	2360	760~3260	10.0	3.3~13.8	98
2.5+5.0+5.0	1.50	3.00	3.00	—	7.50	2.94~8.60	2380	670~2970	10.1	2.9~12.6	98
2.5+5.0+6.0	1.39	2.78	3.33	—	7.50	3.14~8.75	2310	730~3080	9.8	3.1~13.0	98
3.5+3.5+3.5	2.50	2.50	2.50	—	7.50	2.58~8.25	2510	700~3110	10.6	3.0~13.2	99
3.5+3.5+5.0	2.19	2.19	3.12	—	7.50	2.85~8.51	2400	730~3140	10.2	3.1~13.3	98
3.5+3.5+6.0	2.02	2.02	3.46	—	7.50	3.04~8.65	2370	760~3260	10.0	3.3~13.8	99
3.5+5.0+5.0	1.94	2.78	2.78	—	7.50	3.14~8.75	2270	730~3030	9.6	3.1~12.8	99
2.5+2.5+2.5+2.5	1.87	1.87	1.87	1.87	7.48	2.49~8.34	2290	590~2930	9.7	2.5~12.4	98
2.5+2.5+2.5+3.5	1.70	1.70	1.70	2.40	7.50	2.66~8.50	2270	630~3080	9.6	2.7~13.0	99
2.5+2.5+2.5+5.0	1.50	1.50	1.50	3.00	7.50	2.94~8.69	2240	650~3110	9.5	2.8~13.2	98
2.5+2.5+2.5+6.0	1.39	1.39	1.39	3.33	7.50	3.14~8.80	2220	690~3220	9.3	3.0~13.6	99
2.5+2.5+3.5+3.5	1.56	1.56	2.19	2.19	7.50	2.85~8.62	2250	670~3180	9.5	2.9~13.5	99
2.5+2.5+3.5+5.0	1.39	1.39	1.94	2.78	7.50	3.14~8.80	2230	690~3220	9.4	3.0~13.6	99
2.5+3.5+3.5+3.5	1.44	2.02	2.02	2.02	7.50	3.04~8.75	2240	730~3290	9.5	3.1~13.9	98

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor tempereture), 35°CDB (Outdoor tempereture).
2. The total ability of connected indoor units is up to 13.5kW.

3D050084#4

3.3.5 4MKD100DVM

Cooling [50/60Hz 220V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (kW)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.95~3.60	0.66	0.51~1.05	3.1	2.4~5.0	96
3.5	3.50	—	—	—	3.50	2.05~4.50	1.05	0.54~1.53	5.0	2.6~7.2	96
5.0	5.00	—	—	—	5.00	2.20~6.20	1.66	0.54~2.49	7.9	2.6~11.8	96
6.0	—	—	6.00	—	6.00	2.30~6.70	1.95	0.53~2.31	9.2	2.5~10.9	96
7.1	—	—	7.10	—	7.10	2.41~7.20	2.70	0.56~2.76	12.4	2.6~12.7	99
2.5+2.5	2.50	2.50	—	—	5.00	2.20~6.70	1.47	0.52~2.51	6.7	2.4~11.5	99
2.5+3.5	2.50	3.50	—	—	6.00	2.30~7.00	2.09	0.54~2.82	9.6	2.5~12.9	99
2.5+5.0	2.50	5.00	—	—	7.50	2.45~8.20	2.92	0.55~3.46	13.4	2.5~15.9	99
2.5+6.0	2.24	5.36	—	—	7.60	2.55~8.60	2.80	0.54~3.07	12.9	2.5~14.1	99
2.5+7.1	1.99	5.64	—	—	7.63	2.66~8.80	2.47	0.57~3.27	11.3	2.6~15.0	99
3.5+3.5	3.50	3.50	—	—	7.00	2.40~7.70	3.08	0.57~3.79	14.1	2.6~17.4	99
3.5+5.0	3.11	4.44	—	—	7.55	2.55~8.50	3.18	0.57~3.90	14.6	2.6~17.9	99
3.5+6.0	2.82	4.83	—	—	7.65	2.65~8.70	2.42	0.56~3.17	11.1	2.6~14.6	99
3.5+7.1	2.66	5.38	—	—	8.04	2.76~9.25	2.80	0.59~3.81	12.9	2.7~17.5	99
5.0+5.0	3.89	3.89	—	—	7.78	2.70~9.00	2.66	0.58~3.64	12.2	2.7~16.7	99
5.0+6.0	3.74	4.48	—	—	8.22	2.80~9.50	2.58	0.58~3.44	11.8	2.7~15.8	99
5.0+7.1	3.60	5.11	—	—	8.71	2.91~9.60	2.96	0.60~3.54	13.6	2.8~16.3	99
6.0+6.0	—	4.34	4.34	—	8.68	2.90~9.70	2.62	0.58~3.19	12.0	2.7~14.6	99
6.0+7.1	—	4.19	4.97	—	9.16	3.01~9.80	2.98	0.60~3.28	13.7	2.8~15.1	99
7.1+7.1	—	4.82	4.82	—	9.64	3.12~9.90	3.25	0.63~3.37	14.9	2.9~15.5	99
2.5+2.5+2.5	2.50	2.50	2.50	—	7.50	2.45~8.40	2.52	0.53~3.10	11.6	2.4~14.2	99
2.5+2.5+3.5	2.23	2.23	3.14	—	7.60	2.55~8.60	2.80	0.55~3.32	12.9	2.5~15.2	99
2.5+2.5+5.0	1.95	1.95	3.88	—	7.78	2.70~9.20	2.38	0.56~3.34	10.9	2.6~15.3	99
2.5+2.5+6.0	1.87	1.87	4.48	—	8.22	2.80~9.70	2.40	0.56~3.30	11.0	2.6~15.2	99
2.5+2.5+7.1	2.18	2.18	4.35	—	8.71	2.91~9.75	2.72	0.59~3.35	12.5	2.7~15.4	99
2.5+3.5+3.5	2.08	2.91	2.91	—	7.90	2.65~9.00	2.86	0.58~3.82	13.1	2.7~17.5	99
2.5+3.5+5.0	1.87	2.62	3.73	—	8.22	2.80~9.70	2.70	0.59~3.92	12.4	2.7~18.0	99
2.5+3.5+6.0	1.81	2.53	4.33	—	8.67	2.90~9.75	2.70	0.58~3.35	12.4	2.7~15.4	99
2.5+3.5+7.1	1.74	2.45	4.97	—	9.16	3.01~9.95	3.08	0.61~3.55	14.1	2.8~16.3	99
2.5+5.0+5.0	1.77	3.56	3.56	—	8.89	2.95~9.80	2.91	0.60~3.47	13.4	2.8~15.9	99
2.5+5.0+6.0	1.74	3.45	4.14	—	9.33	3.05~10.00	3.01	0.60~3.33	13.8	2.8~15.3	99
2.5+5.0+7.1	1.68	3.37	4.77	—	9.82	3.16~10.35	3.31	0.63~3.47	15.2	2.9~15.9	99
2.5+6.0+6.0	1.70	4.04	4.04	—	9.78	3.15~10.30	3.34	0.61~3.54	15.3	2.8~16.3	99
2.5+6.0+7.1	1.60	3.60	4.80	—	10.00	3.26~10.45	3.49	0.64~3.70	16.0	2.9~17.0	99
3.5+3.5+3.5	2.70	2.70	2.70	—	8.10	2.75~9.30	2.96	0.60~3.82	13.6	2.8~17.5	99
3.5+3.5+5.0	2.53	2.53	3.61	—	8.67	2.90~9.75	3.09	0.61~3.98	14.2	2.8~18.3	99
3.5+3.5+6.0	2.46	2.46	4.19	—	9.11	3.00~9.95	3.04	0.61~3.55	14.0	2.8~16.3	99
3.5+3.5+7.1	2.38	2.38	4.84	—	9.60	3.11~10.30	3.50	0.63~3.94	16.1	2.9~18.1	99
3.5+5.0+5.0	2.43	3.45	3.45	—	9.33	3.05~10.20	3.30	0.62~3.91	15.2	2.8~18.0	99
3.5+5.0+6.0	2.36	3.38	4.04	—	9.78	3.15~10.30	3.41	0.63~3.82	15.7	2.9~17.5	99
3.5+5.0+7.1	2.10	3.00	4.90	—	10.00	3.26~10.45	3.58	0.65~3.78	16.4	3.0~17.4	99
3.5+6.0+6.0	2.26	3.87	3.87	—	10.00	3.25~10.40	3.47	0.64~3.75	15.9	2.9~17.2	99
5.0+5.0+5.0	3.32	3.32	3.32	—	9.96	3.20~10.35	3.45	0.64~3.76	15.8	2.9~17.3	99
2.5+2.5+2.5+2.5	1.95	1.95	1.95	1.95	7.80	2.70~9.45	2.21	0.55~3.22	10.1	2.5~14.8	99
2.5+2.5+2.5+3.5	1.86	1.86	1.86	2.64	8.22	2.80~9.70	2.48	0.57~3.46	11.4	2.6~15.9	99
2.5+2.5+2.5+5.0	1.78	1.78	1.78	3.55	8.89	2.95~10.10	2.74	0.59~3.51	12.6	2.7~16.1	99
2.5+2.5+2.5+6.0	1.73	1.73	1.73	4.14	9.33	3.05~10.20	2.95	0.60~3.54	13.5	2.8~16.3	99
2.5+2.5+2.5+7.1	1.68	1.68	1.68	4.78	9.82	3.16~10.30	3.37	0.62~3.74	15.5	2.8~17.2	99
2.5+2.5+3.5+3.5	1.80	1.80	2.53	2.53	8.66	2.90~9.90	2.80	0.59~3.46	12.9	2.7~15.9	99
2.5+2.5+3.5+5.0	1.73	1.73	2.42	3.46	9.34	3.05~10.25	3.08	0.61~3.76	14.1	2.8~17.3	99
2.5+2.5+3.5+6.0	1.68	1.68	2.36	4.05	9.77	3.15~10.40	3.34	0.62~3.79	15.3	2.8~17.4	99
2.5+2.5+3.5+7.1	1.70	1.70	2.30	4.30	10.00	3.26~10.50	3.33	0.64~3.74	15.3	2.9~17.2	99
2.5+2.5+5.0+5.0	1.66	1.66	3.32	3.32	9.96	3.20~10.45	3.47	0.63~3.76	15.9	2.9~17.3	99
2.5+3.5+3.5+3.5	1.75	2.45	2.45	2.45	9.10	3.00~10.00	3.17	0.61~3.67	14.6	2.8~16.9	99
2.5+3.5+3.5+5.0	1.68	2.36	2.36	3.38	9.78	3.15~10.30	3.49	0.63~3.71	16.0	2.9~17.0	99
2.5+3.5+3.5+6.0	1.61	2.26	2.26	3.87	10.00	3.25~10.40	3.45	0.64~3.75	15.8	2.9~17.2	99
3.5+3.5+3.5+3.5	2.39	2.39	2.39	2.39	9.56	3.10~10.10	3.63	0.64~3.90	16.7	2.9~17.9	99
3.5+3.5+3.5+5.0	2.26	2.26	2.26	3.22	10.00	3.25~10.40	3.64	0.65~3.82	16.7	3.0~17.5	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor tempereture), 35°CDB (Outdoor tempereture).
2. The total ability of connected indoor units is up to 15.6kW.

3D050028#2
3D050028#3

Cooling [50/60Hz 230V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (kW)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.95~3.60	0.66	0.51~1.05	3.0	2.3~4.8	96
3.5	3.50	—	—	—	3.50	2.05~4.50	1.05	0.54~1.53	4.8	2.4~6.9	96
5.0	5.00	—	—	—	5.00	2.20~6.20	1.66	0.54~2.49	7.5	2.4~11.3	96
6.0	—	—	6.00	—	6.00	2.30~6.70	1.95	0.53~2.31	8.8	2.4~10.5	96
7.1	—	—	7.10	—	7.10	2.41~7.20	2.70	0.56~2.76	11.9	2.5~12.1	99
2.5+2.5	2.50	2.50	—	—	5.00	2.20~6.70	1.47	0.52~2.51	6.5	2.3~11.0	99
2.5+3.5	2.50	3.50	—	—	6.00	2.30~7.00	2.09	0.54~2.82	9.2	2.4~12.4	99
2.5+5.0	2.50	5.00	—	—	7.50	2.45~8.20	2.92	0.55~3.46	12.8	2.4~15.2	99
2.5+6.0	2.24	5.36	—	—	7.60	2.55~8.60	2.80	0.54~3.07	12.3	2.4~13.5	99
2.5+7.1	1.99	5.64	—	—	7.63	2.66~8.80	2.47	0.57~3.27	10.8	2.5~14.4	99
3.5+3.5	3.50	3.50	—	—	7.00	2.40~7.70	3.08	0.57~3.79	13.5	2.5~16.6	99
3.5+5.0	3.11	4.44	—	—	7.55	2.55~8.50	3.18	0.57~3.90	14.0	2.5~17.1	99
3.5+6.0	2.82	4.83	—	—	7.65	2.65~8.70	2.42	0.56~3.17	10.6	2.5~13.9	99
3.5+7.1	2.66	5.38	—	—	8.04	2.76~9.25	2.80	0.59~3.81	12.3	2.6~16.7	99
5.0+5.0	3.89	3.89	—	—	7.78	2.70~9.00	2.66	0.58~3.64	11.7	2.5~16.0	99
5.0+6.0	3.74	4.48	—	—	8.22	2.80~9.50	2.58	0.58~3.44	11.3	2.5~15.1	99
5.0+7.1	3.60	5.11	—	—	8.71	2.91~9.60	2.96	0.60~3.54	13.0	2.6~15.5	99
6.0+6.0	—	4.34	4.34	—	8.68	2.90~9.70	2.62	0.58~3.19	11.5	2.5~14.0	99
6.0+7.1	—	4.19	4.97	—	9.16	3.01~9.80	2.98	0.60~3.28	13.1	2.6~14.4	99
7.1+7.1	—	4.82	4.82	—	9.64	3.12~9.90	3.25	0.63~3.37	14.3	2.8~14.8	99
2.5+2.5+2.5	2.50	2.50	2.50	—	7.50	2.45~8.40	2.52	0.53~3.10	11.1	2.3~13.6	99
2.5+2.5+3.5	2.23	2.23	3.14	—	7.60	2.55~8.60	2.80	0.55~3.32	12.3	2.4~14.6	99
2.5+2.5+5.0	1.95	1.95	3.88	—	7.78	2.70~9.20	2.38	0.56~3.34	10.5	2.5~14.7	99
2.5+2.5+6.0	1.87	1.87	4.48	—	8.22	2.80~9.70	2.40	0.56~3.30	10.5	2.5~14.5	99
2.5+2.5+7.1	2.18	2.18	4.35	—	8.71	2.91~9.75	2.72	0.59~3.35	11.9	2.6~14.7	99
2.5+3.5+3.5	2.08	2.91	2.91	—	7.90	2.65~9.00	2.86	0.58~3.82	12.6	2.5~16.8	99
2.5+3.5+5.0	1.87	2.62	3.73	—	8.22	2.80~9.70	2.70	0.59~3.92	11.9	2.6~17.2	99
2.5+3.5+6.0	1.81	2.53	4.33	—	8.67	2.90~9.75	2.70	0.58~3.35	11.9	2.5~14.7	99
2.5+3.5+7.1	1.74	2.45	4.97	—	9.16	3.01~9.95	3.08	0.61~3.55	13.5	2.7~15.6	99
2.5+5.0+5.0	1.77	3.56	3.56	—	8.89	2.95~9.80	2.91	0.60~3.47	12.8	2.6~15.2	99
2.5+5.0+6.0	1.74	3.45	4.14	—	9.33	3.05~10.00	3.01	0.60~3.33	13.2	2.6~14.6	99
2.5+5.0+7.1	1.68	3.37	4.77	—	9.82	3.16~10.35	3.31	0.63~3.47	14.5	2.8~15.2	99
2.5+6.0+6.0	1.70	4.04	4.04	—	9.78	3.15~10.30	3.34	0.61~3.54	14.7	2.7~15.5	99
2.5+6.0+7.1	1.60	3.60	4.80	—	10.00	3.26~10.45	3.49	0.64~3.70	15.3	2.8~16.2	99
3.5+3.5+3.5	2.70	2.70	2.70	—	8.10	2.75~9.30	2.96	0.60~3.82	13.0	2.6~16.8	99
3.5+3.5+5.0	2.53	2.53	3.61	—	8.67	2.90~9.75	3.09	0.61~3.98	13.6	2.7~17.5	99
3.5+3.5+6.0	2.46	2.46	4.19	—	9.11	3.00~9.95	3.04	0.61~3.55	13.4	2.7~15.6	99
3.5+3.5+7.1	2.38	2.38	4.84	—	9.60	3.11~10.30	3.50	0.63~3.94	15.4	2.8~17.3	99
3.5+5.0+5.0	2.43	3.45	3.45	—	9.33	3.05~10.20	3.30	0.62~3.91	14.5	2.7~17.2	99
3.5+5.0+6.0	2.36	3.38	4.04	—	9.78	3.15~10.30	3.41	0.63~3.82	15.0	2.8~16.8	99
3.5+5.0+7.1	2.10	3.00	4.90	—	10.00	3.26~10.45	3.58	0.65~3.78	15.7	2.9~16.6	99
3.5+6.0+6.0	2.26	3.87	3.87	—	10.00	3.25~10.40	3.47	0.64~3.75	15.2	2.8~16.5	99
5.0+5.0+5.0	3.32	3.32	3.32	—	9.96	3.20~10.35	3.45	0.64~3.76	15.2	2.8~16.5	99
2.5+2.5+2.5+2.5	1.95	1.95	1.95	1.95	7.80	2.70~9.45	2.21	0.55~3.22	9.7	2.4~14.1	99
2.5+2.5+2.5+3.5	1.86	1.86	1.86	2.64	8.22	2.80~9.70	2.48	0.57~3.46	10.9	2.5~15.2	99
2.5+2.5+2.5+5.0	1.78	1.78	1.78	3.55	8.89	2.95~10.10	2.74	0.59~3.51	12.0	2.6~15.4	99
2.5+2.5+2.5+6.0	1.73	1.73	1.73	4.14	9.33	3.05~10.20	2.95	0.60~3.54	13.0	2.6~15.5	99
2.5+2.5+2.5+7.1	1.68	1.68	1.68	4.78	9.82	3.16~10.30	3.37	0.62~3.74	14.8	2.7~16.4	99
2.5+2.5+3.5+3.5	1.80	1.80	2.53	2.53	8.66	2.90~9.90	2.80	0.59~3.46	12.3	2.6~15.2	99
2.5+2.5+3.5+5.0	1.73	1.73	2.42	3.46	9.34	3.05~10.25	3.08	0.61~3.76	13.5	2.7~16.5	99
2.5+2.5+3.5+6.0	1.68	1.68	2.36	4.05	9.77	3.15~10.40	3.34	0.62~3.79	14.7	2.7~16.6	99
2.5+2.5+3.5+7.1	1.70	1.70	2.30	4.30	10.00	3.26~10.50	3.33	0.64~3.74	14.6	2.8~16.4	99
2.5+2.5+5.0+5.0	1.66	1.66	3.32	3.32	9.96	3.20~10.45	3.47	0.63~3.76	15.2	2.8~16.5	99
2.5+3.5+3.5+3.5	1.75	2.45	2.45	2.45	9.10	3.00~10.00	3.17	0.61~3.67	13.9	2.7~16.1	99
2.5+3.5+3.5+5.0	1.68	2.36	2.36	3.38	9.78	3.15~10.30	3.49	0.63~3.71	15.3	2.8~16.3	99
2.5+3.5+3.5+6.0	1.61	2.26	2.26	3.87	10.00	3.25~10.40	3.45	0.64~3.75	15.2	2.8~16.5	99
3.5+3.5+3.5+3.5	2.39	2.39	2.39	2.39	9.56	3.10~10.10	3.63	0.64~3.90	15.9	2.8~17.1	99
3.5+3.5+3.5+5.0	2.26	2.26	2.26	3.22	10.00	3.25~10.40	3.64	0.65~3.82	16.0	2.9~16.8	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor tempereture), 35°CDB (Outdoor tempereture).
2. The total ability of connected indoor units is up to 15.6kW.

3D050028#4
3D050028#5

Cooling [50Hz 240V]

Combination of indoor unit	Each capacity (kW)				Total capacity (kW)		Total input (kW)		Total current (A)		Power factor (%)
	A room	B room	C room	D room	Rating	(min ~ max)	Rating	(min ~ max)	Rating	(min ~ max)	Rating
2.5	2.50	—	—	—	2.50	1.95~3.60	0.66	0.51~1.05	2.9	2.2~4.6	96
3.5	3.50	—	—	—	3.50	2.05~4.50	1.05	0.54~1.53	4.6	2.3~6.6	96
5.0	5.00	—	—	—	5.00	2.20~6.20	1.66	0.54~2.49	7.2	2.3~10.8	96
6.0	—	—	6.00	—	6.00	2.30~6.70	1.95	0.53~2.31	8.5	2.3~10.0	96
7.1	—	—	7.10	—	7.10	2.41~7.20	2.70	0.56~2.76	11.4	2.4~11.6	99
2.5+2.5	2.50	2.50	—	—	5.00	2.20~6.70	1.47	0.52~2.51	6.2	2.2~10.6	99
2.5+3.5	2.50	3.50	—	—	6.00	2.30~7.00	2.09	0.54~2.82	8.8	2.3~11.9	99
2.5+5.0	2.50	5.00	—	—	7.50	2.45~8.20	2.92	0.55~3.46	12.3	2.3~14.6	99
2.5+6.0	2.24	5.36	—	—	7.60	2.55~8.60	2.80	0.54~3.07	11.8	2.3~12.9	99
2.5+7.1	1.99	5.64	—	—	7.63	2.66~8.80	2.47	0.57~3.27	10.4	2.4~13.8	99
3.5+3.5	3.50	3.50	—	—	7.00	2.40~7.70	3.08	0.57~3.79	13.0	2.4~16.0	99
3.5+5.0	3.11	4.44	—	—	7.55	2.55~8.50	3.18	0.57~3.90	13.4	2.4~16.4	99
3.5+6.0	2.82	4.83	—	—	7.65	2.65~8.70	2.42	0.56~3.17	10.2	2.4~13.3	99
3.5+7.1	2.66	5.38	—	—	8.04	2.76~9.25	2.80	0.59~3.81	11.8	2.5~16.0	99
5.0+5.0	3.89	3.89	—	—	7.78	2.70~9.00	2.66	0.58~3.64	11.2	2.4~15.3	99
5.0+6.0	3.74	4.48	—	—	8.22	2.80~9.50	2.58	0.58~3.44	10.9	2.4~14.5	99
5.0+7.1	3.60	5.11	—	—	8.71	2.91~9.60	2.96	0.60~3.54	12.5	2.5~14.9	99
6.0+6.0	—	4.34	4.34	—	8.68	2.90~9.70	2.62	0.58~3.19	11.0	2.4~13.4	99
6.0+7.1	—	4.19	4.97	—	9.16	3.01~9.80	2.98	0.60~3.28	12.5	2.5~13.8	99
7.1+7.1	—	4.82	4.82	—	9.64	3.12~9.90	3.25	0.63~3.37	13.7	2.7~14.2	99
2.5+2.5+2.5	2.50	2.50	2.50	—	7.50	2.45~8.40	2.52	0.53~3.10	10.6	2.2~13.0	99
2.5+2.5+3.5	2.23	2.23	3.14	—	7.60	2.55~8.60	2.80	0.55~3.32	11.8	2.3~14.0	99
2.5+2.5+5.0	1.95	1.95	3.88	—	7.78	2.70~9.20	2.38	0.56~3.34	10.0	2.4~14.1	99
2.5+2.5+6.0	1.87	1.87	4.48	—	8.22	2.80~9.70	2.40	0.56~3.30	10.1	2.4~13.9	99
2.5+2.5+7.1	2.18	2.18	4.35	—	8.71	2.91~9.75	2.72	0.59~3.35	11.4	2.5~14.1	99
2.5+3.5+3.5	2.08	2.91	2.91	—	7.90	2.65~9.00	2.86	0.58~3.82	12.0	2.4~16.1	99
2.5+3.5+5.0	1.87	2.62	3.73	—	8.22	2.80~9.70	2.70	0.59~3.92	11.4	2.5~16.5	99
2.5+3.5+6.0	1.81	2.53	4.33	—	8.67	2.90~9.75	2.70	0.58~3.35	11.4	2.4~14.1	99
2.5+3.5+7.1	1.74	2.45	4.97	—	9.16	3.01~9.95	3.08	0.61~3.55	13.0	2.6~14.9	99
2.5+5.0+5.0	1.77	3.56	3.56	—	8.89	2.95~9.80	2.91	0.60~3.47	12.2	2.5~14.6	99
2.5+5.0+6.0	1.74	3.45	4.14	—	9.33	3.05~10.00	3.01	0.60~3.33	12.7	2.5~14.0	99
2.5+5.0+7.1	1.68	3.37	4.77	—	9.82	3.16~10.35	3.31	0.63~3.47	13.9	2.7~14.6	99
2.5+6.0+6.0	1.70	4.04	4.04	—	9.78	3.15~10.30	3.34	0.61~3.54	14.1	2.6~14.9	99
2.5+6.0+7.1	1.60	3.60	4.80	—	10.00	3.26~10.45	3.49	0.64~3.70	14.7	2.7~15.6	99
3.5+3.5+3.5	2.70	2.70	2.70	—	8.10	2.75~9.30	2.96	0.60~3.82	12.5	2.5~16.1	99
3.5+3.5+5.0	2.53	2.53	3.61	—	8.67	2.90~9.75	3.09	0.61~3.98	13.0	2.6~16.8	99
3.5+3.5+6.0	2.46	2.46	4.19	—	9.11	3.00~9.95	3.04	0.61~3.55	12.8	2.6~14.9	99
3.5+3.5+7.1	2.38	2.38	4.84	—	9.60	3.11~10.30	3.50	0.63~3.94	14.7	2.7~16.6	99
3.5+5.0+5.0	2.43	3.45	3.45	—	9.33	3.05~10.20	3.30	0.62~3.91	13.9	2.6~16.5	99
3.5+5.0+6.0	2.36	3.38	4.04	—	9.78	3.15~10.30	3.41	0.63~3.82	14.4	2.7~16.1	99
3.5+5.0+7.1	2.10	3.00	4.90	—	10.00	3.26~10.45	3.58	0.65~3.78	15.1	2.7~15.9	99
3.5+6.0+6.0	2.26	3.87	3.87	—	10.00	3.25~10.40	3.47	0.64~3.75	14.6	2.7~15.8	99
5.0+5.0+5.0	3.32	3.32	3.32	—	9.96	3.20~10.35	3.45	0.64~3.76	14.5	2.7~15.8	99
2.5+2.5+2.5+2.5	1.95	1.95	1.95	1.95	7.80	2.70~9.45	2.21	0.55~3.22	9.3	2.3~13.6	99
2.5+2.5+2.5+3.5	1.86	1.86	1.86	2.64	8.22	2.80~9.70	2.48	0.57~3.46	10.4	2.4~14.6	99
2.5+2.5+2.5+5.0	1.78	1.78	1.78	3.55	8.89	2.95~10.10	2.74	0.59~3.51	11.5	2.5~14.8	99
2.5+2.5+2.5+6.0	1.73	1.73	1.73	4.14	9.33	3.05~10.20	2.95	0.60~3.54	12.4	2.5~14.9	99
2.5+2.5+2.5+7.1	1.68	1.68	1.68	4.78	9.82	3.16~10.30	3.37	0.62~3.74	14.2	2.6~15.7	99
2.5+2.5+3.5+3.5	1.80	1.80	2.53	2.53	8.66	2.90~9.90	2.80	0.59~3.46	11.8	2.5~14.6	99
2.5+2.5+3.5+5.0	1.73	1.73	2.42	3.46	9.34	3.05~10.25	3.08	0.61~3.76	13.0	2.6~15.8	99
2.5+2.5+3.5+6.0	1.68	1.68	2.36	4.05	9.77	3.15~10.40	3.34	0.62~3.79	14.1	2.6~16.0	99
2.5+2.5+3.5+7.1	1.70	1.70	2.30	4.30	10.00	3.26~10.50	3.33	0.64~3.74	14.0	2.7~15.7	99
2.5+2.5+5.0+5.0	1.66	1.66	3.32	3.32	9.96	3.20~10.45	3.47	0.63~3.76	14.6	2.7~15.8	99
2.5+3.5+3.5+3.5	1.75	2.45	2.45	2.45	9.10	3.00~10.00	3.17	0.61~3.67	13.3	2.6~15.4	99
2.5+3.5+3.5+5.0	1.68	2.36	2.36	3.38	9.78	3.15~10.30	3.49	0.63~3.71	14.7	2.7~15.6	99
2.5+3.5+3.5+6.0	1.61	2.26	2.26	3.87	10.00	3.25~10.40	3.45	0.64~3.75	14.5	2.7~15.8	99
3.5+3.5+3.5+3.5	2.39	2.39	2.39	2.39	9.56	3.10~10.10	3.63	0.64~3.90	15.3	2.7~16.4	99
3.5+3.5+3.5+5.0	2.26	2.26	2.26	3.22	10.00	3.25~10.40	3.64	0.65~3.82	15.3	2.7~16.1	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor tempereture), 35°CDB (Outdoor tempereture).
2. The total ability of connected indoor units is up to 15.6kW.

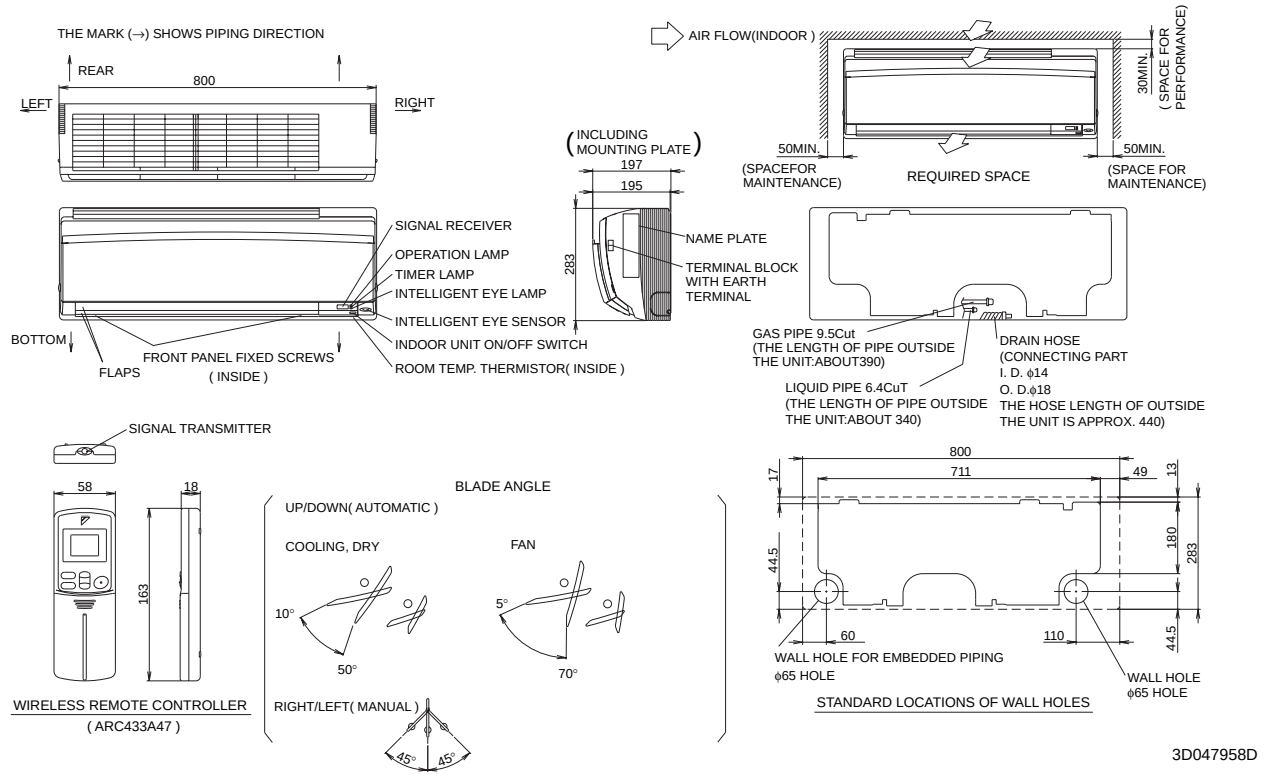
3D050028#8
3D050028#9

4. Dimensions

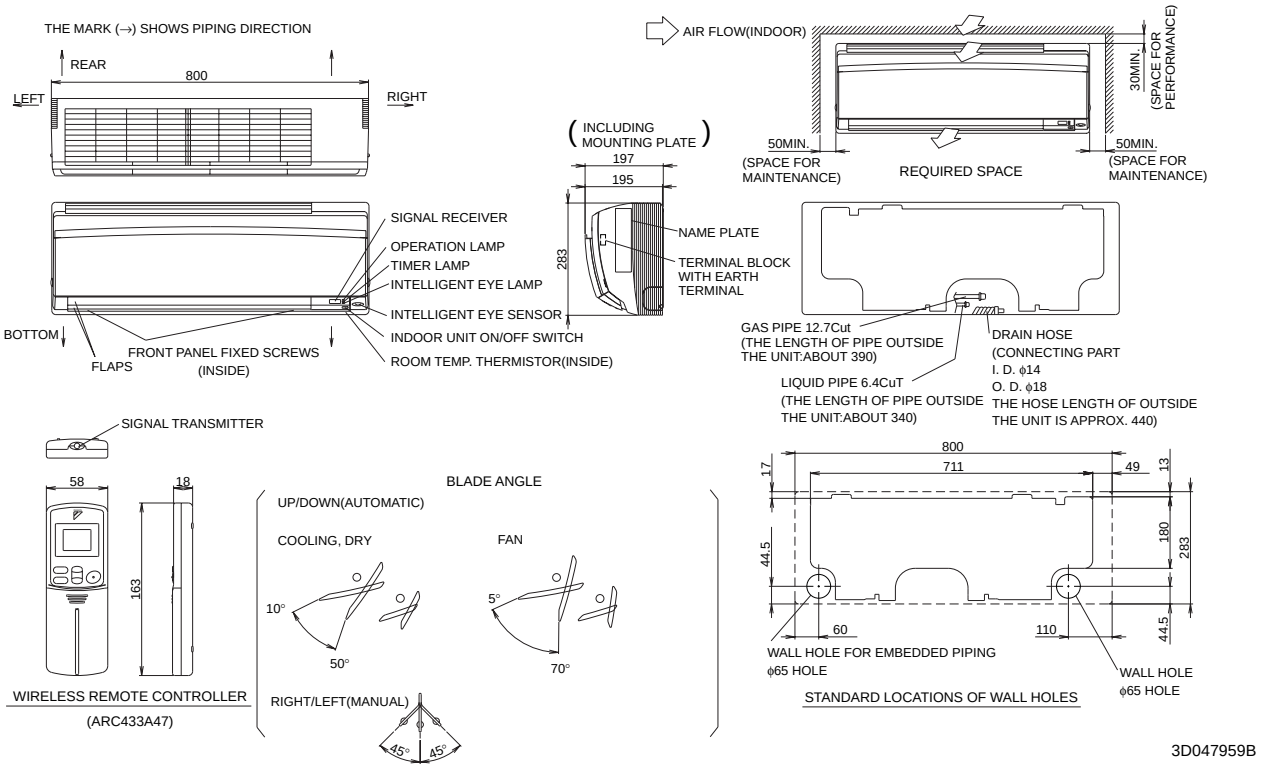
4.1 Indoor Units

4.1.1 Wall Mounted Type

FTKD25DVM



FTKD35DVM



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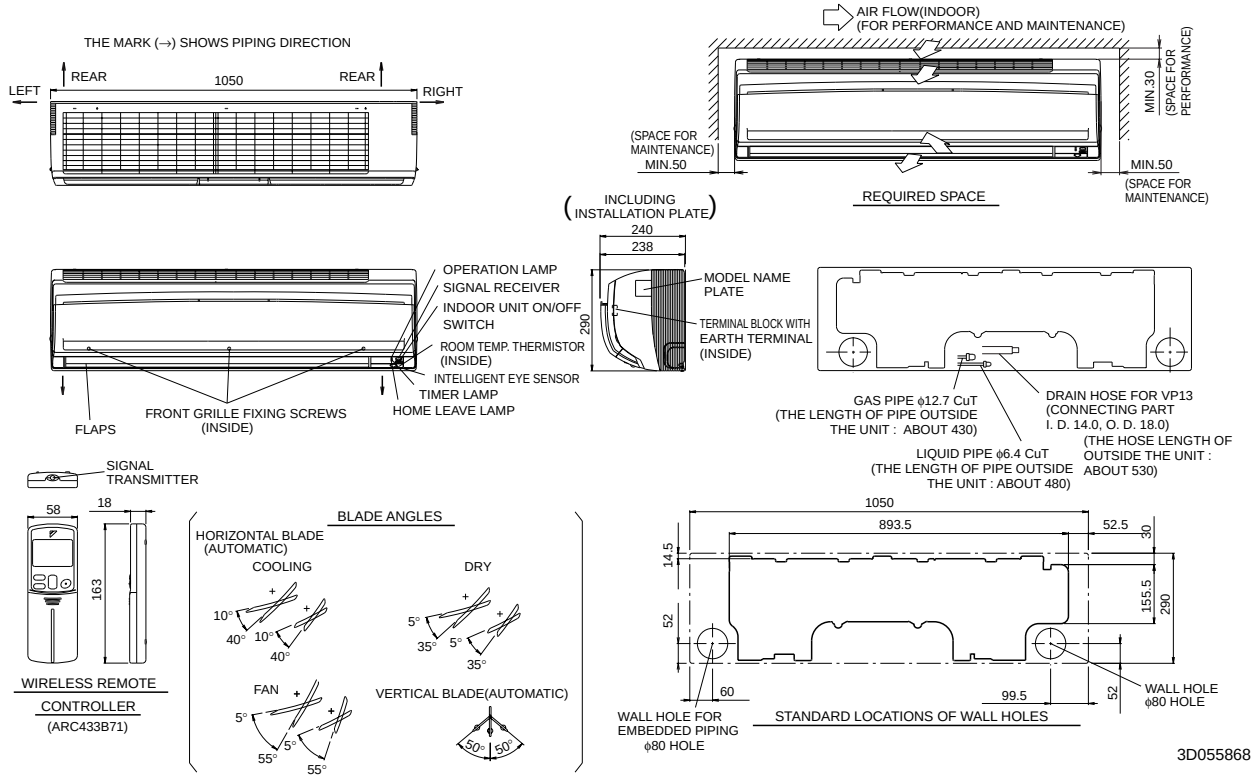
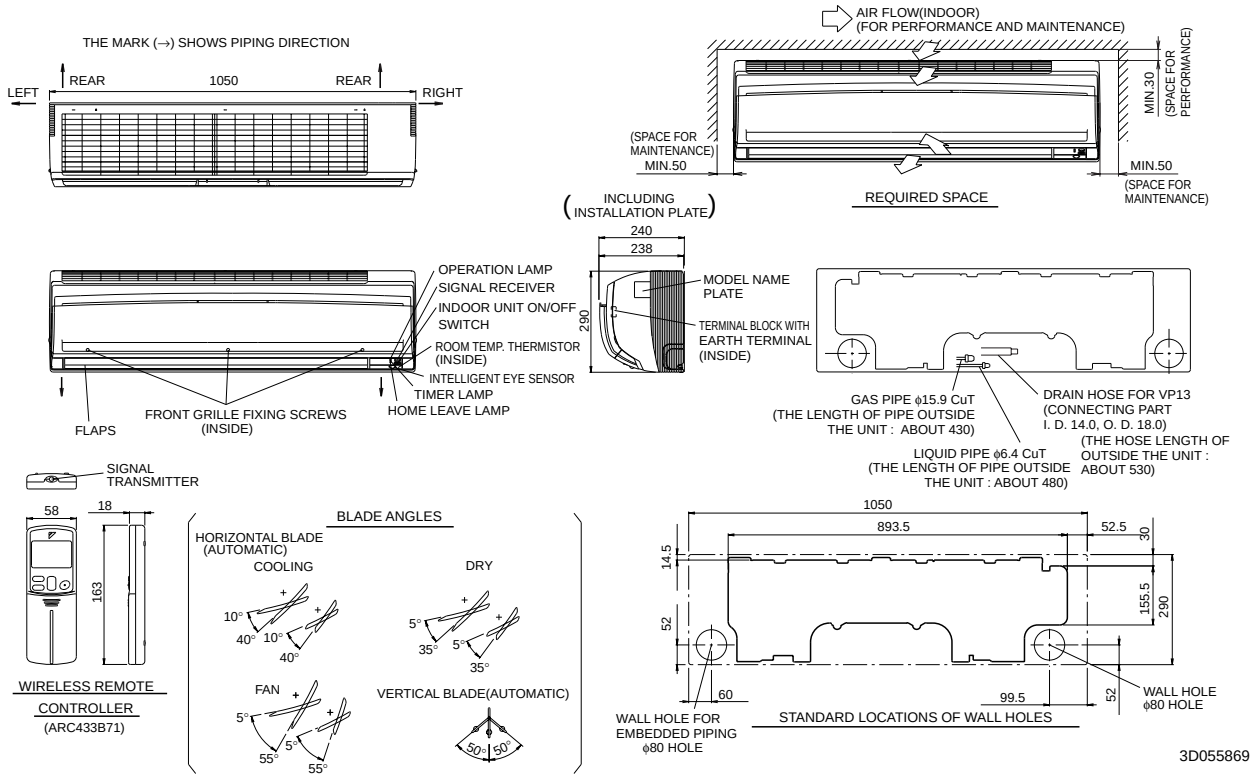
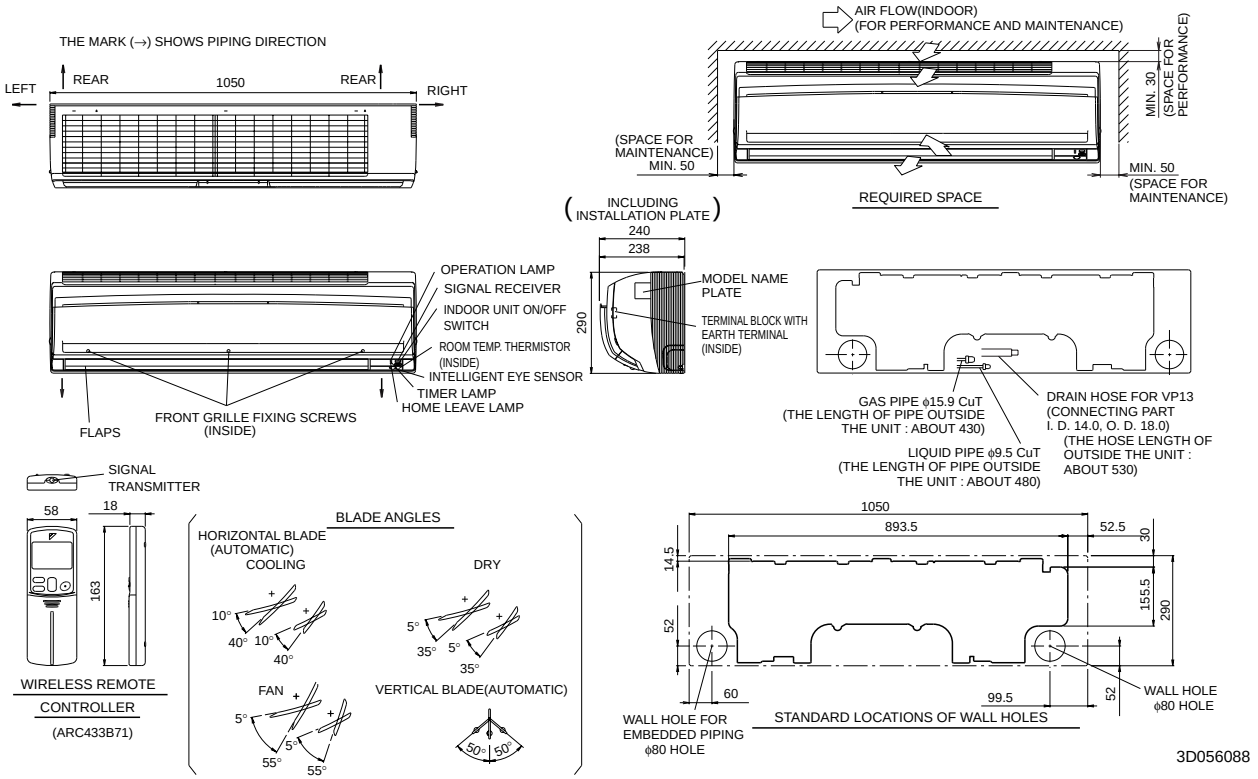


FTKD60FVM

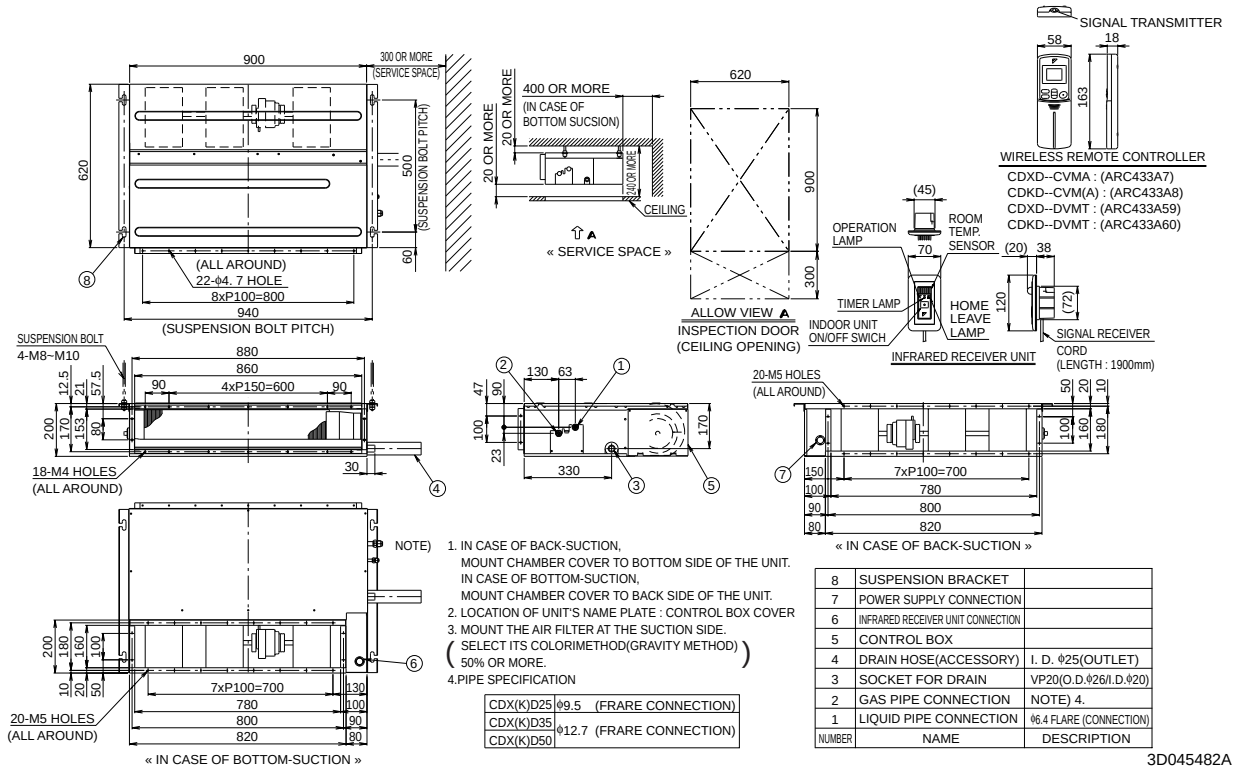


FTKD71FVM


THE MARK (→) SHOWS PIPING DIRECTION
LEFT
REAR
1050
REAR
RIGHT
AIR FLOW(INDOOR)
(FOR PERFORMANCE AND MAINTENANCE)
MIN. 30
(SPACE FOR PERFORMANCE)
(SPACE FOR MAINTENANCE)
MIN. 50
MIN. 50
(SPACE FOR MAINTENANCE)
REQUIRED SPACE
(INCLUDING INSTALLATION PLATE)
240
238
290
OPERATION LAMP
SIGNAL RECEIVER
INDOOR UNIT ON/OFF SWITCH
ROOM TEMP. THERMISTOR (INSIDE)
INTELLIGENT EYE SENSOR
TIMER LAMP
HOME LEAVE LAMP
FLAPS
FRONT GRILLE FIXING SCREWS (INSIDE)
MODEL NAME PLATE
TERMINAL BLOCK WITH EARTH TERMINAL (INSIDE)
GAS PIPE ϕ15.9 CuT (THE LENGTH OF PIPE OUTSIDE THE UNIT : ABOUT 430)
LIQUID PIPE ϕ9.5 CuT (THE LENGTH OF PIPE OUTSIDE THE UNIT : ABOUT 480)
DRAIN HOSE FOR VP13 (CONNECTING PART I. D. 14.0, O. D. 18.0) (THE HOSE LENGTH OF OUTSIDE THE UNIT : ABOUT 530)
SIGNAL TRANSMITTER
58
18
163
WIRELESS REMOTE CONTROLLER
(ARC433B71)
BLADE ANGLES
HORIZONTAL BLADE (AUTOMATIC)
COOLING
10°
40°
10°
40°
DRY
5°
35°
5°
35°
FAN
5°
5°
55°
55°
VERTICAL BLADE(AUTOMATIC)
50°
50°
1050
893.5
52.5
30
14.5
155.5
290
52
60
99.5
52
WALL HOLE FOR EMBEDDED PIPING ϕ80 HOLE
WALL HOLE ϕ80 HOLE
STANDARD LOCATIONS OF WALL HOLES
3D056088

4.1.2 Duct Connected Type

CDKD25CVM, CDKD35CVM, CDKD50CVM



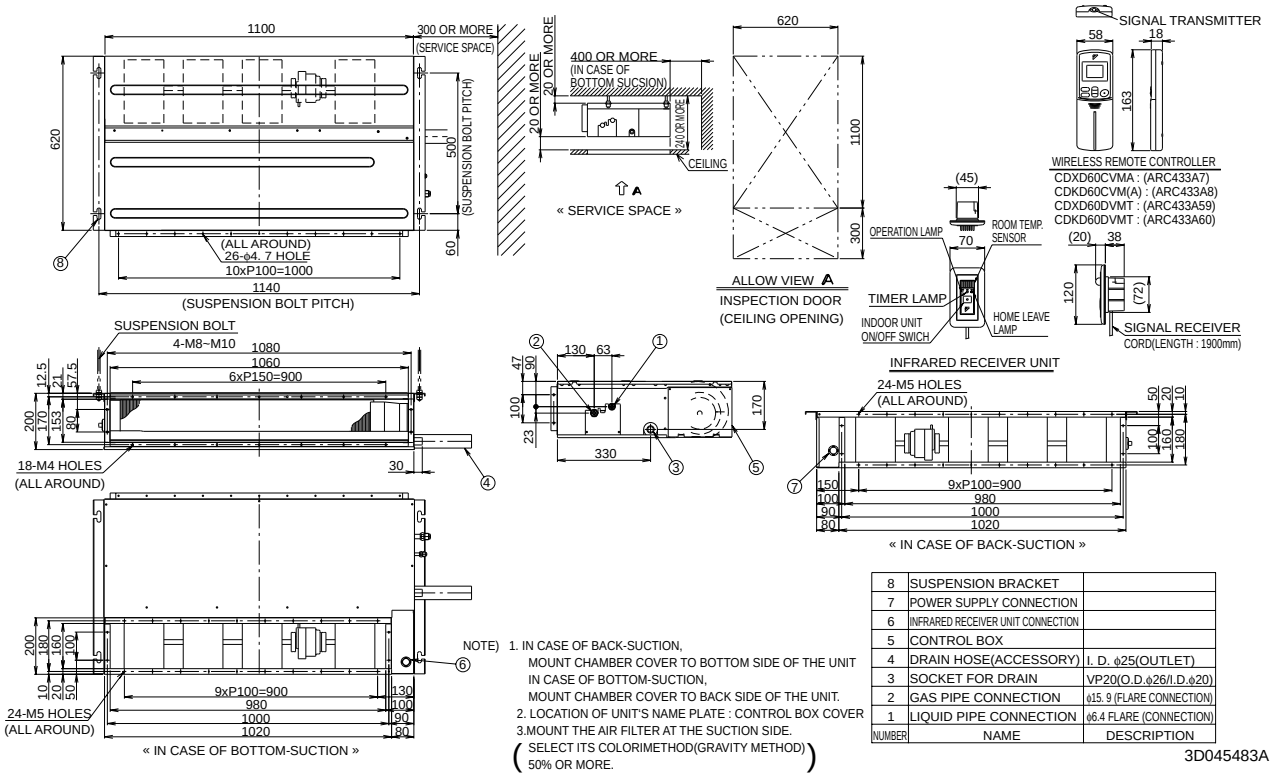
NOTE)
1. IN CASE OF BACK-SUCTION,
   MOUNT CHAMBER COVER TO BOTTOM SIDE OF THE UNIT.
   IN CASE OF BOTTOM-SUCTION,
   MOUNT CHAMBER COVER TO BACK SIDE OF THE UNIT.
2. LOCATION OF UNIT'S NAME PLATE : CONTROL BOX COVER
3. MOUNT THE AIR FILTER AT THE SUCTION SIDE.
   (SELECT ITS COLORIMETHOD(GRAVITY METHOD) 50% OR MORE.)
4.PIPE SPECIFICATION

CDX(K)D25	φ9.5 (FRARE CONNECTION)
CDX(K)D35	φ12.7 (FRARE CONNECTION)
CDX(K)D50	

NUMBER	NAME	DESCRIPTION
8	SUSPENSION BRACKET	
7	POWER SUPPLY CONNECTION	
6	INFRARED RECEIVER UNIT CONNECTION	
5	CONTROL BOX	
4	DRAIN HOSE(ACCESSORY)	I. D. φ25(OUTLET)
3	SOCKET FOR DRAIN	VP20(O.D.φ26/I.D.φ20)
2	GAS PIPE CONNECTION	NOTE) 4.
1	LIQUID PIPE CONNECTION	φ6.4 FLARE (CONNECTION)

3D045482A

CDKD60CVM

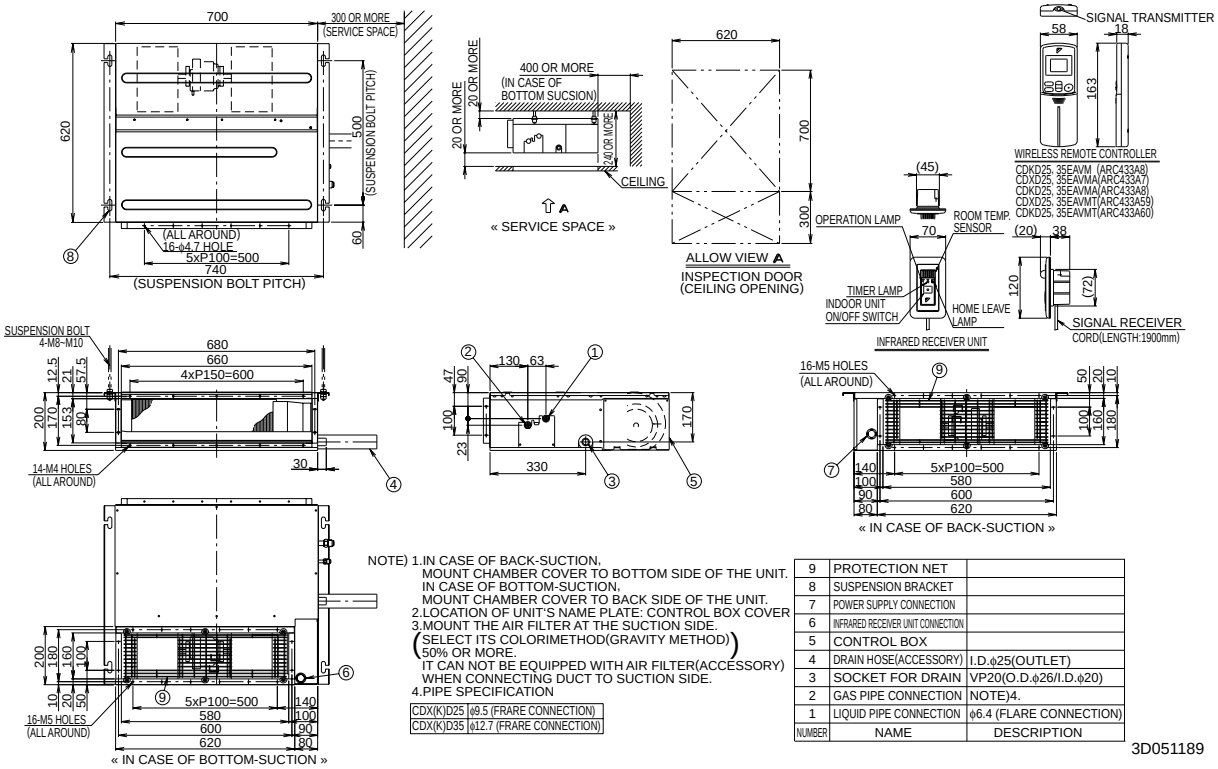


NOTE)
1. IN CASE OF BACK-SUCTION,
   MOUNT CHAMBER COVER TO BOTTOM SIDE OF THE UNIT
   IN CASE OF BOTTOM-SUCTION,
   MOUNT CHAMBER COVER TO BACK SIDE OF THE UNIT.
2. LOCATION OF UNIT'S NAME PLATE : CONTROL BOX COVER
3.MOUNT THE AIR FILTER AT THE SUCTION SIDE.
   (SELECT ITS COLORIMETHOD(GRAVITY METHOD) 50% OR MORE.)

NUMBER	NAME	DESCRIPTION
8	SUSPENSION BRACKET	
7	POWER SUPPLY CONNECTION	
6	INFRARED RECEIVER UNIT CONNECTION	
5	CONTROL BOX	
4	DRAIN HOSE(ACCESSORY)	I. D. φ25(OUTLET)
3	SOCKET FOR DRAIN	VP20(O.D.φ26/I.D.φ20)
2	GAS PIPE CONNECTION	φ15. 9 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	φ6.4 FLARE (CONNECTION)

3D045483A

CDKD25EAVM, CDKD35EAVM



NOTE) 1.IN CASE OF BACK-SUCTION,
MOUNT CHAMBER COVER TO BOTTOM SIDE OF THE UNIT.
IN CASE OF BOTTOM-SUCTION,
MOUNT CHAMBER COVER TO BACK SIDE OF THE UNIT.
2.LOCATION OF UNIT'S NAME PLATE: CONTROL BOX COVER
3.MOUNT THE AIR FILTER AT THE SUCTION SIDE.
(SELECT ITS COLORIMETHOD(GRAVITY METHOD)
50% OR MORE.
IT CAN NOT BE EQUIPPED WITH AIR FILTER(ACCESSORY)
WHEN CONNECTING DUCT TO SUCTION SIDE.)
4.PIPE SPECIFICATION

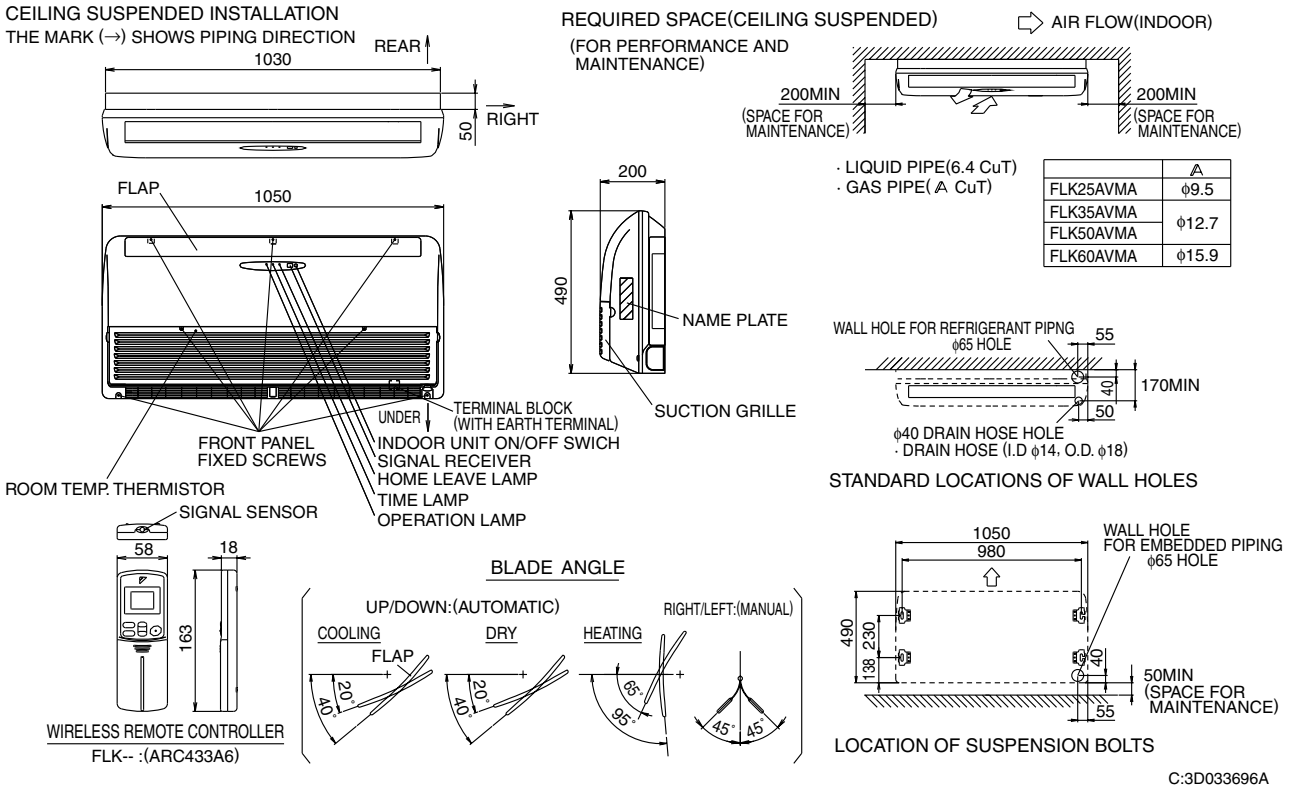
CDX(K)D25	φ9.5 (FRARE CONNECTION)
CDX(K)D35	φ12.7 (FRARE CONNECTION)

NUMBER	NAME	DESCRIPTION
9	PROTECTION NET	
8	SUSPENSION BRACKET	
7	POWER SUPPLY CONNECTION	
6	INFRARED RECEIVER UNIT CONNECTION	
5	CONTROL BOX	
4	DRAIN HOSE(ACCESSORY)	I.D.φ25(OUTLET)
3	SOCKET FOR DRAIN	VP20(O.D.φ26/I.D.φ20)
2	GAS PIPE CONNECTION	NOTE)4.
1	LIQUID PIPE CONNECTION	φ6.4 (FLARE CONNECTION)

3D051189

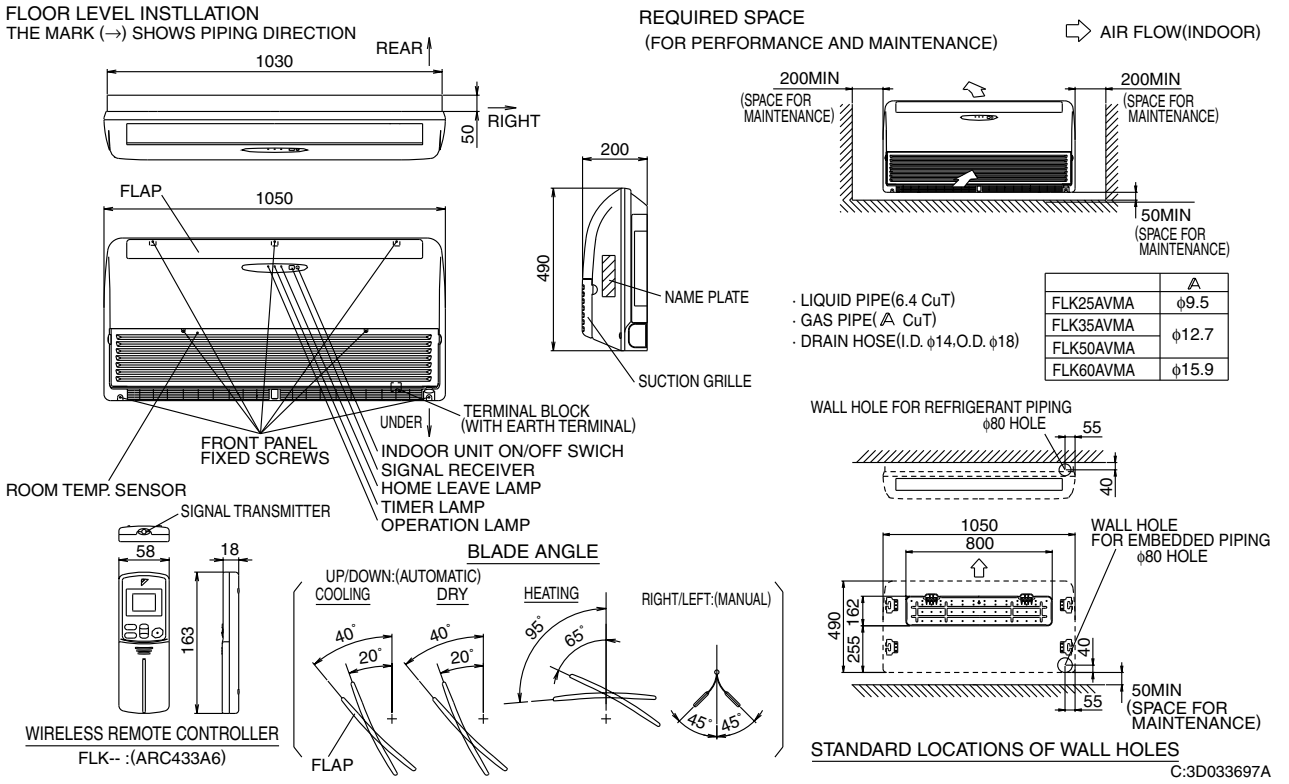
4.1.3 Floor / Ceiling Suspended Dual Type

FLK25AVMA, FLK35AVMA, FLK50AVMA8, FLK60AVMA8 (In Case of Ceiling)



	A
FLK25AVMA	ϕ9.5
FLK35AVMA	ϕ12.7
FLK50AVMA	
FLK60AVMA	ϕ15.9

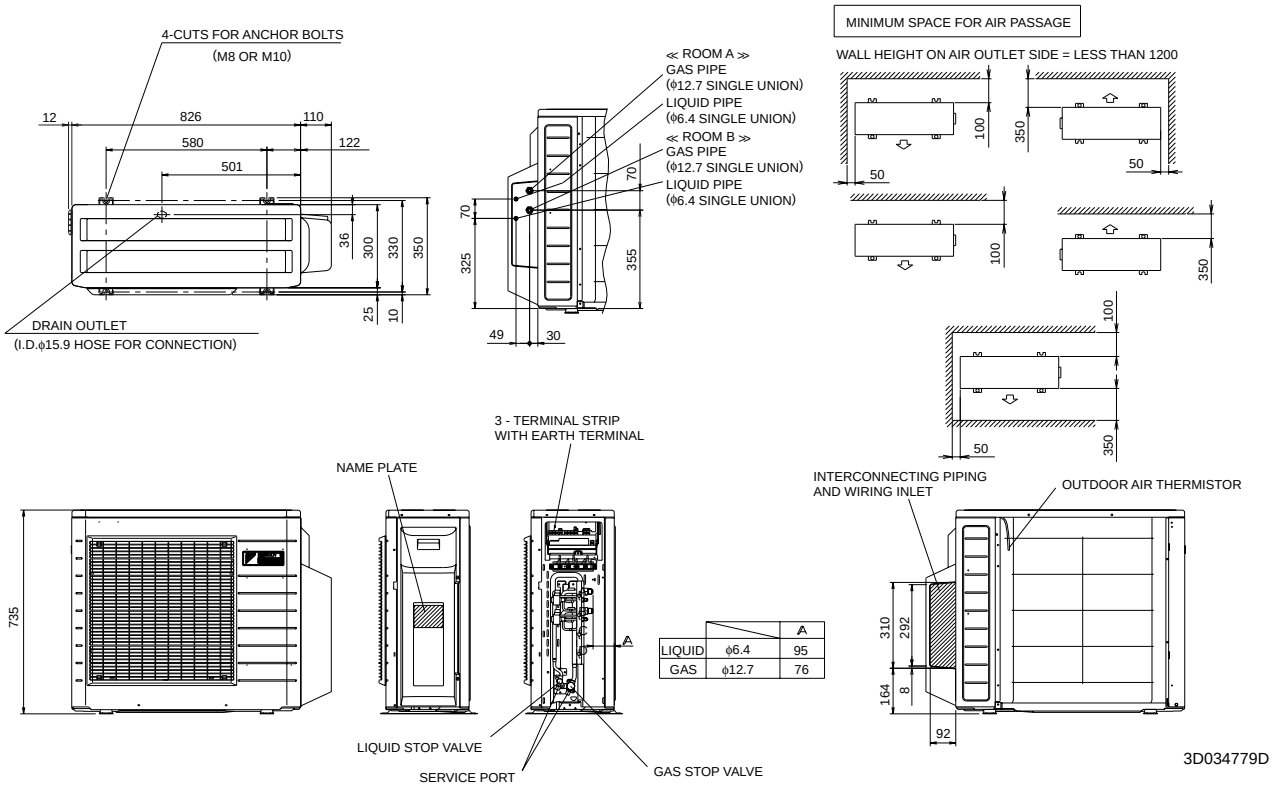
FLK25AVMA, FLK35AVMA, FLK50AVMA8, FLK60AVMA8 (In Case of Floor)



	A
FLK25AVMA	ϕ9.5
FLK35AVMA	ϕ12.7
FLK50AVMA	
FLK60AVMA	ϕ15.9

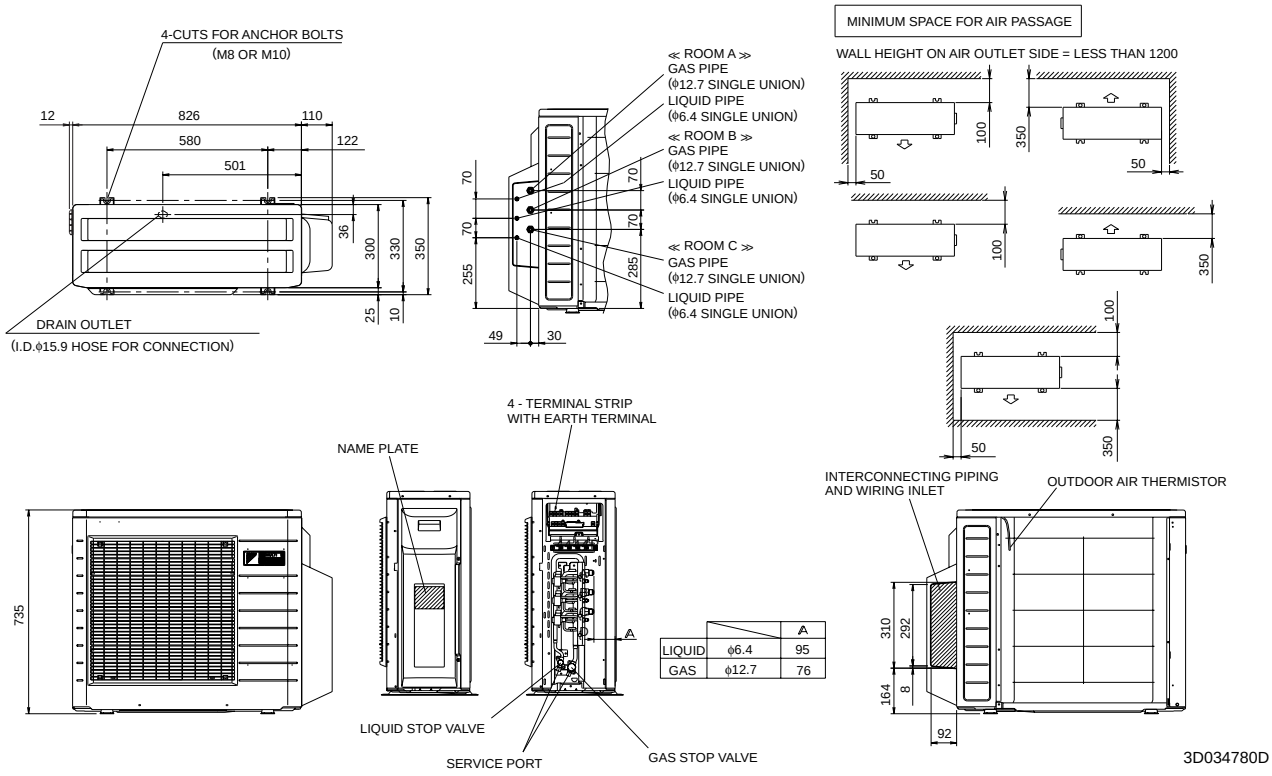
4.2 Outdoor Units

2MKD58DVM



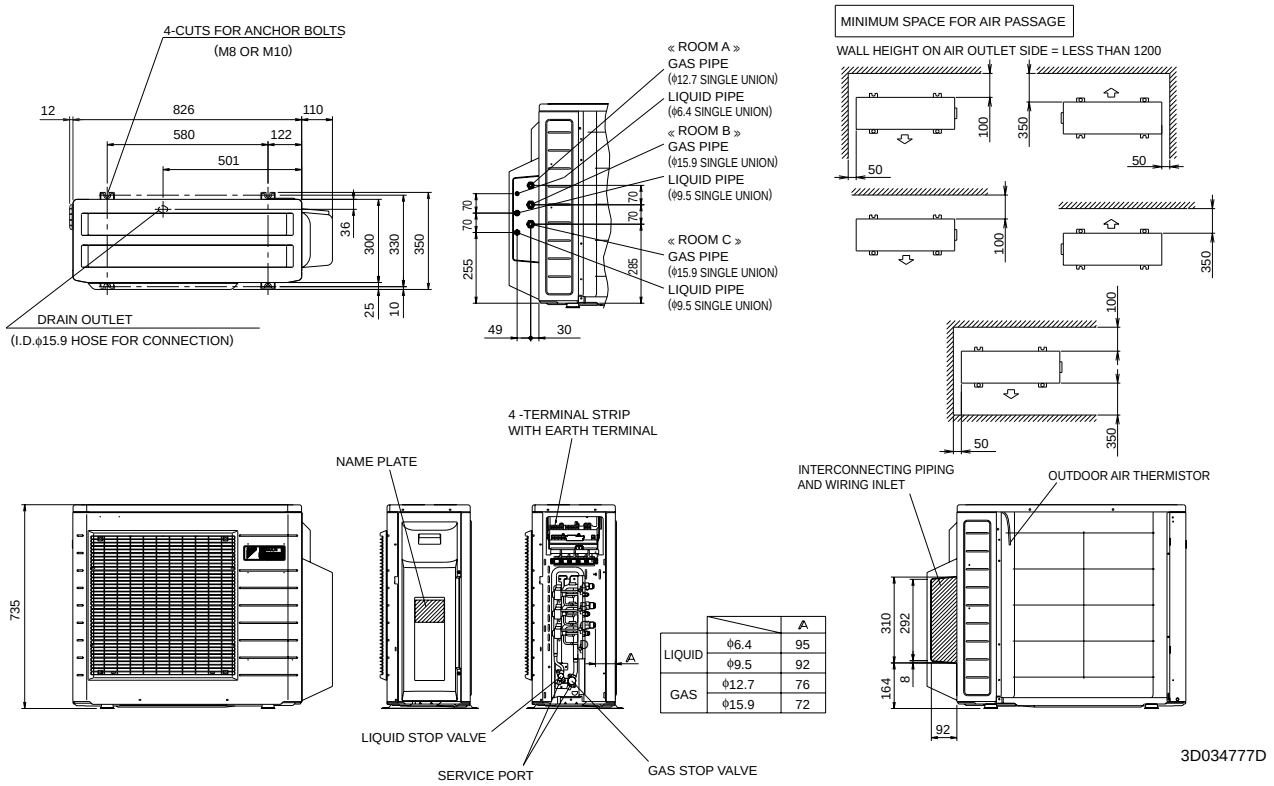
		A
LIQUID	φ6.4	95
GAS	φ12.7	76

3MKD58DVM



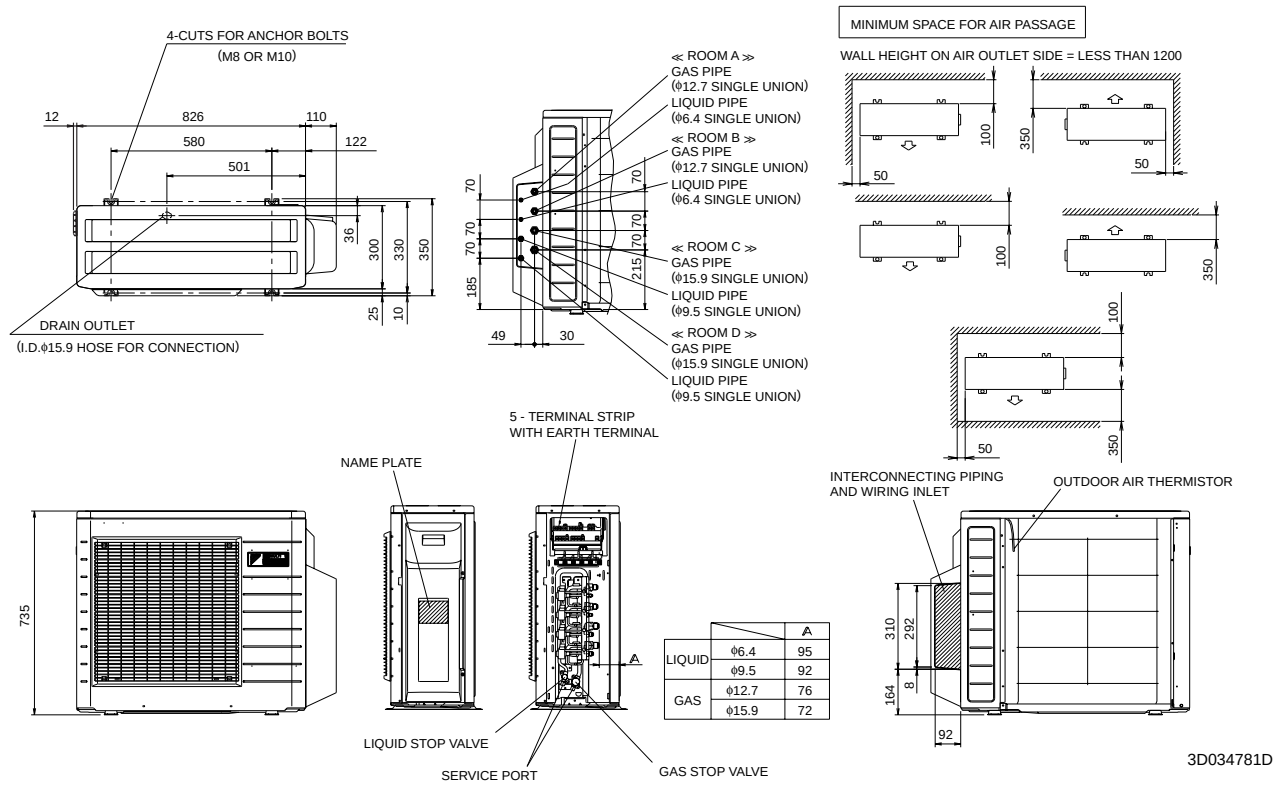
		A
LIQUID	φ6.4	95
GAS	φ12.7	76

3MKD75DVM



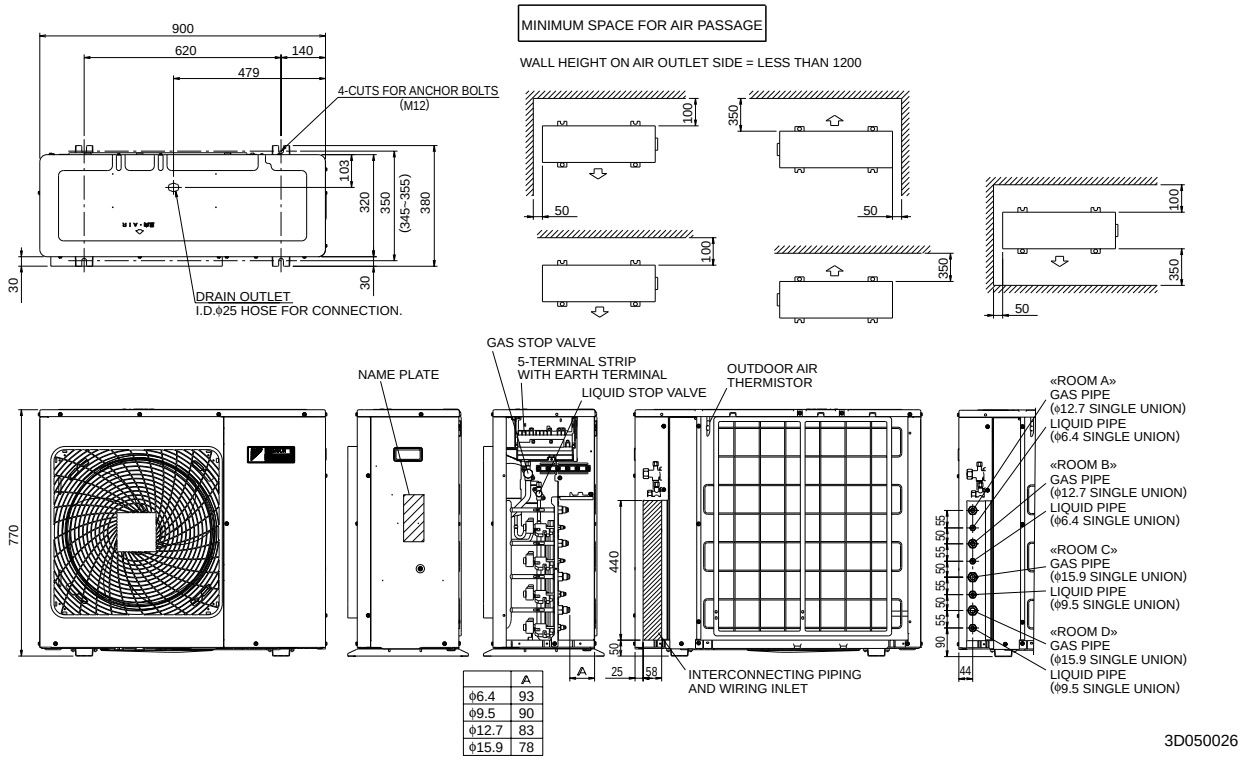
		A
LIQUID	φ6.4	95
	φ9.5	92
GAS	φ12.7	76
	φ15.9	72

4MKD75DVM



		A
LIQUID	φ6.4	95
	φ9.5	92
GAS	φ12.7	76
	φ15.9	72

4MKD100DVM



	A
φ6.4	93
φ9.5	90
φ12.7	83
φ15.9	78

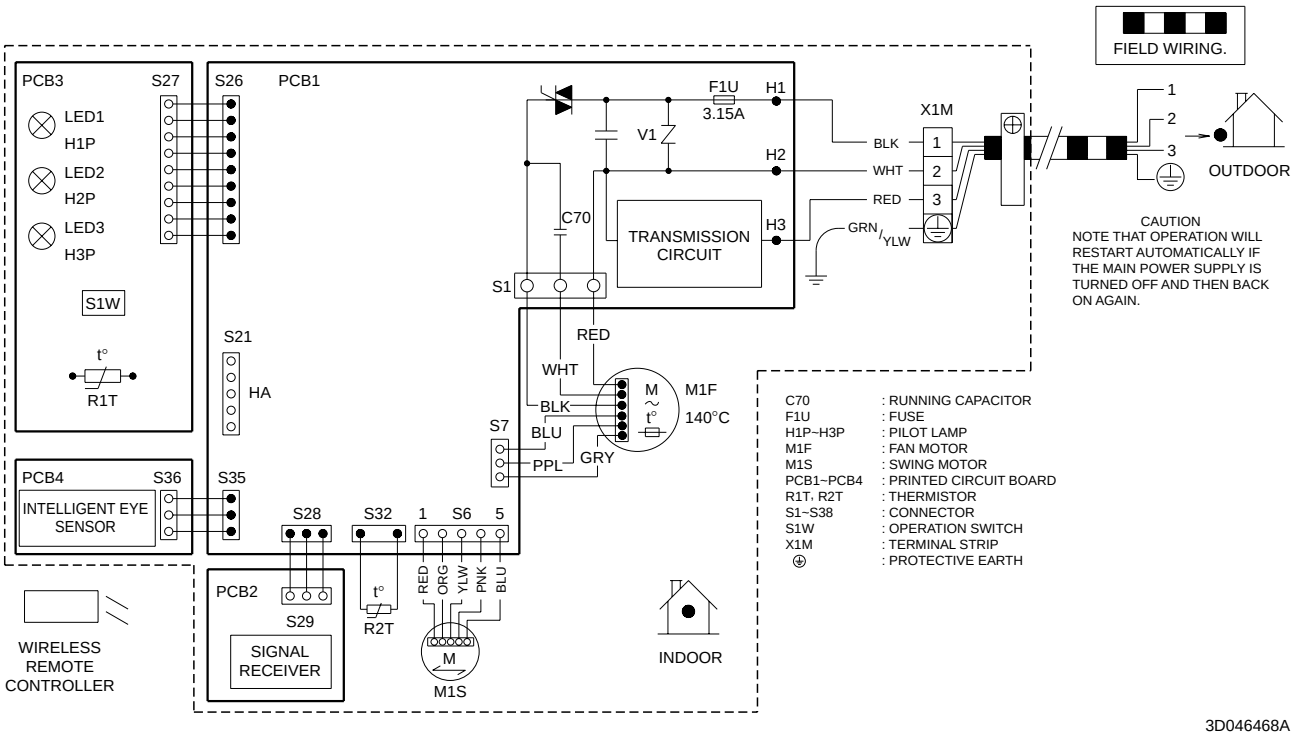
5. Wiring Diagrams

5.1 Indoor Units

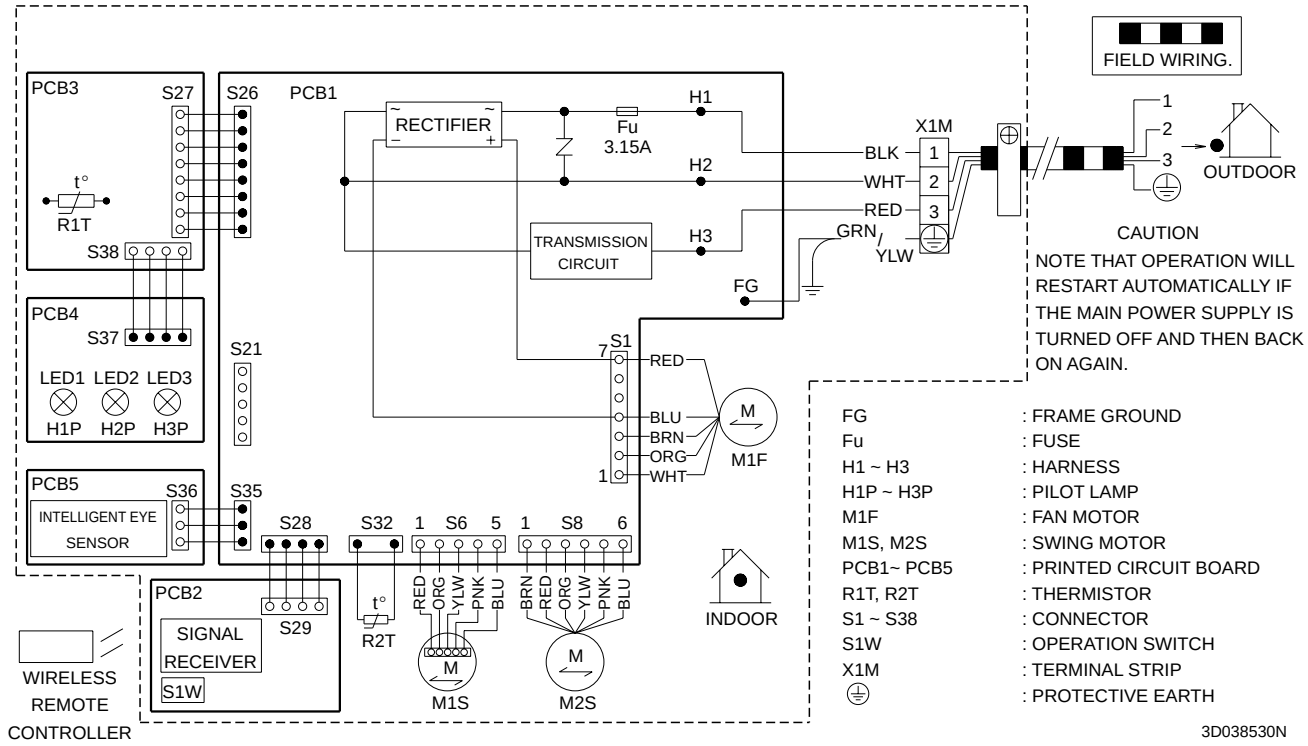
5.1.1 Wall Mounted Type

2

FTKD25DVM, FTKD35DVM

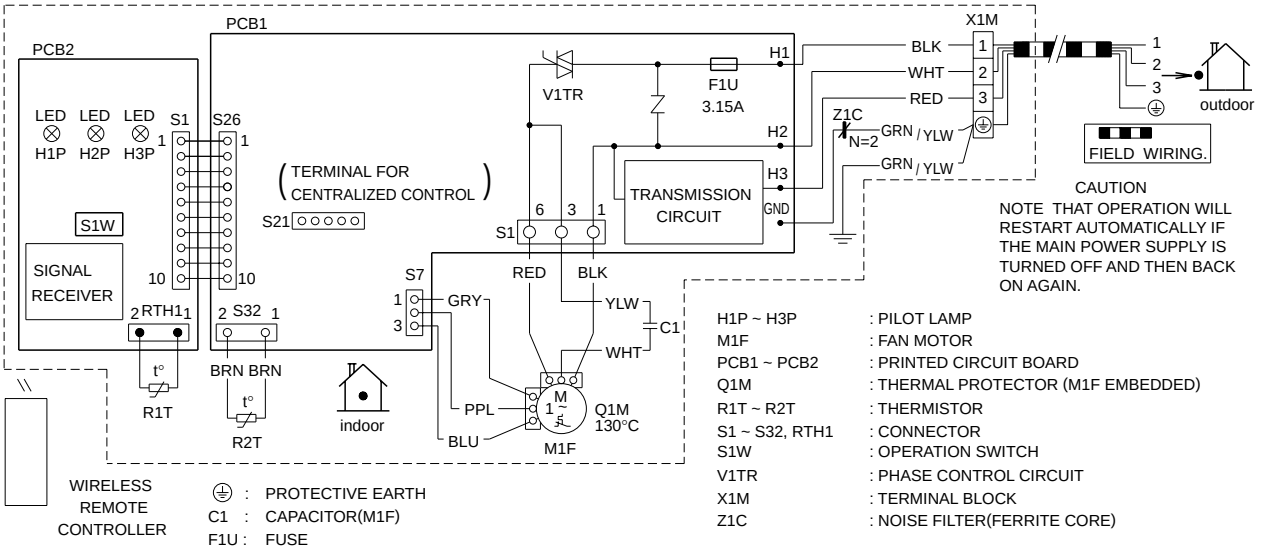


FTKD50FVM, FTKD60FVM, FTKD71FVM



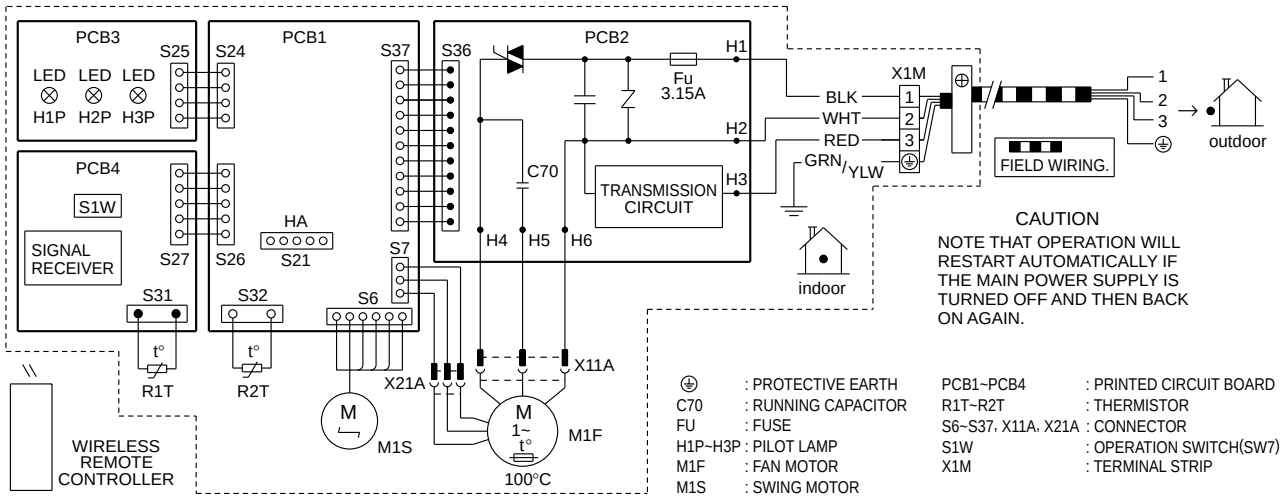
5.1.2 Duct Connected Type

CDKD25CVM, CDKD35CVM, CDKD50CVM, CDKD60CVM, CDKD25EAVM, CDKD35EAVM



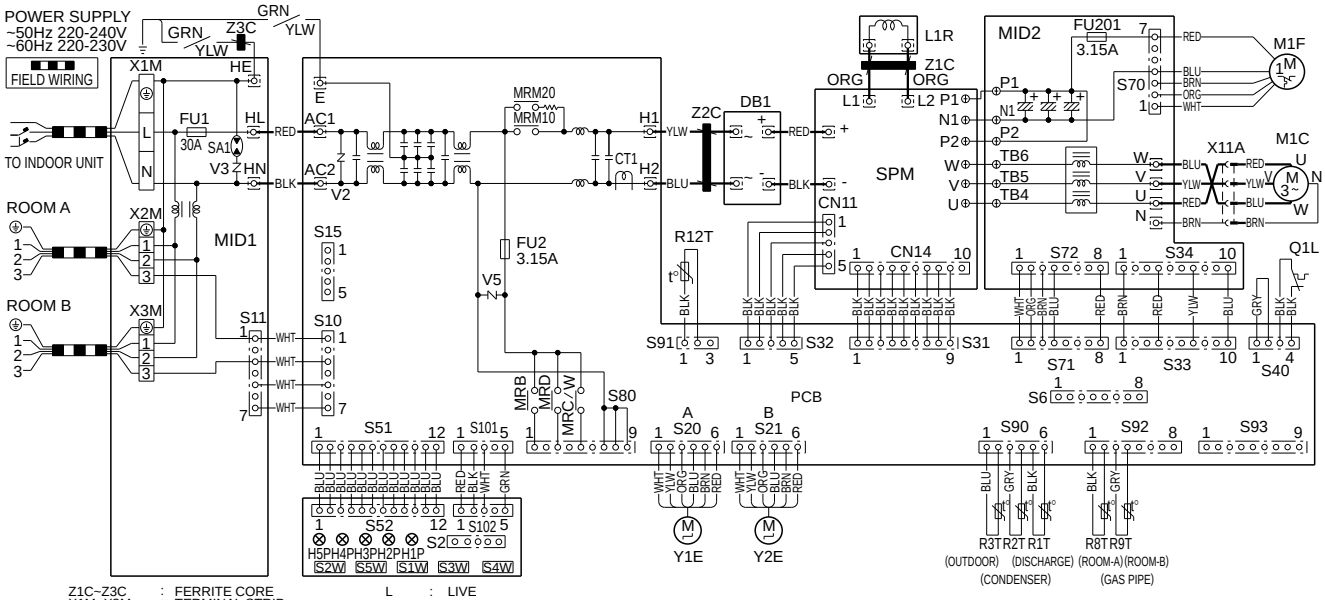
5.1.3 Floor / Ceiling Suspended Dual Type

FLK25AVMA, FLK35AVMA, FLK50AVMA8, FLK60AVMA8

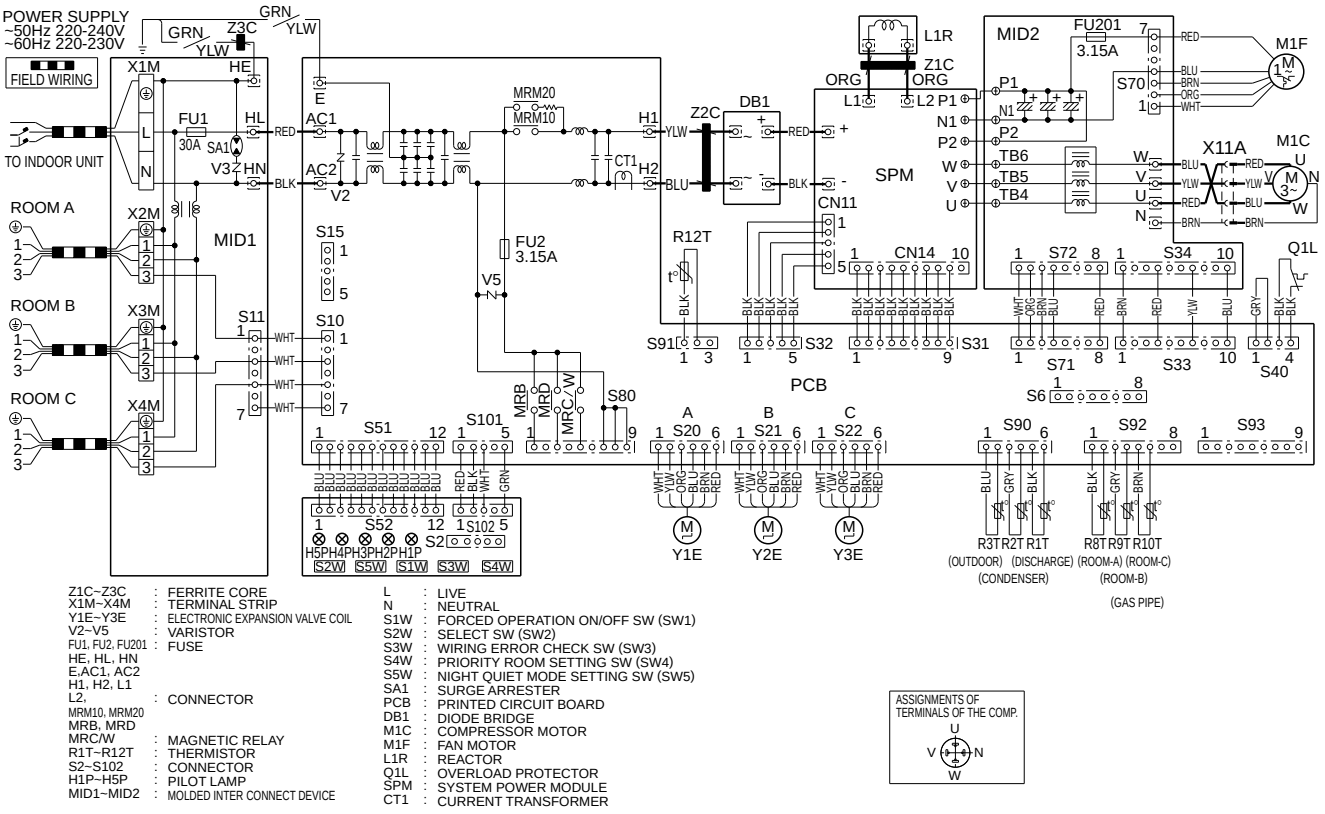


5.2 Outdoor Units

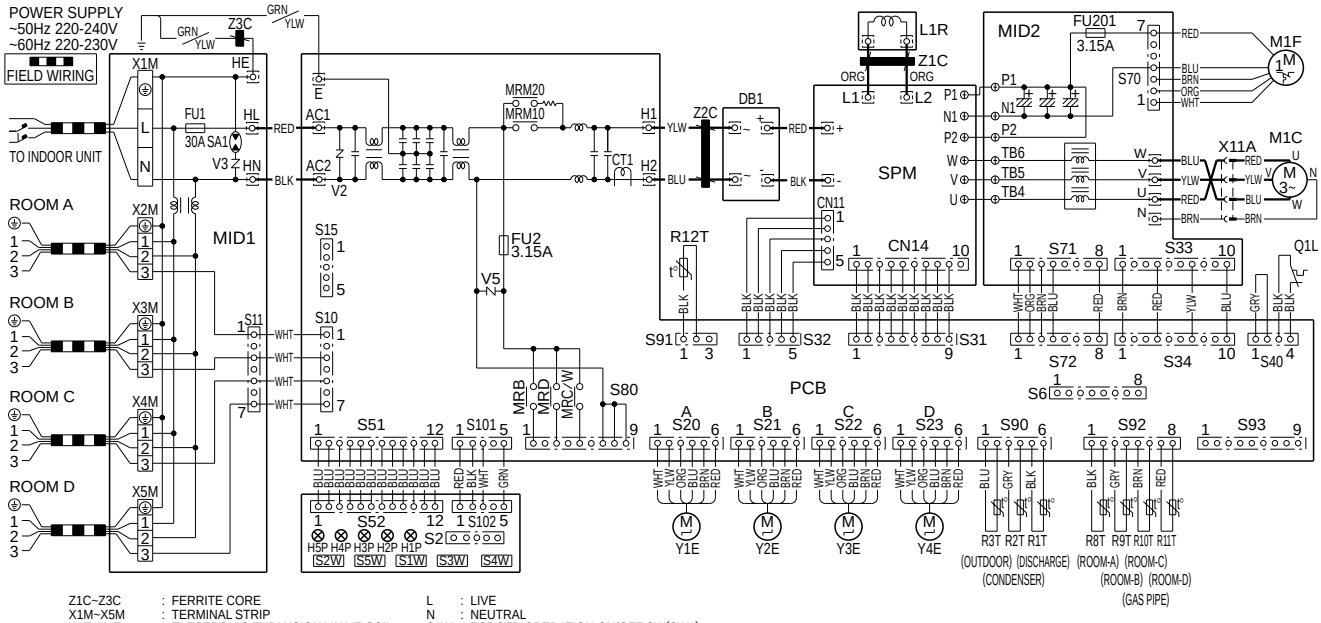
2MKD58DVM



3MKD58DVM, 3MKD75DVM



4MKD75DVM, 4MKD100DVM



Z1C~Z3C	: FERRITE CORE	L	: LIVE
X1M~X5M	: TERMINAL STRIP	N	: NEUTRAL
Y1E~Y4E	: ELECTRONIC EXPANSION VALVE COIL	S1W	: FORCED OPERATION ON/OFF SW(SW1)
V2~V5	: VARISTOR	S2W	: SELECT SW(SW2)
FU1,FU2.FU201	: FUSE	S3W	: WIRING ERROR CHECK SW(SW3)
HE, HL, HN		S4W	: PRIORITY ROOM SETTING SW(SW4)
E, AC1, AC2		S5W	: NIGHT QUIET MODE SETTING SW(SW5)
H1, H2, L1		SA1	: SURGE ARRESTER
L2,	: CONNECTOR	PCB	: PRINTED CIRCUIT BOARD
MRM10, MRM20		DB1	: DIODE BRIDGE
MRB, MRD		M1C	: COMPRESSOR MOTOR
MRC/W	: MAGNETIC RELAY	M1F	: FAN MOTOR
R1T~R12T	: THERMISTOR	L1R	: REACTOR
S2~S102	: CONNECTOR	Q1L	: OVERLOAD PROTECTOR
H1P~H5P	: PILOT LAMP	SPM	: SYSTEM POWER MODULE
MID1~MID2	: MOLDED INTER CONNECT DEVICE	CT1	: CURRENT TRANSFORMER

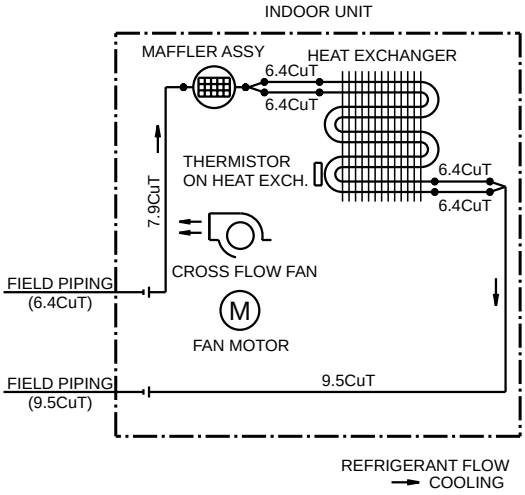
3D034848F

6. Piping Diagrams

6.1 Indoor Units

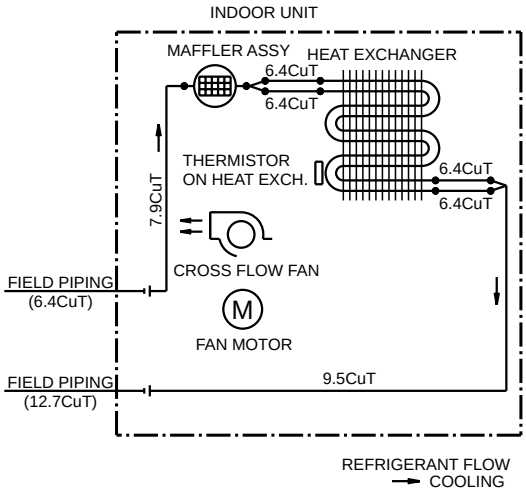
6.1.1 Wall Mounted Type

FTKD25DVM



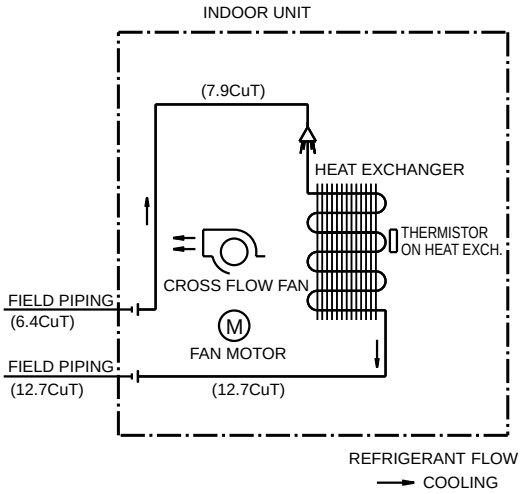
4D051578B

FTKD35DVM



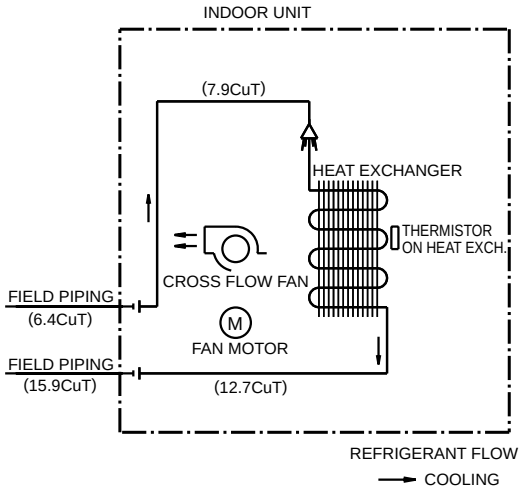
4D051579B

FTKD50FVM



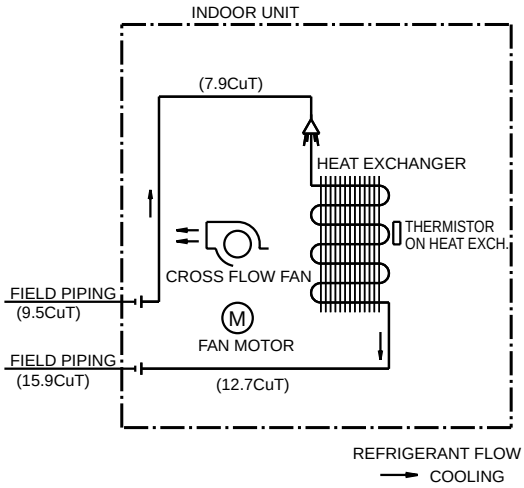
4D054932A

FTKD60FVM



4D050919E

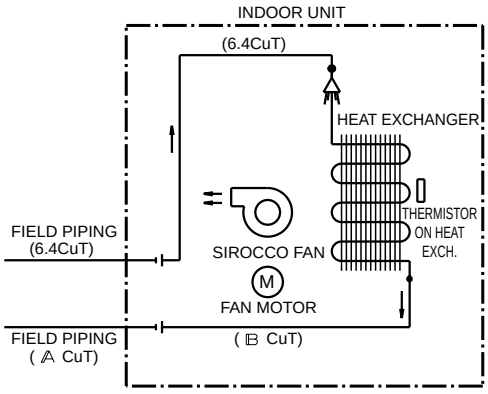
FTKD71FVM



4D053131A

6.1.2 Duct Connected Type

CDKD25CVM, CDKD35CVM, CDKD50CVM, CDKD60CVM, CDKD25EAVM, CDKD35EAVM

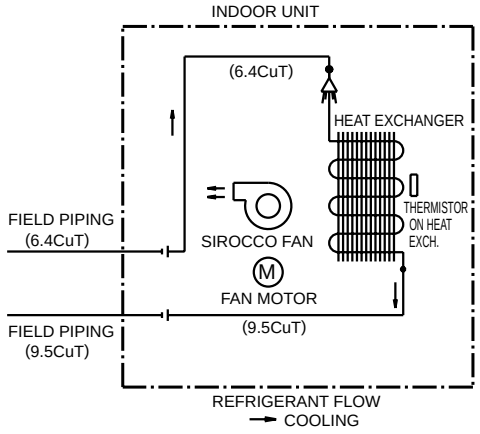


		A	B
CDKD25CVM	CDKD25EAVM	9.5	9.5
CDKD35CVM CDKD50CVM	CDKD35EAVM	12.7	12.7
CDKD60CVM		15.9	15.9

C : 4D045450B

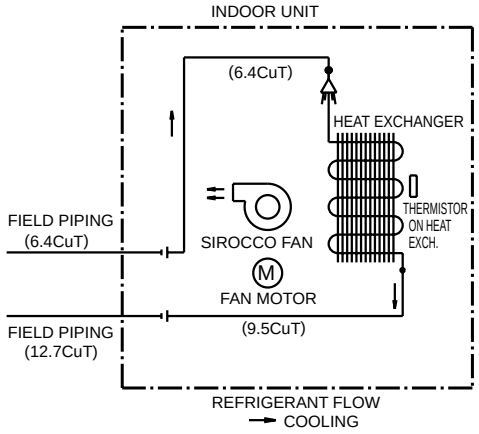
6.1.3 Floor / Ceiling Suspended Dual Type

FLK25AVMA



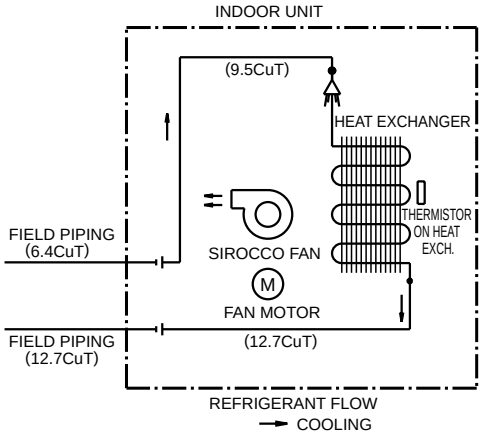
4D048730

FLK35AVMA



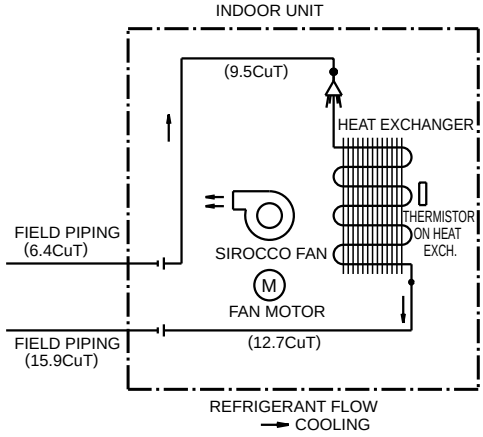
4D048731

FLK50AVMA8



4D048732

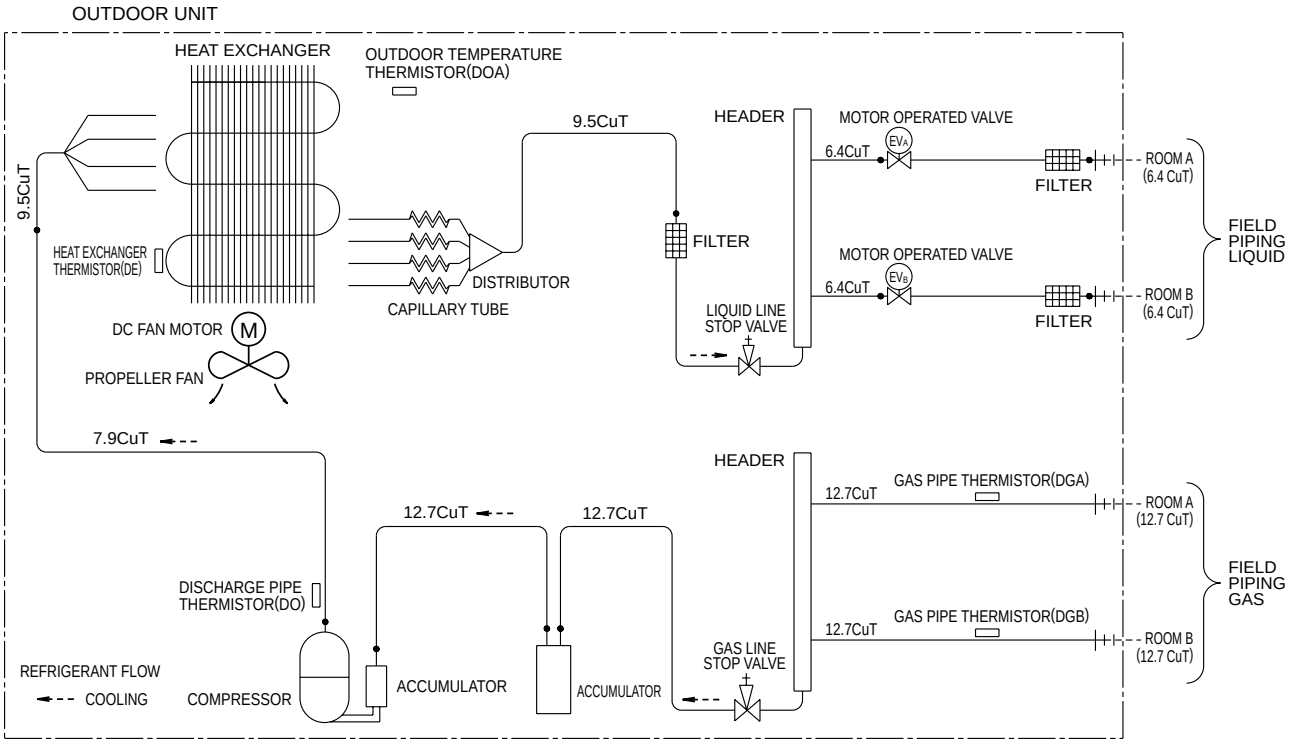
FLK60AVMA8



4D048733

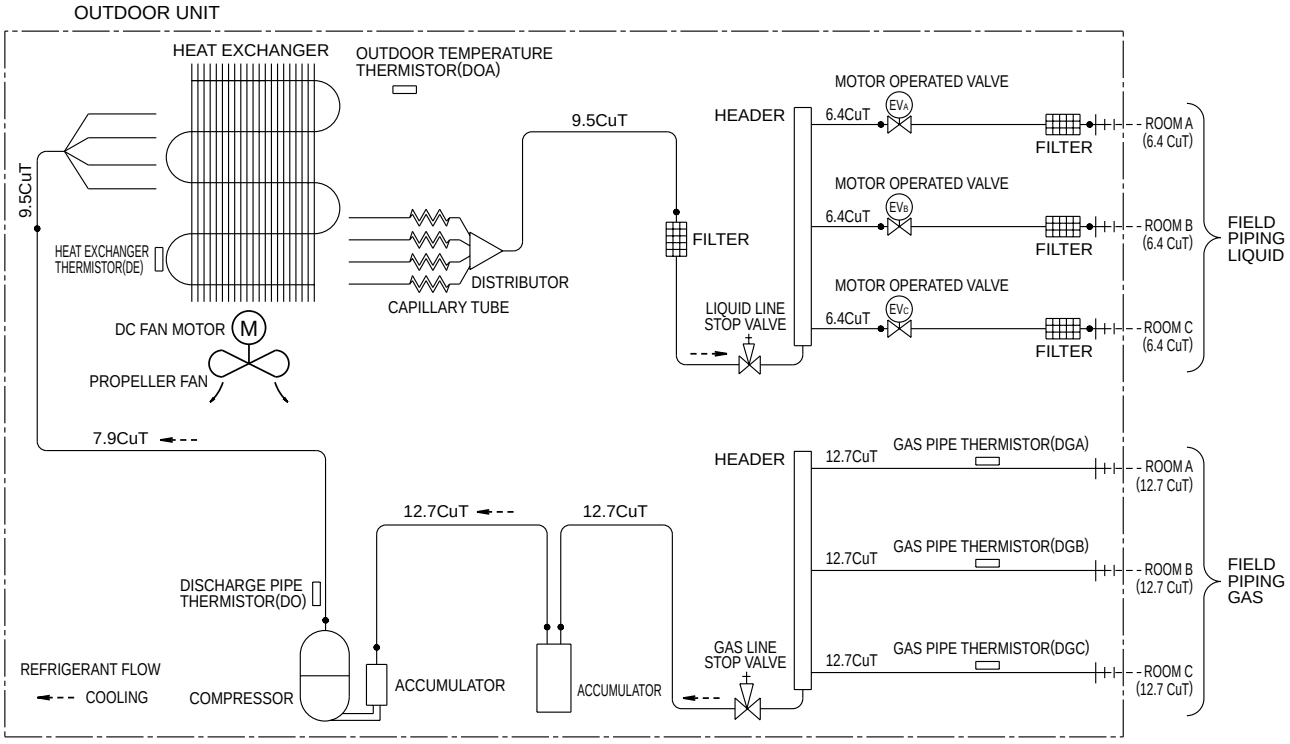
6.2 Outdoor Units

2MKD58DVM



3D036222B

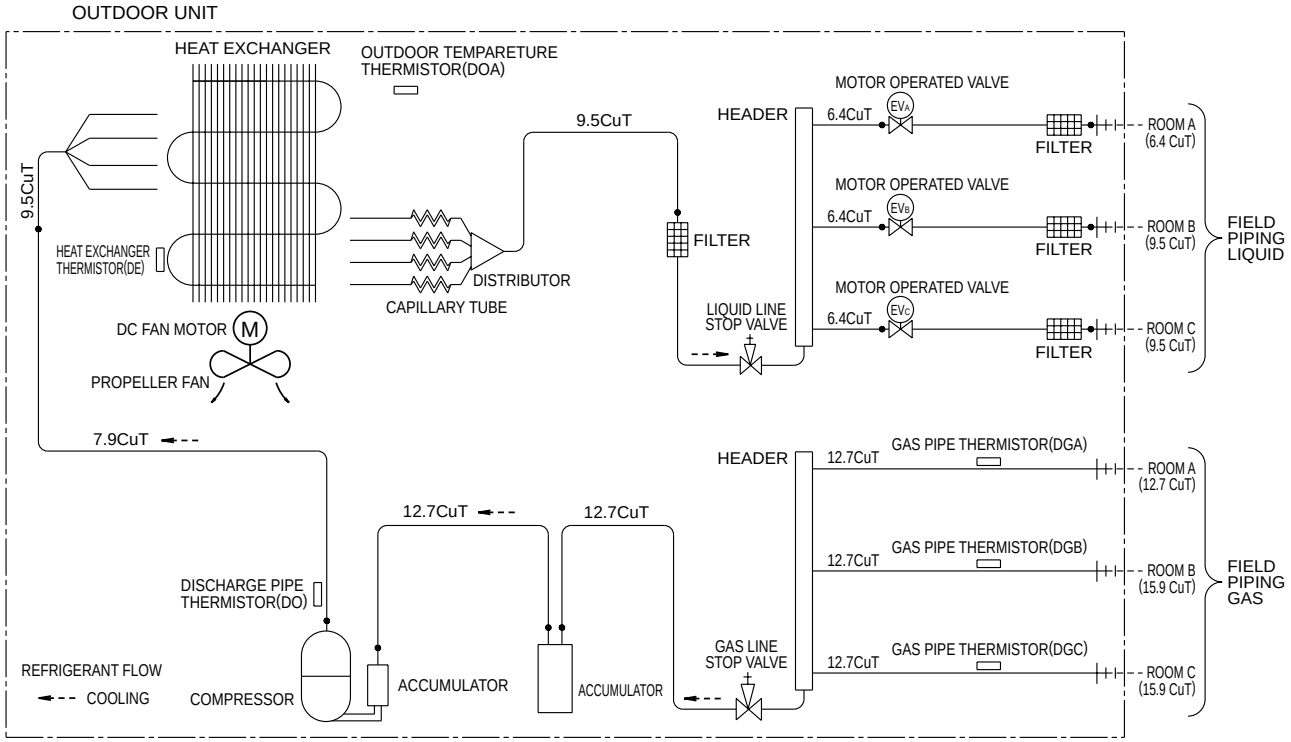
3MKD58DVM



3D036221B

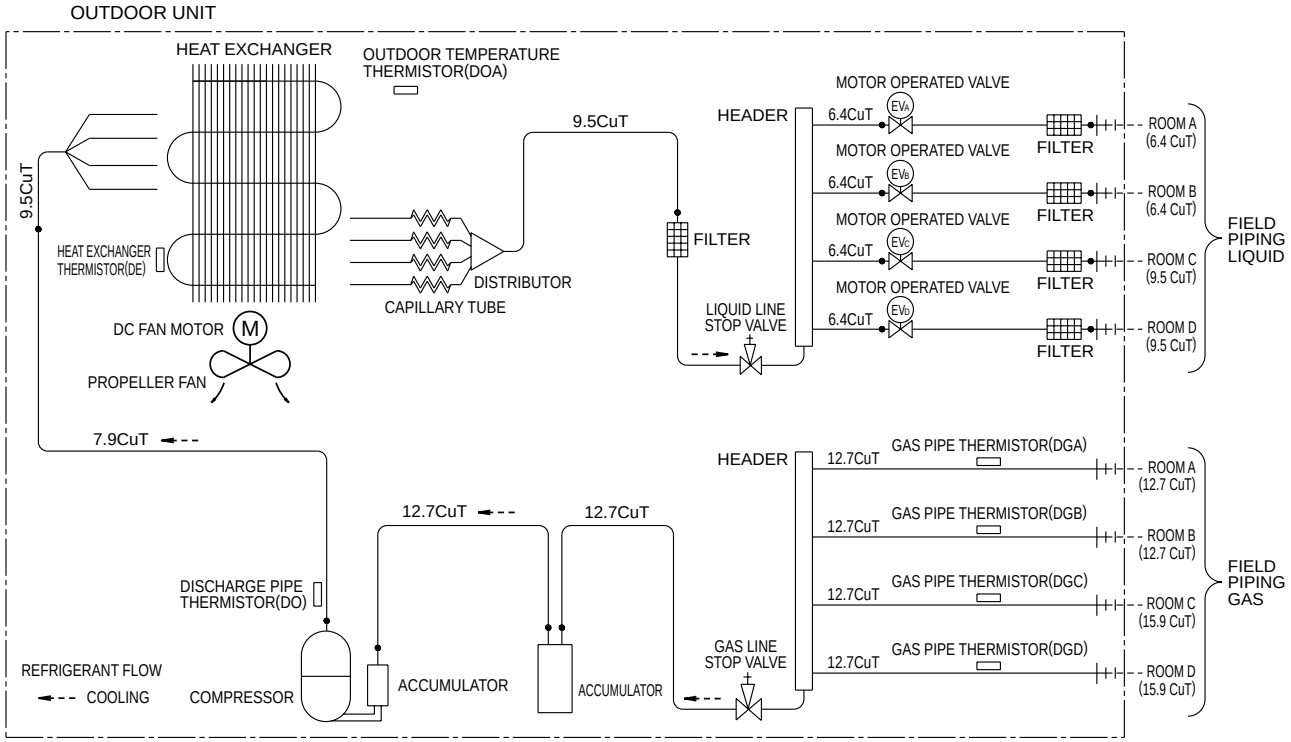
2

3MKD75DVM



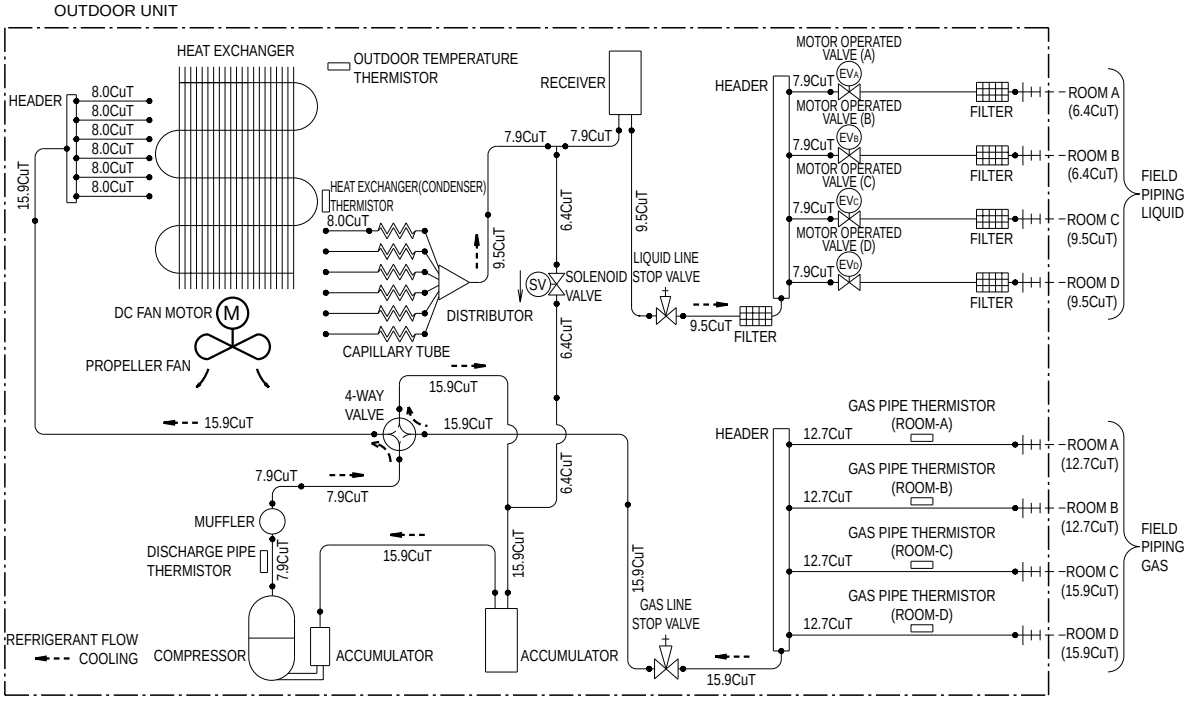
3D036220B

4MKD75DVM



3D036219B

4MKD100DVM


OUTDOOR UNIT
HEAT EXCHANGER
OUTDOOR TEMPERATURE THERMISTOR
RECEIVER
HEADER
8.0CuT
15.9CuT
HEAT EXCHANGER(CONDENSER) THERMISTOR
7.9CuT
6.4CuT
9.5CuT
SOLENOID VALVE
SV
DISTRIBUTOR
CAPILLARY TUBE
DC FAN MOTOR
M
PROPELLER FAN
4-WAY VALVE
LIQUID LINE STOP VALVE
FILTER
MOTOR OPERATED VALVE (A)
MOTOR OPERATED VALVE (B)
MOTOR OPERATED VALVE (C)
MOTOR OPERATED VALVE (D)
EVA
EVB
EVC
EVD
ROOM A (6.4CuT)
ROOM B (6.4CuT)
ROOM C (9.5CuT)
ROOM D (9.5CuT)
FIELD PIPING LIQUID
GAS PIPE THERMISTOR (ROOM-A)
GAS PIPE THERMISTOR (ROOM-B)
GAS PIPE THERMISTOR (ROOM-C)
GAS PIPE THERMISTOR (ROOM-D)
12.7CuT
ROOM A (12.7CuT)
ROOM B (12.7CuT)
ROOM C (15.9CuT)
ROOM D (15.9CuT)
FIELD PIPING GAS
MUFFLER
DISCHARGE PIPE THERMISTOR
GAS LINE STOP VALVE
REFRIGERANT FLOW
COOLING
COMPRESSOR
ACCUMULATOR
3D050027

7. Capacity Tables

7.1 Total Capacity

7.1.1 2MKD58DVM

[Cooling Capacity 50/60Hz 220V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.81	3.67	0.93	3.74	0.94	3.98	0.97	4.13	0.98
	25.0	2.63	0.69	3.23	0.87	3.57	0.96	3.65	0.97	3.88	1.00	4.04	1.02
	32.0	2.63	0.82	3.20	1.03	3.36	1.04	3.43	1.05	3.66	1.08	3.82	1.10
	35.0	2.63	0.89	3.11	1.06	3.26	1.08	3.34	1.09	3.57	1.12	3.72	1.13
	40.0	2.63	1.02	2.95	1.13	3.11	1.15	3.18	1.16	3.42	1.18	3.57	1.20
	43.0	2.63	1.11	2.86	1.17	3.01	1.19	3.09	1.20	3.32	1.23	3.48	1.24
	46.0	2.61	1.20	2.77	1.22	2.92	1.24	3.00	1.24	3.23	1.27	3.38	1.29
3.5	22.0	3.00	0.80	3.68	1.02	4.42	1.28	4.64	1.35	4.93	1.39	5.12	1.42
	25.0	3.00	0.86	3.68	1.10	4.42	1.38	4.53	1.40	4.81	1.44	5.00	1.46
	32.0	3.00	1.02	3.68	1.31	4.16	1.50	4.26	1.52	4.54	1.55	4.73	1.58
	35.0	3.00	1.11	3.68	1.43	4.04	1.56	4.14	1.57	4.43	1.61	4.62	1.63
	40.0	3.00	1.27	3.66	1.63	3.85	1.66	3.95	1.67	4.23	1.71	4.42	1.73
	43.0	3.00	1.39	3.55	1.69	3.74	1.72	3.83	1.73	4.12	1.77	4.31	1.79
	46.0	3.00	1.52	3.43	1.76	3.62	1.78	3.72	1.79	4.00	1.83	4.19	1.86
5.0	22.0	4.33	1.12	5.32	1.46	6.26	1.83	6.39	1.84	6.78	1.90	7.05	1.93
	25.0	4.33	1.20	5.32	1.58	6.10	1.89	6.23	1.91	6.62	1.96	6.89	1.99
	32.0	4.33	1.44	5.32	1.92	5.73	2.05	5.86	2.07	6.25	2.12	6.52	2.15
	35.0	4.33	1.57	5.31	2.09	5.57	2.13	5.70	2.14	6.09	2.19	6.36	2.23
	40.0	4.33	1.82	5.04	2.22	5.30	2.26	5.43	2.27	5.83	2.33	6.09	2.36
	43.0	4.33	2.01	4.88	2.31	5.14	2.34	5.28	2.36	5.67	2.41	5.93	2.44
	46.0	4.20	1.99	4.41	1.99	4.61	1.99	4.71	1.99	4.99	1.99	5.18	1.99
2.5+2.5	22.0	5.26	1.37	6.46	1.83	6.92	1.96	7.06	1.97	7.50	2.03	7.79	2.07
	25.0	5.26	1.48	6.45	1.99	6.74	2.02	6.89	2.04	7.32	2.10	7.61	2.13
	32.0	5.26	1.80	6.04	2.16	6.33	2.19	6.48	2.21	6.91	2.27	7.20	2.30
	35.0	5.26	1.97	5.86	2.24	6.15	2.27	6.30	2.29	6.74	2.35	7.03	2.38
	40.0	5.26	2.32	5.57	2.38	5.86	2.41	6.01	2.43	6.44	2.49	6.73	2.52
	43.0	5.11	2.43	5.40	2.47	5.69	2.50	5.83	2.52	6.23	2.53	6.48	2.53
	46.0	4.52	1.99	4.73	1.99	4.94	1.99	5.05	1.99	5.35	1.99	5.54	1.99
2.5+3.5	22.0	5.63	1.47	6.91	1.98	7.26	2.04	7.41	2.06	7.87	2.12	8.17	2.16
	25.0	5.63	1.59	6.77	2.07	7.07	2.11	7.23	2.13	7.68	2.19	7.99	2.23
	32.0	5.63	1.94	6.34	2.25	6.64	2.29	6.79	2.31	7.25	2.37	7.56	2.41
	35.0	5.63	2.13	6.15	2.34	6.46	2.37	6.61	2.39	7.07	2.45	7.37	2.49
	40.0	5.54	2.44	5.85	2.48	6.15	2.52	6.30	2.54	6.76	2.60	7.06	2.63
	43.0	5.35	2.53	5.63	2.53	5.90	2.53	6.04	2.53	6.43	2.53	6.68	2.53
	46.0	4.67	1.99	4.89	1.99	5.10	1.99	5.21	1.99	5.51	1.99	5.71	1.99
2.5+5.0	22.0	6.75	1.92	7.06	1.96	7.37	2.00	7.52	2.02	7.99	2.07	8.30	2.11
	25.0	6.56	1.99	6.87	2.03	7.18	2.07	7.33	2.09	7.80	2.14	8.11	2.18
	32.0	6.12	2.17	6.43	2.21	6.74	2.24	6.90	2.26	7.36	2.32	7.67	2.35
	35.0	5.94	2.25	6.25	2.29	6.56	2.32	6.71	2.34	7.17	2.40	7.48	2.44
	40.0	5.62	2.39	5.93	2.43	6.24	2.47	6.40	2.49	6.86	2.54	7.17	2.58
	43.0	5.44	2.48	5.75	2.52	6.03	2.53	6.17	2.53	6.57	2.53	6.83	2.53
	46.0	4.75	1.99	4.97	1.99	5.19	1.99	5.30	1.99	5.61	1.99	5.81	1.99
3.5+3.5	22.0	6.00	1.60	7.04	2.00	7.35	2.04	7.50	2.06	7.96	2.12	8.27	2.16
	25.0	6.00	1.74	6.85	2.07	7.16	2.11	7.31	2.13	7.78	2.19	8.08	2.23
	32.0	6.00	2.14	6.41	2.25	6.72	2.29	6.88	2.31	7.34	2.37	7.65	2.41
	35.0	5.92	2.30	6.23	2.34	6.54	2.37	6.69	2.39	7.15	2.45	7.46	2.49
	40.0	5.61	2.44	5.92	2.48	6.22	2.52	6.38	2.54	6.84	2.60	7.15	2.63
	43.0	5.42	2.53	5.70	2.53	5.97	2.53	6.11	2.53	6.51	2.53	6.76	2.53
	46.0	4.72	1.99	4.94	1.99	5.15	1.99	5.26	1.99	5.57	1.99	5.77	1.99
3.5+5.0	22.0	6.83	1.93	7.14	1.97	7.46	2.01	7.61	2.03	8.08	2.08	8.39	2.12
	25.0	6.64	2.00	6.95	2.04	7.27	2.08	7.42	2.09	7.89	2.15	8.20	2.19
	32.0	6.20	2.18	6.51	2.21	6.82	2.25	6.98	2.27	7.45	2.33	7.76	2.36
	35.0	6.01	2.26	6.32	2.30	6.63	2.33	6.79	2.35	7.26	2.41	7.57	2.45
	40.0	5.69	2.40	6.00	2.44	6.32	2.48	6.47	2.50	6.94	2.55	7.26	2.59
	43.0	5.50	2.49	5.81	2.53	6.10	2.53	6.23	2.53	6.64	2.53	6.90	2.53
	46.0	4.80	1.99	5.02	1.99	5.24	1.99	5.34	1.99	5.66	1.99	5.86	1.99

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
5.0+5.0	22.0	6.94	1.74	7.26	1.78	7.58	1.81	7.74	1.83	8.21	1.88	8.53	1.91
	25.0	6.75	1.80	7.07	1.84	7.38	1.87	7.54	1.89	8.02	1.94	8.34	1.97
	32.0	6.30	1.96	6.62	2.00	6.93	2.03	7.09	2.05	7.57	2.10	7.89	2.13
	35.0	6.11	2.04	6.42	2.07	6.74	2.11	6.90	2.12	7.38	2.17	7.69	2.21
	40.0	5.78	2.17	6.10	2.20	6.42	2.24	6.58	2.25	7.06	2.30	7.37	2.34
	43.0	5.59	2.25	5.91	2.28	6.23	2.32	6.39	2.33	6.86	2.39	7.18	2.42
	46.0	5.01	1.99	5.25	1.99	5.49	1.99	5.60	1.99	5.94	1.99	6.16	1.99

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0kW class; wall mounted F series

3D050158#1

[Cooling Capacity 50/60Hz 230V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.81	3.67	0.93	3.74	0.94	3.98	0.97	4.13	0.98
	25.0	2.63	0.69	3.23	0.87	3.57	0.96	3.65	0.97	3.88	1.00	4.04	1.02
	32.0	2.63	0.82	3.20	1.03	3.36	1.04	3.43	1.05	3.66	1.08	3.82	1.10
	35.0	2.63	0.89	3.11	1.06	3.26	1.08	3.34	1.09	3.57	1.12	3.72	1.13
	40.0	2.63	1.02	2.95	1.13	3.11	1.15	3.18	1.16	3.42	1.18	3.57	1.20
	43.0	2.63	1.11	2.86	1.17	3.01	1.19	3.09	1.20	3.32	1.23	3.48	1.24
	46.0	2.61	1.20	2.77	1.22	2.92	1.24	3.00	1.24	3.23	1.27	3.38	1.29
3.5	22.0	3.00	0.80	3.68	1.02	4.42	1.28	4.64	1.35	4.93	1.39	5.12	1.42
	25.0	3.00	0.86	3.68	1.10	4.42	1.38	4.53	1.40	4.81	1.44	5.00	1.46
	32.0	3.00	1.02	3.68	1.31	4.16	1.50	4.26	1.52	4.54	1.55	4.73	1.58
	35.0	3.00	1.11	3.68	1.43	4.04	1.56	4.14	1.57	4.43	1.61	4.62	1.63
	40.0	3.00	1.27	3.66	1.63	3.85	1.66	3.95	1.67	4.23	1.71	4.42	1.73
	43.0	3.00	1.39	3.55	1.69	3.74	1.72	3.83	1.73	4.12	1.77	4.31	1.79
	46.0	3.00	1.52	3.43	1.76	3.62	1.78	3.72	1.79	4.00	1.83	4.19	1.86
5.0	22.0	4.33	1.12	5.32	1.46	6.26	1.83	6.39	1.84	6.78	1.90	7.05	1.93
	25.0	4.33	1.20	5.32	1.58	6.10	1.89	6.23	1.91	6.62	1.96	6.89	1.99
	32.0	4.33	1.44	5.32	1.92	5.73	2.05	5.86	2.07	6.25	2.12	6.52	2.15
	35.0	4.33	1.57	5.31	2.09	5.57	2.13	5.70	2.14	6.09	2.19	6.36	2.23
	40.0	4.33	1.82	5.04	2.22	5.30	2.26	5.43	2.27	5.83	2.33	6.09	2.36
	43.0	4.33	2.01	4.88	2.31	5.14	2.34	5.28	2.36	5.67	2.41	5.93	2.44
	46.0	4.28	2.08	4.49	2.08	4.70	2.08	4.81	2.08	5.11	2.08	5.31	2.08
2.5+2.5	22.0	5.26	1.37	6.46	1.83	6.92	1.96	7.06	1.97	7.50	2.03	7.79	2.07
	25.0	5.26	1.48	6.45	1.99	6.74	2.02	6.89	2.04	7.32	2.10	7.61	2.13
	32.0	5.26	1.80	6.04	2.16	6.33	2.19	6.48	2.21	6.91	2.27	7.20	2.30
	35.0	5.26	1.97	5.86	2.24	6.15	2.27	6.30	2.29	6.74	2.35	7.03	2.38
	40.0	5.26	2.32	5.57	2.38	5.86	2.41	6.01	2.43	6.44	2.49	6.73	2.52
	43.0	5.11	2.43	5.40	2.47	5.69	2.50	5.83	2.52	6.27	2.58	6.56	2.61
	46.0	4.61	2.08	4.84	2.08	5.06	2.08	5.16	2.08	5.48	2.08	5.68	2.08
2.5+3.5	22.0	5.63	1.47	6.91	1.98	7.26	2.04	7.41	2.06	7.87	2.12	8.17	2.16
	25.0	5.63	1.59	6.77	2.07	7.07	2.11	7.23	2.13	7.68	2.19	7.99	2.23
	32.0	5.63	1.94	6.34	2.25	6.64	2.29	6.79	2.31	7.25	2.37	7.56	2.41
	35.0	5.63	2.13	6.15	2.34	6.46	2.37	6.61	2.39	7.07	2.45	7.37	2.49
	40.0	5.54	2.44	5.85	2.48	6.15	2.52	6.30	2.54	6.76	2.60	7.06	2.63
	43.0	5.36	2.54	5.66	2.57	5.97	2.61	6.12	2.63	6.54	2.65	6.81	2.65
	46.0	4.77	2.08	5.00	2.08	5.22	2.08	5.33	2.08	5.65	2.08	5.86	2.08
2.5+5.0	22.0	6.75	1.92	7.06	1.96	7.37	2.00	7.52	2.02	7.99	2.07	8.30	2.11
	25.0	6.56	1.99	6.87	2.03	7.18	2.07	7.33	2.09	7.80	2.14	8.11	2.18
	32.0	6.12	2.17	6.43	2.21	6.74	2.24	6.90	2.26	7.36	2.32	7.67	2.35
	35.0	5.94	2.25	6.25	2.29	6.56	2.32	6.71	2.34	7.17	2.40	7.48	2.44
	40.0	5.62	2.39	5.93	2.43	6.24	2.47	6.40	2.49	6.86	2.54	7.17	2.58
	43.0	5.44	2.48	5.75	2.52	6.06	2.56	6.21	2.58	6.67	2.63	6.96	2.65
	46.0	4.85	2.08	5.09	2.08	5.31	2.08	5.42	2.08	5.75	2.08	5.96	2.08

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+3.5	22.0	6.00	1.60	7.04	2.00	7.35	2.04	7.50	2.06	7.96	2.12	8.27	2.16
	25.0	6.00	1.74	6.85	2.07	7.16	2.11	7.31	2.13	7.78	2.19	8.08	2.23
	32.0	6.00	2.14	6.41	2.25	6.72	2.29	6.88	2.31	7.34	2.37	7.65	2.41
	35.0	5.92	2.30	6.23	2.34	6.54	2.37	6.69	2.39	7.15	2.45	7.46	2.49
	40.0	5.61	2.44	5.92	2.48	6.22	2.52	6.38	2.54	6.84	2.60	7.15	2.63
	43.0	5.42	2.54	5.73	2.57	6.04	2.61	6.19	2.63	6.62	2.65	6.89	2.65
	46.0	4.82	2.08	5.05	2.08	5.27	2.08	5.38	2.08	5.71	2.08	5.92	2.08
3.5+5.0	22.0	6.83	1.93	7.14	1.97	7.46	2.01	7.61	2.03	8.08	2.08	8.39	2.12
	25.0	6.64	2.00	6.95	2.04	7.27	2.08	7.42	2.09	7.89	2.15	8.20	2.19
	32.0	6.20	2.18	6.51	2.21	6.82	2.25	6.98	2.27	7.45	2.33	7.76	2.36
	35.0	6.01	2.26	6.32	2.30	6.63	2.33	6.79	2.35	7.26	2.41	7.57	2.45
	40.0	5.69	2.40	6.00	2.44	6.32	2.48	6.47	2.50	6.94	2.55	7.26	2.59
	43.0	5.50	2.49	5.81	2.53	6.13	2.57	6.28	2.59	6.75	2.64	7.03	2.65
	46.0	4.90	2.08	5.13	2.08	5.36	2.08	5.47	2.08	5.80	2.08	6.02	2.08
5.0+5.0	22.0	6.94	1.74	7.26	1.78	7.58	1.81	7.74	1.83	8.21	1.88	8.53	1.91
	25.0	6.75	1.80	7.07	1.84	7.38	1.87	7.54	1.89	8.02	1.94	8.34	1.97
	32.0	6.30	1.96	6.62	2.00	6.93	2.03	7.09	2.05	7.57	2.10	7.89	2.13
	35.0	6.11	2.04	6.42	2.07	6.74	2.11	6.90	2.12	7.38	2.17	7.69	2.21
	40.0	5.78	2.17	6.10	2.20	6.42	2.24	6.58	2.25	7.06	2.30	7.37	2.34
	43.0	5.59	2.25	5.91	2.28	6.23	2.32	6.39	2.33	6.86	2.39	7.18	2.42
	46.0	5.12	2.08	5.38	2.08	5.62	2.08	5.74	2.08	6.10	2.08	6.33	2.08

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0kW class; wall mounted F series

3D050158#2

[Cooling Capacity 50Hz 240V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.81	3.67	0.93	3.74	0.94	3.98	0.97	4.13	0.98
	25.0	2.63	0.69	3.23	0.87	3.57	0.96	3.65	0.97	3.88	1.00	4.04	1.02
	32.0	2.63	0.82	3.20	1.03	3.36	1.04	3.43	1.05	3.66	1.08	3.82	1.10
	35.0	2.63	0.89	3.11	1.06	3.26	1.08	3.34	1.09	3.57	1.12	3.72	1.13
	40.0	2.63	1.02	2.95	1.13	3.11	1.15	3.18	1.16	3.42	1.18	3.57	1.20
	43.0	2.63	1.11	2.86	1.17	3.01	1.19	3.09	1.20	3.32	1.23	3.48	1.24
	46.0	2.61	1.20	2.77	1.22	2.92	1.24	3.00	1.24	3.23	1.27	3.38	1.29
3.5	22.0	3.00	0.80	3.68	1.02	4.42	1.28	4.64	1.35	4.93	1.39	5.12	1.42
	25.0	3.00	0.86	3.68	1.10	4.42	1.38	4.53	1.40	4.81	1.44	5.00	1.46
	32.0	3.00	1.02	3.68	1.31	4.16	1.50	4.26	1.52	4.54	1.55	4.73	1.58
	35.0	3.00	1.11	3.68	1.43	4.04	1.56	4.14	1.57	4.43	1.61	4.62	1.63
	40.0	3.00	1.27	3.66	1.63	3.85	1.66	3.95	1.67	4.23	1.71	4.42	1.73
	43.0	3.00	1.39	3.55	1.69	3.74	1.72	3.83	1.73	4.12	1.77	4.31	1.79
	46.0	3.00	1.52	3.43	1.76	3.62	1.78	3.72	1.79	4.00	1.83	4.19	1.86
5.0	22.0	4.33	1.12	5.32	1.46	6.26	1.83	6.39	1.84	6.78	1.90	7.05	1.93
	25.0	4.33	1.20	5.32	1.58	6.10	1.89	6.23	1.91	6.62	1.96	6.89	1.99
	32.0	4.33	1.44	5.32	1.92	5.73	2.05	5.86	2.07	6.25	2.12	6.52	2.15
	35.0	4.33	1.57	5.31	2.09	5.57	2.13	5.70	2.14	6.09	2.19	6.36	2.23
	40.0	4.33	1.82	5.04	2.22	5.30	2.26	5.43	2.27	5.83	2.33	6.09	2.36
	43.0	4.33	2.01	4.88	2.31	5.14	2.34	5.28	2.36	5.67	2.41	5.93	2.44
	46.0	4.33	2.17	4.57	2.17	4.79	2.17	4.90	2.17	5.21	2.17	5.42	2.17
2.5+2.5	22.0	5.26	1.37	6.46	1.83	6.92	1.96	7.06	1.97	7.50	2.03	7.79	2.07
	25.0	5.26	1.48	6.45	1.99	6.74	2.02	6.89	2.04	7.32	2.10	7.61	2.13
	32.0	5.26	1.80	6.04	2.16	6.33	2.19	6.48	2.21	6.91	2.27	7.20	2.30
	35.0	5.26	1.97	5.86	2.24	6.15	2.27	6.30	2.29	6.74	2.35	7.03	2.38
	40.0	5.26	2.32	5.57	2.38	5.86	2.41	6.01	2.43	6.44	2.49	6.73	2.52
	43.0	5.11	2.43	5.40	2.47	5.69	2.50	5.83	2.52	6.27	2.58	6.56	2.61
	46.0	4.70	2.17	4.93	2.17	5.16	2.17	5.27	2.17	5.60	2.17	5.81	2.17

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5	22.0	5.63	1.47	6.91	1.98	7.26	2.04	7.41	2.06	7.87	2.12	8.17	2.16
	25.0	5.63	1.59	6.77	2.07	7.07	2.11	7.23	2.13	7.68	2.19	7.99	2.23
	32.0	5.63	1.94	6.34	2.25	6.64	2.29	6.79	2.31	7.25	2.37	7.56	2.41
	35.0	5.63	2.13	6.15	2.34	6.46	2.37	6.61	2.39	7.07	2.45	7.37	2.49
	40.0	5.54	2.44	5.85	2.48	6.15	2.52	6.30	2.54	6.76	2.60	7.06	2.63
	43.0	5.36	2.54	5.66	2.57	5.97	2.61	6.12	2.63	6.57	2.69	6.88	2.73
	46.0	4.86	2.17	5.10	2.17	5.33	2.17	5.44	2.17	5.78	2.17	5.99	2.17
2.5+5.0	22.0	6.75	1.92	7.06	1.96	7.37	2.00	7.52	2.02	7.99	2.07	8.30	2.11
	25.0	6.56	1.99	6.87	2.03	7.18	2.07	7.33	2.09	7.80	2.14	8.11	2.18
	32.0	6.12	2.17	6.43	2.21	6.74	2.24	6.90	2.26	7.36	2.32	7.67	2.35
	35.0	5.94	2.25	6.25	2.29	6.56	2.32	6.71	2.34	7.17	2.40	7.48	2.44
	40.0	5.62	2.39	5.93	2.43	6.24	2.47	6.40	2.49	6.86	2.54	7.17	2.58
	43.0	5.44	2.48	5.75	2.52	6.06	2.56	6.21	2.58	6.67	2.63	6.98	2.67
	46.0	4.95	2.17	5.19	2.17	5.43	2.17	5.54	2.17	5.88	2.17	6.11	2.17
3.5+3.5	22.0	6.00	1.60	7.04	2.00	7.35	2.04	7.50	2.06	7.96	2.12	8.27	2.16
	25.0	6.00	1.74	6.85	2.07	7.16	2.11	7.31	2.13	7.78	2.19	8.08	2.23
	32.0	6.00	2.14	6.41	2.25	6.72	2.29	6.88	2.31	7.34	2.37	7.65	2.41
	35.0	5.92	2.30	6.23	2.34	6.54	2.37	6.69	2.39	7.15	2.45	7.46	2.49
	40.0	5.61	2.44	5.92	2.48	6.22	2.52	6.38	2.54	6.84	2.60	7.15	2.63
	43.0	5.42	2.54	5.73	2.57	6.04	2.61	6.19	2.63	6.65	2.69	6.96	2.73
	46.0	4.91	2.17	5.15	2.17	5.39	2.17	5.50	2.17	5.84	2.17	6.05	2.17
3.5+5.0	22.0	6.83	1.93	7.14	1.97	7.46	2.01	7.61	2.03	8.08	2.08	8.39	2.12
	25.0	6.64	2.00	6.95	2.04	7.27	2.08	7.42	2.09	7.89	2.15	8.20	2.19
	32.0	6.20	2.18	6.51	2.21	6.82	2.25	6.98	2.27	7.45	2.33	7.76	2.36
	35.0	6.01	2.26	6.32	2.30	6.63	2.33	6.79	2.35	7.26	2.41	7.57	2.45
	40.0	5.69	2.40	6.00	2.44	6.32	2.48	6.47	2.50	6.94	2.55	7.26	2.59
	43.0	5.50	2.49	5.81	2.53	6.13	2.57	6.28	2.59	6.75	2.64	7.07	2.68
	46.0	5.00	2.17	5.24	2.17	5.48	2.17	5.59	2.17	5.94	2.17	6.16	2.17
5.0+5.0	22.0	6.94	1.74	7.26	1.78	7.58	1.81	7.74	1.83	8.21	1.88	8.53	1.91
	25.0	6.75	1.80	7.07	1.84	7.38	1.87	7.54	1.89	8.02	1.94	8.34	1.97
	32.0	6.30	1.96	6.62	2.00	6.93	2.03	7.09	2.05	7.57	2.10	7.89	2.13
	35.0	6.11	2.04	6.42	2.07	6.74	2.11	6.90	2.12	7.38	2.17	7.69	2.21
	40.0	5.78	2.17	6.10	2.20	6.42	2.24	6.58	2.25	7.06	2.30	7.37	2.34
	43.0	5.59	2.25	5.91	2.28	6.23	2.32	6.39	2.33	6.86	2.39	7.18	2.42
	46.0	5.23	2.17	5.49	2.17	5.75	2.17	5.88	2.17	6.25	2.17	6.49	2.17

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length :7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0kW class; wall mounted F series

3D050158#3

7.1.2 3MKD58DVM

[Cooling Capacity 50/60Hz 220V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.81	3.67	0.93	3.74	0.94	3.98	0.97	4.13	0.98
	25.0	2.63	0.69	3.23	0.87	3.57	0.96	3.65	0.97	3.88	1.00	4.04	1.02
	32.0	2.63	0.82	3.20	1.03	3.36	1.04	3.43	1.05	3.66	1.08	3.82	1.10
	35.0	2.63	0.89	3.11	1.06	3.26	1.08	3.34	1.09	3.57	1.12	3.72	1.13
	40.0	2.63	1.02	2.95	1.13	3.11	1.15	3.18	1.16	3.42	1.18	3.57	1.20
	43.0	2.63	1.11	2.86	1.17	3.01	1.19	3.09	1.20	3.32	1.23	3.48	1.24
	46.0	2.61	1.20	2.77	1.22	2.92	1.24	3.00	1.24	3.23	1.27	3.38	1.29
3.5	22.0	3.00	0.80	3.68	1.02	4.42	1.28	4.64	1.35	4.93	1.39	5.12	1.42
	25.0	3.00	0.86	3.68	1.10	4.42	1.38	4.53	1.40	4.81	1.44	5.00	1.46
	32.0	3.00	1.02	3.68	1.31	4.16	1.50	4.26	1.52	4.54	1.55	4.73	1.58
	35.0	3.00	1.11	3.68	1.43	4.04	1.56	4.14	1.57	4.43	1.61	4.62	1.63
	40.0	3.00	1.27	3.66	1.63	3.85	1.66	3.95	1.67	4.23	1.71	4.42	1.73
	43.0	3.00	1.39	3.55	1.69	3.74	1.72	3.83	1.73	4.12	1.77	4.31	1.79
	46.0	3.00	1.52	3.43	1.76	3.62	1.78	3.72	1.79	4.00	1.83	4.19	1.86

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
5.0	22.0	4.33	1.12	5.32	1.46	6.26	1.83	6.39	1.84	6.78	1.90	7.05	1.93
	25.0	4.33	1.20	5.32	1.58	6.10	1.89	6.23	1.91	6.62	1.96	6.89	1.99
	32.0	4.33	1.44	5.32	1.92	5.73	2.05	5.86	2.07	6.25	2.12	6.52	2.15
	35.0	4.33	1.57	5.31	2.09	5.57	2.13	5.70	2.14	6.09	2.19	6.36	2.23
	40.0	4.33	1.82	5.04	2.22	5.30	2.26	5.43	2.27	5.83	2.33	6.09	2.36
	43.0	4.33	2.01	4.88	2.31	5.14	2.34	5.28	2.36	5.67	2.41	5.93	2.44
	46.0	4.20	1.99	4.41	1.99	4.61	1.99	4.71	1.99	4.99	1.99	5.18	1.99
2.5+2.5	22.0	5.26	1.37	6.46	1.83	6.92	1.96	7.06	1.97	7.50	2.03	7.79	2.07
	25.0	5.26	1.48	6.45	1.99	6.74	2.02	6.89	2.04	7.32	2.10	7.61	2.13
	32.0	5.26	1.80	6.04	2.16	6.33	2.19	6.48	2.21	6.91	2.27	7.20	2.30
	35.0	5.26	1.97	5.86	2.24	6.15	2.27	6.30	2.29	6.74	2.35	7.03	2.38
	40.0	5.26	2.32	5.57	2.38	5.86	2.41	6.01	2.43	6.44	2.49	6.73	2.52
	43.0	5.11	2.43	5.40	2.47	5.69	2.50	5.83	2.52	6.23	2.53	6.48	2.53
	46.0	4.52	1.99	4.73	1.99	4.94	1.99	5.05	1.99	5.35	1.99	5.54	1.99
2.5+3.5	22.0	5.63	1.47	6.91	1.98	7.26	2.04	7.41	2.06	7.87	2.12	8.17	2.16
	25.0	5.63	1.59	6.77	2.07	7.07	2.11	7.23	2.13	7.68	2.19	7.99	2.23
	32.0	5.63	1.94	6.34	2.25	6.64	2.29	6.79	2.31	7.25	2.37	7.56	2.41
	35.0	5.63	2.13	6.15	2.34	6.46	2.37	6.61	2.39	7.07	2.45	7.37	2.49
	40.0	5.54	2.44	5.85	2.48	6.15	2.52	6.30	2.54	6.76	2.60	7.06	2.63
	43.0	5.35	2.53	5.63	2.53	5.90	2.53	6.04	2.53	6.43	2.53	6.68	2.53
	46.0	4.67	1.99	4.89	1.99	5.10	1.99	5.21	1.99	5.51	1.99	5.71	1.99
2.5+5.0	22.0	6.75	1.92	7.06	1.96	7.37	2.00	7.52	2.02	7.99	2.07	8.30	2.11
	25.0	6.56	1.99	6.87	2.03	7.18	2.07	7.33	2.09	7.80	2.14	8.11	2.18
	32.0	6.12	2.17	6.43	2.21	6.74	2.24	6.90	2.26	7.36	2.32	7.67	2.35
	35.0	5.94	2.25	6.25	2.29	6.56	2.32	6.71	2.34	7.17	2.40	7.48	2.44
	40.0	5.62	2.39	5.93	2.43	6.24	2.47	6.40	2.49	6.86	2.54	7.17	2.58
	43.0	5.44	2.48	5.75	2.52	6.03	2.53	6.17	2.53	6.57	2.53	6.83	2.53
	46.0	4.75	1.99	4.97	1.99	5.19	1.99	5.30	1.99	5.61	1.99	5.81	1.99
3.5+3.5	22.0	6.00	1.60	7.04	2.00	7.35	2.04	7.50	2.06	7.96	2.12	8.27	2.16
	25.0	6.00	1.74	6.85	2.07	7.16	2.11	7.31	2.13	7.78	2.19	8.08	2.23
	32.0	6.00	2.14	6.41	2.25	6.72	2.29	6.88	2.31	7.34	2.37	7.65	2.41
	35.0	5.92	2.30	6.23	2.34	6.54	2.37	6.69	2.39	7.15	2.45	7.46	2.49
	40.0	5.61	2.44	5.92	2.48	6.22	2.52	6.38	2.54	6.84	2.60	7.15	2.63
	43.0	5.42	2.53	5.70	2.53	5.97	2.53	6.11	2.53	6.51	2.53	6.76	2.53
	46.0	4.72	1.99	4.94	1.99	5.15	1.99	5.26	1.99	5.57	1.99	5.77	1.99
3.5+5.0	22.0	6.83	1.93	7.14	1.97	7.46	2.01	7.61	2.03	8.08	2.08	8.39	2.12
	25.0	6.64	2.00	6.95	2.04	7.27	2.08	7.42	2.09	7.89	2.15	8.20	2.19
	32.0	6.20	2.18	6.51	2.21	6.82	2.25	6.98	2.27	7.45	2.33	7.76	2.36
	35.0	6.01	2.26	6.32	2.30	6.63	2.33	6.79	2.35	7.26	2.41	7.57	2.45
	40.0	5.69	2.40	6.00	2.44	6.32	2.48	6.47	2.50	6.94	2.55	7.26	2.59
	43.0	5.50	2.49	5.81	2.53	6.10	2.53	6.23	2.53	6.64	2.53	6.90	2.53
	46.0	4.80	1.99	5.02	1.99	5.24	1.99	5.34	1.99	5.66	1.99	5.86	1.99
5.0+5.0	22.0	6.94	1.74	7.26	1.78	7.58	1.81	7.74	1.83	8.21	1.88	8.53	1.91
	25.0	6.75	1.80	7.07	1.84	7.38	1.87	7.54	1.89	8.02	1.94	8.34	1.97
	32.0	6.30	1.96	6.62	2.00	6.93	2.03	7.09	2.05	7.57	2.10	7.89	2.13
	35.0	6.11	2.04	6.42	2.07	6.74	2.11	6.90	2.12	7.38	2.17	7.69	2.21
	40.0	5.78	2.17	6.10	2.20	6.42	2.24	6.58	2.25	7.06	2.30	7.37	2.34
	43.0	5.59	2.25	5.91	2.28	6.23	2.32	6.39	2.33	6.86	2.39	7.18	2.42
	46.0	5.01	1.99	5.25	1.99	5.49	1.99	5.60	1.99	5.94	1.99	6.16	1.99
2.5+2.5+2.5	22.0	6.79	1.78	7.10	1.82	7.41	1.85	7.57	1.87	8.03	1.92	8.34	1.96
	25.0	6.60	1.85	6.91	1.88	7.22	1.92	7.38	1.93	7.85	1.99	8.16	2.02
	32.0	6.16	2.01	6.47	2.04	6.78	2.08	6.94	2.10	7.41	2.15	7.72	2.18
	35.0	5.97	2.09	6.28	2.12	6.59	2.15	6.75	2.17	7.22	2.22	7.53	2.26
	40.0	5.66	2.22	5.97	2.25	6.28	2.29	6.44	2.31	6.90	2.36	7.21	2.39
	43.0	5.47	2.30	5.78	2.34	6.09	2.37	6.25	2.39	6.71	2.44	7.02	2.48
	46.0	4.87	1.99	5.10	1.99	5.33	1.99	5.44	1.99	5.77	1.99	5.99	1.99
2.5+2.5+3.5	22.0	6.84	1.78	7.15	1.82	7.47	1.85	7.62	1.87	8.09	1.92	8.41	1.96
	25.0	6.65	1.85	6.96	1.88	7.28	1.92	7.43	1.93	7.90	1.99	8.22	2.02
	32.0	6.21	2.01	6.52	2.04	6.83	2.08	6.99	2.10	7.46	2.15	7.77	2.18
	35.0	6.02	2.09	6.33	2.12	6.64	2.15	6.80	2.17	7.27	2.22	7.58	2.26
	40.0	5.70	2.22	6.01	2.25	6.33	2.29	6.48	2.31	6.95	2.36	7.27	2.39
	43.0	5.51	2.30	5.82	2.34	6.14	2.37	6.29	2.39	6.76	2.44	7.08	2.48
	46.0	4.90	1.99	5.14	1.99	5.37	1.99	5.48	1.99	5.81	1.99	6.03	1.99

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+5.0	22.0	6.94	1.61	7.26	1.64	7.58	1.67	7.74	1.69	8.21	1.74	8.53	1.77
	25.0	6.75	1.67	7.07	1.70	7.38	1.73	7.54	1.75	8.02	1.79	8.34	1.83
	32.0	6.30	1.82	6.62	1.85	6.93	1.88	7.09	1.89	7.57	1.94	7.89	1.97
	35.0	6.11	1.88	6.42	1.92	6.74	1.95	6.90	1.96	7.38	2.01	7.69	2.04
	40.0	5.78	2.00	6.10	2.04	6.42	2.07	6.58	2.08	7.06	2.13	7.37	2.16
	43.0	5.59	2.08	5.91	2.11	6.23	2.14	6.39	2.16	6.86	2.21	7.18	2.24
	46.0	5.17	1.99	5.43	1.99	5.68	1.99	5.80	1.99	6.16	1.99	6.39	1.99
2.5+3.5+3.5	22.0	6.90	1.80	7.22	1.83	7.53	1.87	7.69	1.89	8.16	1.94	8.48	1.97
	25.0	6.71	1.86	7.02	1.90	7.34	1.93	7.50	1.95	7.97	2.00	8.29	2.04
	32.0	6.26	2.03	6.58	2.06	6.89	2.10	7.05	2.12	7.53	2.17	7.84	2.20
	35.0	6.07	2.10	6.39	2.14	6.70	2.17	6.86	2.19	7.33	2.24	7.65	2.28
	40.0	5.75	2.24	6.07	2.27	6.38	2.31	6.54	2.33	7.01	2.38	7.33	2.41
	43.0	5.56	2.32	5.87	2.36	6.19	2.39	6.35	2.41	6.82	2.46	7.14	2.50
	46.0	4.93	1.99	5.16	1.99	5.39	1.99	5.51	1.99	5.84	1.99	6.05	1.99

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length :7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0kW class; wall mounted F series

3D050159#1
3D050159#2

[Cooling Capacity 50/60Hz 230V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.81	3.67	0.93	3.74	0.94	3.98	0.97	4.13	0.98
	25.0	2.63	0.69	3.23	0.87	3.57	0.96	3.65	0.97	3.88	1.00	4.04	1.02
	32.0	2.63	0.82	3.20	1.03	3.36	1.04	3.43	1.05	3.66	1.08	3.82	1.10
	35.0	2.63	0.89	3.11	1.06	3.26	1.08	3.34	1.09	3.57	1.12	3.72	1.13
	40.0	2.63	1.02	2.95	1.13	3.11	1.15	3.18	1.16	3.42	1.18	3.57	1.20
	43.0	2.63	1.11	2.86	1.17	3.01	1.19	3.09	1.20	3.32	1.23	3.48	1.24
	46.0	2.61	1.20	2.77	1.22	2.92	1.24	3.00	1.24	3.23	1.27	3.38	1.29
3.5	22.0	3.00	0.80	3.68	1.02	4.42	1.28	4.64	1.35	4.93	1.39	5.12	1.42
	25.0	3.00	0.86	3.68	1.10	4.42	1.38	4.53	1.40	4.81	1.44	5.00	1.46
	32.0	3.00	1.02	3.68	1.31	4.16	1.50	4.26	1.52	4.54	1.55	4.73	1.58
	35.0	3.00	1.11	3.68	1.43	4.04	1.56	4.14	1.57	4.43	1.61	4.62	1.63
	40.0	3.00	1.27	3.66	1.63	3.85	1.66	3.95	1.67	4.23	1.71	4.42	1.73
	43.0	3.00	1.39	3.55	1.69	3.74	1.72	3.83	1.73	4.12	1.77	4.31	1.79
	46.0	3.00	1.52	3.43	1.76	3.62	1.78	3.72	1.79	4.00	1.83	4.19	1.86
5.0	22.0	4.33	1.12	5.32	1.46	6.26	1.83	6.39	1.84	6.78	1.90	7.05	1.93
	25.0	4.33	1.20	5.32	1.58	6.10	1.89	6.23	1.91	6.62	1.96	6.89	1.99
	32.0	4.33	1.44	5.32	1.92	5.73	2.05	5.86	2.07	6.25	2.12	6.52	2.15
	35.0	4.33	1.57	5.31	2.09	5.57	2.13	5.70	2.14	6.09	2.19	6.36	2.23
	40.0	4.33	1.82	5.04	2.22	5.30	2.26	5.43	2.27	5.83	2.33	6.09	2.36
	43.0	4.33	2.01	4.88	2.31	5.14	2.34	5.28	2.36	5.67	2.41	5.93	2.44
	46.0	4.28	2.08	4.49	2.08	4.70	2.08	4.81	2.08	5.11	2.08	5.31	2.08
2.5+2.5	22.0	5.26	1.37	6.46	1.83	6.92	1.96	7.06	1.97	7.50	2.03	7.79	2.07
	25.0	5.26	1.48	6.45	1.99	6.74	2.02	6.89	2.04	7.32	2.10	7.61	2.13
	32.0	5.26	1.80	6.04	2.16	6.33	2.19	6.48	2.21	6.91	2.27	7.20	2.30
	35.0	5.26	1.97	5.86	2.24	6.15	2.27	6.30	2.29	6.74	2.35	7.03	2.38
	40.0	5.26	2.32	5.57	2.38	5.86	2.41	6.01	2.43	6.44	2.49	6.73	2.52
	43.0	5.11	2.43	5.40	2.47	5.69	2.50	5.83	2.52	6.27	2.58	6.56	2.61
	46.0	4.61	2.08	4.84	2.08	5.06	2.08	5.16	2.08	5.48	2.08	5.68	2.08
2.5+3.5	22.0	5.63	1.47	6.91	1.98	7.26	2.04	7.41	2.06	7.87	2.12	8.17	2.16
	25.0	5.63	1.59	6.77	2.07	7.07	2.11	7.23	2.13	7.68	2.19	7.99	2.23
	32.0	5.63	1.94	6.34	2.25	6.64	2.29	6.79	2.31	7.25	2.37	7.56	2.41
	35.0	5.63	2.13	6.15	2.34	6.46	2.37	6.61	2.39	7.07	2.45	7.37	2.49
	40.0	5.54	2.44	5.85	2.48	6.15	2.52	6.30	2.54	6.76	2.60	7.06	2.63
	43.0	5.36	2.54	5.66	2.57	5.97	2.61	6.12	2.63	6.54	2.65	6.81	2.65
	46.0	4.77	2.08	5.00	2.08	5.22	2.08	5.33	2.08	5.65	2.08	5.86	2.08

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+5.0	22.0	6.75	1.92	7.06	1.96	7.37	2.00	7.52	2.02	7.99	2.07	8.30	2.11
	25.0	6.56	1.99	6.87	2.03	7.18	2.07	7.33	2.09	7.80	2.14	8.11	2.18
	32.0	6.12	2.17	6.43	2.21	6.74	2.24	6.90	2.26	7.36	2.32	7.67	2.35
	35.0	5.94	2.25	6.25	2.29	6.56	2.32	6.71	2.34	7.17	2.40	7.48	2.44
	40.0	5.62	2.39	5.93	2.43	6.24	2.47	6.40	2.49	6.86	2.54	7.17	2.58
	43.0	5.44	2.48	5.75	2.52	6.06	2.56	6.21	2.58	6.67	2.63	6.96	2.65
	46.0	4.85	2.08	5.09	2.08	5.31	2.08	5.42	2.08	5.75	2.08	5.96	2.08
3.5+3.5	22.0	6.00	1.60	7.04	2.00	7.35	2.04	7.50	2.06	7.96	2.12	8.27	2.16
	25.0	6.00	1.74	6.85	2.07	7.16	2.11	7.31	2.13	7.78	2.19	8.08	2.23
	32.0	6.00	2.14	6.41	2.25	6.72	2.29	6.88	2.31	7.34	2.37	7.65	2.41
	35.0	5.92	2.30	6.23	2.34	6.54	2.37	6.69	2.39	7.15	2.45	7.46	2.49
	40.0	5.61	2.44	5.92	2.48	6.22	2.52	6.38	2.54	6.84	2.60	7.15	2.63
	43.0	5.42	2.54	5.73	2.57	6.04	2.61	6.19	2.63	6.62	2.65	6.89	2.65
	46.0	4.82	2.08	5.05	2.08	5.27	2.08	5.38	2.08	5.71	2.08	5.92	2.08
3.5+5.0	22.0	6.83	1.93	7.14	1.97	7.46	2.01	7.61	2.03	8.08	2.08	8.39	2.12
	25.0	6.64	2.00	6.95	2.04	7.27	2.08	7.42	2.09	7.89	2.15	8.20	2.19
	32.0	6.20	2.18	6.51	2.21	6.82	2.25	6.98	2.27	7.45	2.33	7.76	2.36
	35.0	6.01	2.26	6.32	2.30	6.63	2.33	6.79	2.35	7.26	2.41	7.57	2.45
	40.0	5.69	2.40	6.00	2.44	6.32	2.48	6.47	2.50	6.94	2.55	7.26	2.59
	43.0	5.50	2.49	5.81	2.53	6.13	2.57	6.28	2.59	6.75	2.64	7.03	2.65
	46.0	4.90	2.08	5.13	2.08	5.36	2.08	5.47	2.08	5.80	2.08	6.02	2.08
5.0+5.0	22.0	6.94	1.74	7.26	1.78	7.58	1.81	7.74	1.83	8.21	1.88	8.53	1.91
	25.0	6.75	1.80	7.07	1.84	7.38	1.87	7.54	1.89	8.02	1.94	8.34	1.97
	32.0	6.30	1.96	6.62	2.00	6.93	2.03	7.09	2.05	7.57	2.10	7.89	2.13
	35.0	6.11	2.04	6.42	2.07	6.74	2.11	6.90	2.12	7.38	2.17	7.69	2.21
	40.0	5.78	2.17	6.10	2.20	6.42	2.24	6.58	2.25	7.06	2.30	7.37	2.34
	43.0	5.59	2.25	5.91	2.28	6.23	2.32	6.39	2.33	6.86	2.39	7.18	2.42
	46.0	5.12	2.08	5.38	2.08	5.62	2.08	5.74	2.08	6.10	2.08	6.33	2.08
2.5+2.5+2.5	22.0	6.79	1.78	7.10	1.82	7.41	1.85	7.57	1.87	8.03	1.92	8.34	1.96
	25.0	6.60	1.85	6.91	1.88	7.22	1.92	7.38	1.93	7.85	1.99	8.16	2.02
	32.0	6.16	2.01	6.47	2.04	6.78	2.08	6.94	2.10	7.41	2.15	7.72	2.18
	35.0	5.97	2.09	6.28	2.12	6.59	2.15	6.75	2.17	7.22	2.22	7.53	2.26
	40.0	5.66	2.22	5.97	2.25	6.28	2.29	6.44	2.31	6.90	2.36	7.21	2.39
	43.0	5.47	2.30	5.78	2.34	6.09	2.37	6.25	2.39	6.71	2.44	7.02	2.48
	46.0	4.98	2.08	5.22	2.08	5.46	2.08	5.58	2.08	5.92	2.08	6.15	2.08
2.5+2.5+3.5	22.0	6.84	1.78	7.15	1.82	7.47	1.85	7.62	1.87	8.09	1.92	8.41	1.96
	25.0	6.65	1.85	6.96	1.88	7.28	1.92	7.43	1.93	7.90	1.99	8.22	2.02
	32.0	6.21	2.01	6.52	2.04	6.83	2.08	6.99	2.10	7.46	2.15	7.77	2.18
	35.0	6.02	2.09	6.33	2.12	6.64	2.15	6.80	2.17	7.27	2.22	7.58	2.26
	40.0	5.70	2.22	6.01	2.25	6.33	2.29	6.48	2.31	6.95	2.36	7.27	2.39
	43.0	5.51	2.30	5.82	2.34	6.14	2.37	6.29	2.39	6.76	2.44	7.08	2.48
	46.0	5.01	2.08	5.26	2.08	5.50	2.08	5.62	2.08	5.96	2.08	6.19	2.08
2.5+2.5+5.0	22.0	6.94	1.61	7.26	1.64	7.58	1.67	7.74	1.69	8.21	1.74	8.53	1.77
	25.0	6.75	1.67	7.07	1.70	7.38	1.73	7.54	1.75	8.02	1.79	8.34	1.83
	32.0	6.30	1.82	6.62	1.85	6.93	1.88	7.09	1.89	7.57	1.94	7.89	1.97
	35.0	6.11	1.88	6.42	1.92	6.74	1.95	6.90	1.96	7.38	2.01	7.69	2.04
	40.0	5.78	2.00	6.10	2.04	6.42	2.07	6.58	2.08	7.06	2.13	7.37	2.16
	43.0	5.59	2.08	5.91	2.11	6.23	2.14	6.39	2.16	6.86	2.21	7.18	2.24
	46.0	5.30	2.08	5.56	2.08	5.82	2.08	5.95	2.08	6.32	2.08	6.57	2.08
2.5+3.5+3.5	22.0	6.90	1.80	7.22	1.83	7.53	1.87	7.69	1.89	8.16	1.94	8.48	1.97
	25.0	6.71	1.86	7.02	1.90	7.34	1.93	7.50	1.95	7.97	2.00	8.29	2.04
	32.0	6.26	2.03	6.58	2.06	6.89	2.10	7.05	2.12	7.53	2.17	7.84	2.20
	35.0	6.07	2.10	6.39	2.14	6.70	2.17	6.86	2.19	7.33	2.24	7.65	2.28
	40.0	5.75	2.24	6.07	2.27	6.38	2.31	6.54	2.33	7.01	2.38	7.33	2.41
	43.0	5.56	2.32	5.87	2.36	6.19	2.39	6.35	2.41	6.82	2.46	7.14	2.50
	46.0	5.04	2.08	5.29	2.08	5.53	2.08	5.64	2.08	5.99	2.08	6.21	2.08

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length :7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0kW class; wall mounted F series

3D050159#3
3D050159#4

[Cooling Capacity 50Hz 240V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.81	3.67	0.93	3.74	0.94	3.98	0.97	4.13	0.98
	25.0	2.63	0.69	3.23	0.87	3.57	0.96	3.65	0.97	3.88	1.00	4.04	1.02
	32.0	2.63	0.82	3.20	1.03	3.36	1.04	3.43	1.05	3.66	1.08	3.82	1.10
	35.0	2.63	0.89	3.11	1.06	3.26	1.08	3.34	1.09	3.57	1.12	3.72	1.13
	40.0	2.63	1.02	2.95	1.13	3.11	1.15	3.18	1.16	3.42	1.18	3.57	1.20
	43.0	2.63	1.11	2.86	1.17	3.01	1.19	3.09	1.20	3.32	1.23	3.48	1.24
	46.0	2.61	1.20	2.77	1.22	2.92	1.24	3.00	1.24	3.23	1.27	3.38	1.29
3.5	22.0	3.00	0.80	3.68	1.02	4.42	1.28	4.64	1.35	4.93	1.39	5.12	1.42
	25.0	3.00	0.86	3.68	1.10	4.42	1.38	4.53	1.40	4.81	1.44	5.00	1.46
	32.0	3.00	1.02	3.68	1.31	4.16	1.50	4.26	1.52	4.54	1.55	4.73	1.58
	35.0	3.00	1.11	3.68	1.43	4.04	1.56	4.14	1.57	4.43	1.61	4.62	1.63
	40.0	3.00	1.27	3.66	1.63	3.85	1.66	3.95	1.67	4.23	1.71	4.42	1.73
	43.0	3.00	1.39	3.55	1.69	3.74	1.72	3.83	1.73	4.12	1.77	4.31	1.79
	46.0	3.00	1.52	3.43	1.76	3.62	1.78	3.72	1.79	4.00	1.83	4.19	1.86
5.0	22.0	4.33	1.12	5.32	1.46	6.26	1.83	6.39	1.84	6.78	1.90	7.05	1.93
	25.0	4.33	1.20	5.32	1.58	6.10	1.89	6.23	1.91	6.62	1.96	6.89	1.99
	32.0	4.33	1.44	5.32	1.92	5.73	2.05	5.86	2.07	6.25	2.12	6.52	2.15
	35.0	4.33	1.57	5.31	2.09	5.57	2.13	5.70	2.14	6.09	2.19	6.36	2.23
	40.0	4.33	1.82	5.04	2.22	5.30	2.26	5.43	2.27	5.83	2.33	6.09	2.36
	43.0	4.33	2.01	4.88	2.31	5.14	2.34	5.28	2.36	5.67	2.41	5.93	2.44
	46.0	4.33	2.17	4.57	2.17	4.79	2.17	4.90	2.17	5.21	2.17	5.42	2.17
2.5+2.5	22.0	5.26	1.37	6.46	1.83	6.92	1.96	7.06	1.97	7.50	2.03	7.79	2.07
	25.0	5.26	1.48	6.45	1.99	6.74	2.02	6.89	2.04	7.32	2.10	7.61	2.13
	32.0	5.26	1.80	6.04	2.16	6.33	2.19	6.48	2.21	6.91	2.27	7.20	2.30
	35.0	5.26	1.97	5.86	2.24	6.15	2.27	6.30	2.29	6.74	2.35	7.03	2.38
	40.0	5.26	2.32	5.57	2.38	5.86	2.41	6.01	2.43	6.44	2.49	6.73	2.52
	43.0	5.11	2.43	5.40	2.47	5.69	2.50	5.83	2.52	6.27	2.58	6.56	2.61
	46.0	4.70	2.17	4.93	2.17	5.16	2.17	5.27	2.17	5.60	2.17	5.81	2.17
2.5+3.5	22.0	5.63	1.47	6.91	1.98	7.26	2.04	7.41	2.06	7.87	2.12	8.17	2.16
	25.0	5.63	1.59	6.77	2.07	7.07	2.11	7.23	2.13	7.68	2.19	7.99	2.23
	32.0	5.63	1.94	6.34	2.25	6.64	2.29	6.79	2.31	7.25	2.37	7.56	2.41
	35.0	5.63	2.13	6.15	2.34	6.46	2.37	6.61	2.39	7.07	2.45	7.37	2.49
	40.0	5.54	2.44	5.85	2.48	6.15	2.52	6.30	2.54	6.76	2.60	7.06	2.63
	43.0	5.36	2.54	5.66	2.57	5.97	2.61	6.12	2.63	6.57	2.69	6.88	2.73
	46.0	4.86	2.17	5.10	2.17	5.33	2.17	5.44	2.17	5.78	2.17	5.99	2.17
2.5+5.0	22.0	6.75	1.92	7.06	1.96	7.37	2.00	7.52	2.02	7.99	2.07	8.30	2.11
	25.0	6.56	1.99	6.87	2.03	7.18	2.07	7.33	2.09	7.80	2.14	8.11	2.18
	32.0	6.12	2.17	6.43	2.21	6.74	2.24	6.90	2.26	7.36	2.32	7.67	2.35
	35.0	5.94	2.25	6.25	2.29	6.56	2.32	6.71	2.34	7.17	2.40	7.48	2.44
	40.0	5.62	2.39	5.93	2.43	6.24	2.47	6.40	2.49	6.86	2.54	7.17	2.58
	43.0	5.44	2.48	5.75	2.52	6.06	2.56	6.21	2.58	6.67	2.63	6.98	2.67
	46.0	4.95	2.17	5.19	2.17	5.43	2.17	5.54	2.17	5.88	2.17	6.11	2.17
3.5+3.5	22.0	6.00	1.60	7.04	2.00	7.35	2.04	7.50	2.06	7.96	2.12	8.27	2.16
	25.0	6.00	1.74	6.85	2.07	7.16	2.11	7.31	2.13	7.78	2.19	8.08	2.23
	32.0	6.00	2.14	6.41	2.25	6.72	2.29	6.88	2.31	7.34	2.37	7.65	2.41
	35.0	5.92	2.30	6.23	2.34	6.54	2.37	6.69	2.39	7.15	2.45	7.46	2.49
	40.0	5.61	2.44	5.92	2.48	6.22	2.52	6.38	2.54	6.84	2.60	7.15	2.63
	43.0	5.42	2.54	5.73	2.57	6.04	2.61	6.19	2.63	6.65	2.69	6.96	2.73
	46.0	4.91	2.17	5.15	2.17	5.39	2.17	5.50	2.17	5.84	2.17	6.05	2.17
3.5+5.0	22.0	6.83	1.93	7.14	1.97	7.46	2.01	7.61	2.03	8.08	2.08	8.39	2.12
	25.0	6.64	2.00	6.95	2.04	7.27	2.08	7.42	2.09	7.89	2.15	8.20	2.19
	32.0	6.20	2.18	6.51	2.21	6.82	2.25	6.98	2.27	7.45	2.33	7.76	2.36
	35.0	6.01	2.26	6.32	2.30	6.63	2.33	6.79	2.35	7.26	2.41	7.57	2.45
	40.0	5.69	2.40	6.00	2.44	6.32	2.48	6.47	2.50	6.94	2.55	7.26	2.59
	43.0	5.50	2.49	5.81	2.53	6.13	2.57	6.28	2.59	6.75	2.64	7.07	2.68
	46.0	5.00	2.17	5.24	2.17	5.48	2.17	5.59	2.17	5.94	2.17	6.16	2.17
5.0+5.0	22.0	6.94	1.74	7.26	1.78	7.58	1.81	7.74	1.83	8.21	1.88	8.53	1.91
	25.0	6.75	1.80	7.07	1.84	7.38	1.87	7.54	1.89	8.02	1.94	8.34	1.97
	32.0	6.30	1.96	6.62	2.00	6.93	2.03	7.09	2.05	7.57	2.10	7.89	2.13
	35.0	6.11	2.04	6.42	2.07	6.74	2.11	6.90	2.12	7.38	2.17	7.69	2.21
	40.0	5.78	2.17	6.10	2.20	6.42	2.24	6.58	2.25	7.06	2.30	7.37	2.34
	43.0	5.59	2.25	5.91	2.28	6.23	2.32	6.39	2.33	6.86	2.39	7.18	2.42
	46.0	5.23	2.17	5.49	2.17	5.75	2.17	5.88	2.17	6.25	2.17	6.49	2.17

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+2.5	22.0	6.79	1.78	7.10	1.82	7.41	1.85	7.57	1.87	8.03	1.92	8.34	1.96
	25.0	6.60	1.85	6.91	1.88	7.22	1.92	7.38	1.93	7.85	1.99	8.16	2.02
	32.0	6.16	2.01	6.47	2.04	6.78	2.08	6.94	2.10	7.41	2.15	7.72	2.18
	35.0	5.97	2.09	6.28	2.12	6.59	2.15	6.75	2.17	7.22	2.22	7.53	2.26
	40.0	5.66	2.22	5.97	2.25	6.28	2.29	6.44	2.31	6.90	2.36	7.21	2.39
	43.0	5.47	2.30	5.78	2.34	6.09	2.37	6.25	2.39	6.71	2.44	7.02	2.48
	46.0	5.08	2.17	5.33	2.17	5.58	2.17	5.70	2.17	6.06	2.17	6.30	2.17
2.5+2.5+3.5	22.0	6.84	1.78	7.15	1.82	7.47	1.85	7.62	1.87	8.09	1.92	8.41	1.96
	25.0	6.65	1.85	6.96	1.88	7.28	1.92	7.43	1.93	7.90	1.99	8.22	2.02
	32.0	6.21	2.01	6.52	2.04	6.83	2.08	6.99	2.10	7.46	2.15	7.77	2.18
	35.0	6.02	2.09	6.33	2.12	6.64	2.15	6.80	2.17	7.27	2.22	7.58	2.26
	40.0	5.70	2.22	6.01	2.25	6.33	2.29	6.48	2.31	6.95	2.36	7.27	2.39
	43.0	5.51	2.30	5.82	2.34	6.14	2.37	6.29	2.39	6.76	2.44	7.08	2.48
	46.0	5.11	2.17	5.37	2.17	5.62	2.17	5.74	2.17	6.10	2.17	6.34	2.17
2.5+2.5+5.0	22.0	6.94	1.61	7.26	1.64	7.58	1.67	7.74	1.69	8.21	1.74	8.53	1.77
	25.0	6.75	1.67	7.07	1.70	7.38	1.73	7.54	1.75	8.02	1.79	8.34	1.83
	32.0	6.30	1.82	6.62	1.85	6.93	1.88	7.09	1.89	7.57	1.94	7.89	1.97
	35.0	6.11	1.88	6.42	1.92	6.74	1.95	6.90	1.96	7.38	2.01	7.69	2.04
	40.0	5.78	2.00	6.10	2.04	6.42	2.07	6.58	2.08	7.06	2.13	7.37	2.16
	43.0	5.59	2.08	5.91	2.11	6.23	2.14	6.39	2.16	6.86	2.21	7.18	2.24
	46.0	5.40	2.16	5.69	2.17	5.96	2.17	6.09	2.17	6.48	2.17	6.74	2.17
2.5+3.5+3.5	22.0	6.90	1.80	7.22	1.83	7.53	1.87	7.69	1.89	8.16	1.94	8.48	1.97
	25.0	6.71	1.86	7.02	1.90	7.34	1.93	7.50	1.95	7.97	2.00	8.29	2.04
	32.0	6.26	2.03	6.58	2.06	6.89	2.10	7.05	2.12	7.53	2.17	7.84	2.20
	35.0	6.07	2.10	6.39	2.14	6.70	2.17	6.86	2.19	7.33	2.24	7.65	2.28
	40.0	5.75	2.24	6.07	2.27	6.38	2.31	6.54	2.33	7.01	2.38	7.33	2.41
	43.0	5.56	2.32	5.87	2.36	6.19	2.39	6.35	2.41	6.82	2.46	7.14	2.50
	46.0	5.14	2.17	5.40	2.17	5.65	2.17	5.77	2.17	6.13	2.17	6.37	2.17

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length :7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0kW class; wall mounted F series

3D050159#5
3D050159#6

7.1.3 3MKD75DVM

[Cooling Capacity 50/60Hz 220V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.82	3.68	0.94	3.76	0.95	3.99	0.97	4.14	0.99
	25.0	2.63	0.70	3.23	0.88	3.58	0.97	3.66	0.98	3.89	1.01	4.05	1.02
	32.0	2.63	0.83	3.21	1.04	3.37	1.05	3.44	1.06	3.68	1.09	3.83	1.11
	35.0	2.63	0.89	3.12	1.07	3.27	1.09	3.35	1.10	3.58	1.13	3.74	1.15
	40.0	2.63	1.02	2.96	1.14	3.12	1.16	3.19	1.17	3.43	1.20	3.58	1.21
	43.0	2.63	1.11	2.87	1.19	3.02	1.20	3.10	1.21	3.33	1.24	3.49	1.26
	46.0	2.62	1.21	2.78	1.23	2.93	1.25	3.01	1.26	3.24	1.28	3.39	1.30
3.5	22.0	3.00	0.78	3.68	1.00	4.42	1.25	4.65	1.32	4.94	1.36	5.13	1.38
	25.0	3.00	0.84	3.68	1.07	4.42	1.34	4.54	1.36	4.82	1.40	5.01	1.42
	32.0	3.00	1.00	3.68	1.28	4.17	1.47	4.27	1.48	4.55	1.52	4.74	1.54
	35.0	3.00	1.08	3.68	1.38	4.05	1.52	4.15	1.53	4.44	1.57	4.63	1.59
	40.0	3.00	1.23	3.67	1.59	3.86	1.61	3.96	1.63	4.24	1.66	4.43	1.69
	43.0	3.00	1.35	3.55	1.65	3.75	1.67	3.84	1.69	4.13	1.72	4.32	1.75
	46.0	3.00	1.48	3.44	1.71	3.63	1.73	3.72	1.75	4.01	1.78	4.20	1.81
5.0	22.0	4.33	1.05	5.32	1.36	6.37	1.74	6.50	1.76	6.90	1.81	7.17	1.84
	25.0	4.33	1.13	5.32	1.47	6.21	1.80	6.34	1.82	6.74	1.87	7.01	1.90
	32.0	4.33	1.35	5.32	1.77	5.83	1.95	5.96	1.97	6.36	2.02	6.63	2.05
	35.0	4.33	1.46	5.32	1.94	5.67	2.03	5.80	2.04	6.20	2.09	6.47	2.12
	40.0	4.33	1.69	5.13	2.12	5.40	2.15	5.53	2.17	5.93	2.22	6.20	2.25
	43.0	4.33	1.86	4.97	2.20	5.23	2.23	5.37	2.25	5.77	2.30	6.04	2.33
	46.0	4.33	2.05	4.63	2.08	4.85	2.08	4.96	2.08	5.27	2.08	5.48	2.08

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
6.0	22.0	5.60	1.62	6.79	2.14	7.08	2.19	7.23	2.21	7.68	2.27	7.97	2.31
	25.0	5.60	1.75	6.60	2.22	6.90	2.26	7.05	2.28	7.50	2.34	7.79	2.38
	32.0	5.60	2.15	6.18	2.41	6.48	2.45	6.63	2.47	7.08	2.54	7.37	2.58
	35.0	5.60	2.37	6.00	2.50	6.30	2.54	6.45	2.56	6.90	2.62	7.19	2.67
	40.0	5.41	2.62	5.70	2.66	6.00	2.70	6.15	2.72	6.60	2.78	6.89	2.82
	43.0	5.20	2.63	5.47	2.63	5.74	2.63	5.87	2.63	6.26	2.63	6.51	2.63
	46.0	4.64	2.08	4.86	2.08	5.06	2.08	5.17	2.08	5.47	2.08	5.67	2.08
7.1	22.0	5.94	1.70	7.29	2.33	7.89	2.56	8.06	2.59	8.56	2.66	8.89	2.71
	25.0	5.94	1.84	7.29	2.55	7.69	2.65	7.86	2.67	8.36	2.75	8.69	2.79
	32.0	5.94	2.26	6.89	2.83	7.23	2.87	7.39	2.90	7.89	2.97	8.22	3.02
	35.0	5.94	2.48	6.69	2.93	7.02	2.98	7.19	3.00	7.69	3.08	8.02	3.12
	40.0	5.94	2.96	6.36	3.12	6.69	3.16	6.86	3.19	7.33	3.19	7.63	3.19
	43.0	5.69	2.63	5.96	2.63	6.23	2.63	6.36	2.63	6.75	2.63	7.00	2.63
	46.0	5.06	2.08	5.28	2.08	5.49	2.08	5.59	2.08	5.90	2.08	6.09	2.08
2.5+2.5	22.0	5.26	1.41	6.46	1.89	6.92	2.02	7.06	2.04	7.50	2.10	7.79	2.14
	25.0	5.26	1.53	6.45	2.06	6.74	2.09	6.89	2.11	7.32	2.17	7.61	2.21
	32.0	5.26	1.86	6.04	2.23	6.33	2.27	6.48	2.29	6.91	2.35	7.20	2.38
	35.0	5.26	2.04	5.86	2.32	6.15	2.35	6.30	2.37	6.74	2.43	7.03	2.47
	40.0	5.26	2.40	5.57	2.46	5.86	2.50	6.01	2.52	6.44	2.57	6.73	2.61
	43.0	5.11	2.52	5.40	2.55	5.69	2.59	5.83	2.61	6.24	2.63	6.50	2.63
	46.0	4.59	2.08	4.81	2.08	5.02	2.08	5.12	2.08	5.43	2.08	5.63	2.08
2.5+3.5	22.0	5.63	1.56	6.91	2.12	7.36	2.24	7.51	2.26	7.97	2.32	8.28	2.36
	25.0	5.63	1.69	6.86	2.27	7.17	2.31	7.32	2.34	7.79	2.40	8.10	2.44
	32.0	5.63	2.06	6.42	2.47	6.73	2.51	6.89	2.53	7.35	2.59	7.66	2.64
	35.0	5.63	2.27	6.24	2.56	6.55	2.60	6.70	2.62	7.16	2.69	7.47	2.73
	40.0	5.62	2.68	5.93	2.72	6.23	2.76	6.39	2.78	6.85	2.85	7.16	2.89
	43.0	5.37	2.63	5.65	2.63	5.92	2.63	6.06	2.63	6.45	2.63	6.70	2.63
	46.0	4.78	2.08	5.00	2.08	5.21	2.08	5.31	2.08	5.62	2.08	5.82	2.08
2.5+5.0	22.0	6.96	2.02	7.66	2.27	7.99	2.31	8.16	2.34	8.66	2.40	9.00	2.44
	25.0	6.96	2.21	7.45	2.35	7.79	2.39	7.96	2.42	8.46	2.48	8.80	2.52
	32.0	6.64	2.51	6.98	2.55	7.32	2.60	7.48	2.62	7.99	2.68	8.32	2.73
	35.0	6.44	2.60	6.78	2.65	7.11	2.69	7.28	2.71	7.78	2.78	8.12	2.82
	40.0	6.10	2.77	6.44	2.81	6.77	2.86	6.94	2.88	7.44	2.94	7.78	2.99
	43.0	5.78	2.63	6.08	2.63	6.36	2.63	6.50	2.63	6.91	2.63	7.18	2.63
	46.0	5.09	2.08	5.32	2.08	5.54	2.08	5.65	2.08	5.98	2.08	6.18	2.08
2.5+6.0	22.0	7.66	2.43	8.02	2.48	8.37	2.53	8.54	2.55	9.07	2.62	9.42	2.67
	25.0	7.45	2.52	7.80	2.57	8.15	2.61	8.33	2.64	8.86	2.71	9.21	2.76
	32.0	6.96	2.74	7.31	2.79	7.66	2.84	7.83	2.86	8.36	2.93	8.71	2.98
	35.0	6.74	2.84	7.09	2.89	7.44	2.94	7.62	2.96	8.15	3.03	8.50	3.08
	40.0	6.39	3.03	6.74	3.07	7.09	3.12	7.27	3.14	7.78	3.19	8.10	3.19
	43.0	5.98	2.63	6.27	2.63	6.55	2.63	6.69	2.63	7.09	2.63	7.36	2.63
	46.0	5.27	2.08	5.50	2.08	5.72	2.08	5.83	2.08	6.14	2.08	6.35	2.08
2.5+7.1	22.0	8.03	2.59	8.39	2.64	8.76	2.69	8.95	2.71	9.50	2.79	9.87	2.84
	25.0	7.80	2.68	8.17	2.73	8.54	2.78	8.72	2.81	9.27	2.88	9.64	2.93
	32.0	7.28	2.92	7.65	2.97	8.02	3.02	8.20	3.04	8.75	3.12	9.12	3.17
	35.0	7.06	3.03	7.43	3.08	7.80	3.13	7.98	3.15	8.53	3.23	8.90	3.28
	40.0	6.68	3.19	7.04	3.19	7.38	3.19	7.55	3.19	8.05	3.19	8.37	3.19
	43.0	6.21	2.63	6.50	2.63	6.79	2.63	6.93	2.63	7.33	2.63	7.60	2.63
	46.0	5.47	2.08	5.70	2.08	5.92	2.08	6.03	2.08	6.35	2.08	6.56	2.08
3.5+3.5	22.0	6.00	1.70	7.37	2.34	7.91	2.52	8.07	2.54	8.57	2.61	8.90	2.66
	25.0	6.00	1.85	7.37	2.56	7.70	2.61	7.87	2.63	8.37	2.70	8.70	2.75
	32.0	6.00	2.26	6.90	2.78	7.24	2.83	7.40	2.85	7.90	2.92	8.23	2.97
	35.0	6.00	2.49	6.70	2.88	7.03	2.93	7.20	2.95	7.70	3.02	8.03	3.07
	40.0	6.00	2.98	6.37	3.06	6.70	3.11	6.86	3.13	7.36	3.19	7.67	3.19
	43.0	5.69	2.63	5.97	2.63	6.24	2.63	6.37	2.63	6.76	2.63	7.02	2.63
	46.0	5.06	2.08	5.28	2.08	5.49	2.08	5.59	2.08	5.90	2.08	6.10	2.08
3.5+5.0	22.0	7.33	2.22	8.10	2.53	8.45	2.58	8.63	2.60	9.16	2.68	9.52	2.72
	25.0	7.33	2.43	7.88	2.62	8.24	2.67	8.42	2.69	8.95	2.76	9.30	2.81
	32.0	7.03	2.80	7.38	2.85	7.74	2.89	7.92	2.92	8.45	2.99	8.80	3.04
	35.0	6.81	2.90	7.17	2.95	7.52	3.00	7.70	3.02	8.23	3.10	8.59	3.14
	40.0	6.45	3.09	6.81	3.14	7.16	3.18	7.33	3.19	7.83	3.19	8.15	3.19
	43.0	6.03	2.63	6.32	2.63	6.60	2.63	6.74	2.63	7.14	2.63	7.41	2.63
	46.0	5.32	2.08	5.54	2.08	5.76	2.08	5.87	2.08	6.19	2.08	6.40	2.08

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+6.0	22.0	7.98	2.51	8.34	2.56	8.71	2.61	8.89	2.64	9.44	2.71	9.80	2.76
	25.0	7.76	2.61	8.12	2.65	8.49	2.70	8.67	2.73	9.22	2.80	9.58	2.85
	32.0	7.24	2.83	7.60	2.88	7.97	2.93	8.15	2.96	8.70	3.03	9.06	3.08
	35.0	7.02	2.94	7.38	2.99	7.75	3.04	7.93	3.06	8.48	3.14	8.84	3.19
	40.0	6.65	3.13	7.01	3.18	7.36	3.19	7.54	3.19	8.04	3.19	8.36	3.19
	43.0	6.18	2.63	6.47	2.63	6.76	2.63	6.90	2.63	7.31	2.63	7.58	2.63
	46.0	5.43	2.08	5.66	2.08	5.89	2.08	6.00	2.08	6.32	2.08	6.53	2.08
3.5+7.1	22.0	8.28	2.68	8.66	2.73	9.04	2.78	9.23	2.81	9.80	2.89	10.17	2.94
	25.0	8.05	2.78	8.43	2.83	8.81	2.88	9.00	2.91	9.57	2.98	9.94	3.04
	32.0	7.51	3.02	7.89	3.07	8.27	3.12	8.46	3.15	9.03	3.23	9.41	3.28
	35.0	7.28	3.13	7.66	3.19	8.04	3.24	8.23	3.26	8.80	3.34	9.18	3.39
	40.0	6.88	3.19	7.23	3.19	7.58	3.19	7.75	3.19	8.25	3.19	8.58	3.19
	43.0	6.38	2.63	6.67	2.63	6.96	2.63	7.10	2.63	7.51	2.63	7.78	2.63
	46.0	5.61	2.08	5.84	2.08	6.06	2.08	6.17	2.08	6.49	2.08	6.71	2.08
5.0+5.0	22.0	8.13	2.54	8.50	2.59	8.87	2.64	9.06	2.66	9.62	2.74	9.99	2.79
	25.0	7.90	2.63	8.27	2.68	8.65	2.73	8.83	2.75	9.39	2.83	9.76	2.88
	32.0	7.38	2.86	7.75	2.91	8.12	2.96	8.31	2.99	8.86	3.06	9.24	3.11
	35.0	7.15	2.97	7.52	3.02	7.89	3.07	8.08	3.09	8.64	3.17	9.01	3.22
	40.0	6.77	3.16	7.14	3.19	7.49	3.19	7.66	3.19	8.17	3.19	8.50	3.19
	43.0	6.28	2.63	6.57	2.63	6.86	2.63	7.00	2.63	7.42	2.63	7.69	2.63
	46.0	5.51	2.08	5.74	2.08	5.97	2.08	6.08	2.08	6.40	2.08	6.62	2.08
5.0+6.0	22.0	8.36	2.59	8.74	2.64	9.12	2.69	9.32	2.71	9.89	2.79	10.27	2.84
	25.0	8.13	2.68	8.51	2.73	8.89	2.78	9.08	2.81	9.66	2.88	10.04	2.93
	32.0	7.59	2.92	7.97	2.97	8.35	3.02	8.54	3.04	9.12	3.12	9.50	3.17
	35.0	7.35	3.03	7.74	3.08	8.12	3.13	8.31	3.15	8.88	3.23	9.27	3.28
	40.0	6.96	3.19	7.32	3.19	7.68	3.19	7.85	3.19	8.36	3.19	8.70	3.19
	43.0	6.42	2.63	6.72	2.63	7.01	2.63	7.16	2.63	7.58	2.63	7.85	2.63
	46.0	5.63	2.08	5.86	2.08	6.09	2.08	6.20	2.08	6.53	2.08	6.75	2.08
5.0+7.1	22.0	8.54	2.82	8.93	2.87	9.32	2.93	9.52	2.96	10.10	3.04	10.50	3.09
	25.0	8.30	2.92	8.69	2.97	9.09	3.03	9.28	3.06	9.87	3.14	10.26	3.19
	32.0	7.75	3.18	8.14	3.23	8.53	3.29	8.73	3.31	9.31	3.40	9.71	3.45
	35.0	7.51	3.30	7.90	3.35	8.29	3.41	8.49	3.43	9.08	3.52	9.47	3.57
	40.0	7.08	3.19	7.43	3.19	7.78	3.19	7.95	3.19	8.46	3.19	8.78	3.19
	43.0	6.57	2.63	6.86	2.63	7.14	2.63	7.28	2.63	7.70	2.63	7.97	2.63
	46.0	5.77	2.08	6.00	2.08	6.22	2.08	6.33	2.08	6.66	2.08	6.87	2.08
6.0+6.0	22.0	8.52	2.78	8.91	2.83	9.30	2.89	9.50	2.91	10.08	2.99	10.47	3.05
	25.0	8.28	2.88	8.67	2.93	9.06	2.99	9.26	3.01	9.84	3.09	10.23	3.15
	32.0	7.73	3.13	8.12	3.19	8.51	3.24	8.71	3.27	9.29	3.35	9.68	3.40
	35.0	7.49	3.25	7.88	3.30	8.27	3.36	8.47	3.38	9.06	3.46	9.45	3.52
	40.0	7.06	3.19	7.42	3.19	7.77	3.19	7.94	3.19	8.45	3.19	8.77	3.19
	43.0	6.54	2.63	6.84	2.63	7.12	2.63	7.26	2.63	7.68	2.63	7.95	2.63
	46.0	5.75	2.08	5.98	2.08	6.20	2.08	6.31	2.08	6.64	2.08	6.85	2.08
6.0+7.1	22.0	8.62	2.87	9.02	2.92	9.41	2.98	9.61	3.01	10.20	3.09	10.59	3.15
	25.0	8.38	2.97	8.78	3.03	9.17	3.08	9.37	3.11	9.96	3.19	10.36	3.25
	32.0	7.82	3.23	8.22	3.29	8.61	3.34	8.81	3.37	9.40	3.46	9.80	3.51
	35.0	7.58	3.35	7.98	3.41	8.37	3.47	8.57	3.49	9.16	3.58	9.56	3.63
	40.0	7.15	3.19	7.50	3.19	7.85	3.19	8.02	3.19	8.52	3.19	8.85	3.19
	43.0	6.63	2.63	6.92	2.63	7.20	2.63	7.34	2.63	7.76	2.63	8.03	2.63
	46.0	5.82	2.08	6.05	2.08	6.28	2.08	6.39	2.08	6.71	2.08	6.92	2.08
2.5+2.5+2.5	22.0	7.65	2.19	8.01	2.24	8.36	2.28	8.53	2.30	9.06	2.37	9.41	2.41
	25.0	7.44	2.27	7.79	2.32	8.14	2.36	8.32	2.38	8.84	2.44	9.20	2.49
	32.0	6.95	2.47	7.30	2.52	7.65	2.56	7.82	2.58	8.35	2.64	8.70	2.69
	35.0	6.73	2.57	7.08	2.61	7.43	2.65	7.61	2.67	8.14	2.74	8.49	2.78
	40.0	6.38	2.73	6.73	2.77	7.08	2.82	7.26	2.84	7.78	2.90	8.13	2.94
	43.0	6.05	2.63	6.35	2.63	6.65	2.63	6.79	2.63	7.22	2.63	7.50	2.63
	46.0	5.28	2.08	5.52	2.08	5.75	2.08	5.86	2.08	6.20	2.08	6.42	2.08
2.5+2.5+3.5	22.0	7.82	2.31	8.17	2.35	8.53	2.40	8.71	2.42	9.25	2.49	9.61	2.53
	25.0	7.60	2.39	7.96	2.44	8.31	2.48	8.49	2.50	9.03	2.57	9.39	2.62
	32.0	7.09	2.60	7.45	2.65	7.81	2.69	7.99	2.72	8.52	2.78	8.88	2.83
	35.0	6.88	2.70	7.23	2.75	7.59	2.79	7.77	2.81	8.31	2.88	8.66	2.93
	40.0	6.51	2.87	6.87	2.92	7.23	2.96	7.41	2.99	7.95	3.05	8.30	3.10
	43.0	6.11	2.63	6.41	2.63	6.70	2.63	6.85	2.63	7.27	2.63	7.55	2.63
	46.0	5.35	2.08	5.58	2.08	5.81	2.08	5.92	2.08	6.26	2.08	6.47	2.08

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+5.0	22.0	8.23	2.36	8.61	2.40	8.98	2.45	9.17	2.47	9.74	2.54	10.11	2.59
	25.0	8.00	2.44	8.38	2.49	8.75	2.54	8.94	2.56	9.51	2.63	9.88	2.67
	32.0	7.47	2.66	7.84	2.70	8.22	2.75	8.41	2.77	8.97	2.84	9.35	2.89
	35.0	7.24	2.76	7.61	2.80	7.99	2.85	8.18	2.87	8.75	2.94	9.12	2.99
	40.0	6.86	2.93	7.23	2.98	7.61	3.03	7.80	3.05	8.36	3.12	8.74	3.16
	43.0	6.38	2.63	6.69	2.63	6.99	2.63	7.14	2.63	7.58	2.63	7.86	2.63
	46.0	5.56	2.08	5.80	2.08	6.03	2.08	6.15	2.08	6.49	2.08	6.71	2.08
2.5+2.5+6.0	22.0	8.37	2.42	8.75	2.47	9.14	2.52	9.33	2.54	9.90	2.61	10.29	2.66
	25.0	8.14	2.51	8.52	2.56	8.90	2.61	9.09	2.63	9.67	2.70	10.05	2.75
	32.0	7.59	2.73	7.98	2.78	8.36	2.83	8.55	2.85	9.13	2.92	9.51	2.97
	35.0	7.36	2.84	7.75	2.88	8.13	2.93	8.32	2.95	8.89	3.02	9.28	3.07
	40.0	6.97	3.02	7.36	3.06	7.74	3.11	7.93	3.13	8.50	3.19	8.84	3.19
	43.0	6.46	2.63	6.76	2.63	7.06	2.63	7.21	2.63	7.65	2.63	7.93	2.63
	46.0	5.62	2.08	5.86	2.08	6.10	2.08	6.21	2.08	6.55	2.08	6.78	2.08
2.5+2.5+7.1	22.0	8.57	2.56	8.96	2.61	9.36	2.66	9.55	2.68	10.14	2.75	10.53	2.80
	25.0	8.33	2.65	8.72	2.70	9.12	2.75	9.31	2.77	9.90	2.85	10.29	2.90
	32.0	7.78	2.88	8.17	2.93	8.56	2.98	8.76	3.01	9.35	3.08	9.74	3.13
	35.0	7.54	2.99	7.93	3.04	8.32	3.09	8.52	3.11	9.11	3.19	9.50	3.24
	40.0	7.14	3.18	7.52	3.19	7.88	3.19	8.06	3.19	8.59	3.19	8.93	3.19
	43.0	6.56	2.63	6.87	2.63	7.17	2.63	7.31	2.63	7.74	2.63	8.02	2.63
	46.0	5.72	2.08	5.96	2.08	6.19	2.08	6.31	2.08	6.65	2.08	6.87	2.08
2.5+3.5+3.5	22.0	8.04	2.45	8.41	2.50	8.77	2.54	8.96	2.57	9.51	2.64	9.88	2.69
	25.0	7.81	2.54	8.18	2.58	8.55	2.63	8.73	2.66	9.29	2.73	9.65	2.78
	32.0	7.29	2.76	7.66	2.81	8.03	2.86	8.21	2.88	8.77	2.95	9.13	3.00
	35.0	7.07	2.86	7.44	2.91	7.81	2.96	7.99	2.98	8.54	3.05	8.91	3.10
	40.0	6.70	3.05	7.07	3.09	7.43	3.14	7.62	3.17	8.14	3.19	8.47	3.19
	43.0	6.23	2.63	6.52	2.63	6.81	2.63	6.96	2.63	7.38	2.63	7.65	2.63
	46.0	5.46	2.08	5.69	2.08	5.92	2.08	6.03	2.08	6.36	2.08	6.57	2.08
2.5+3.5+5.0	22.0	8.37	2.46	8.75	2.51	9.14	2.55	9.33	2.58	9.90	2.65	10.29	2.70
	25.0	8.14	2.55	8.52	2.59	8.90	2.64	9.09	2.67	9.67	2.74	10.05	2.78
	32.0	7.59	2.77	7.98	2.82	8.36	2.87	8.55	2.89	9.13	2.96	9.51	3.01
	35.0	7.36	2.87	7.75	2.92	8.13	2.97	8.32	2.99	8.89	3.06	9.28	3.11
	40.0	6.97	3.06	7.36	3.11	7.74	3.15	7.93	3.18	8.47	3.19	8.81	3.19
	43.0	6.45	2.63	6.75	2.63	7.05	2.63	7.20	2.63	7.63	2.63	7.91	2.63
	46.0	5.62	2.08	5.86	2.08	6.09	2.08	6.21	2.08	6.55	2.08	6.77	2.08
2.5+3.5+6.0	22.0	8.55	2.51	8.94	2.56	9.33	2.60	9.53	2.63	10.12	2.70	10.51	2.75
	25.0	8.31	2.60	8.70	2.65	9.10	2.69	9.29	2.72	9.88	2.79	10.27	2.84
	32.0	7.76	2.83	8.15	2.87	8.54	2.92	8.74	2.95	9.32	3.02	9.72	3.07
	35.0	7.52	2.93	7.91	2.98	8.30	3.03	8.50	3.05	9.09	3.13	9.48	3.18
	40.0	7.13	3.12	7.52	3.17	7.89	3.19	8.07	3.19	8.60	3.19	8.95	3.19
	43.0	6.56	2.63	6.86	2.63	7.16	2.63	7.31	2.63	7.75	2.63	8.03	2.63
	46.0	5.71	2.08	5.95	2.08	6.19	2.08	6.30	2.08	6.64	2.08	6.86	2.08
2.5+3.5+7.1	22.0	8.75	2.68	9.15	2.73	9.55	2.78	9.75	2.81	10.35	2.89	10.76	2.94
	25.0	8.51	2.78	8.91	2.83	9.31	2.88	9.51	2.91	10.11	2.98	10.51	3.04
	32.0	7.94	3.02	8.34	3.07	8.74	3.12	8.94	3.15	9.54	3.23	9.95	3.28
	35.0	7.70	3.13	8.10	3.19	8.50	3.24	8.70	3.26	9.30	3.34	9.70	3.39
	40.0	7.25	3.19	7.62	3.19	7.98	3.19	8.16	3.19	8.68	3.19	9.02	3.19
	43.0	6.67	2.63	6.97	2.63	7.27	2.63	7.42	2.63	7.85	2.63	8.12	2.63
	46.0	5.82	2.08	6.06	2.08	6.29	2.08	6.41	2.08	6.74	2.08	6.96	2.08
2.5+5.0+5.0	22.0	8.65	2.44	9.05	2.49	9.44	2.54	9.64	2.56	10.24	2.63	10.63	2.68
	25.0	8.41	2.53	8.81	2.58	9.20	2.62	9.40	2.65	10.00	2.72	10.39	2.77
	32.0	7.85	2.75	8.25	2.80	8.64	2.85	8.84	2.87	9.43	2.94	9.83	2.99
	35.0	7.61	2.85	8.01	2.90	8.40	2.95	8.60	2.97	9.19	3.04	9.59	3.09
	40.0	7.21	3.04	7.61	3.08	8.00	3.13	8.20	3.16	8.76	3.19	9.11	3.19
	43.0	6.64	2.63	6.96	2.63	7.26	2.63	7.41	2.63	7.86	2.63	8.15	2.63
	46.0	5.76	2.08	6.01	2.08	6.25	2.08	6.37	2.08	6.71	2.08	6.94	2.08
2.5+5.0+6.0	22.0	8.80	2.53	9.20	2.58	9.61	2.63	9.81	2.65	10.41	2.73	10.82	2.78
	25.0	8.56	2.62	8.96	2.67	9.36	2.72	9.56	2.75	10.17	2.82	10.57	2.87
	32.0	7.99	2.85	8.39	2.90	8.79	2.95	8.99	2.98	9.60	3.05	10.00	3.10
	35.0	7.74	2.96	8.15	3.01	8.55	3.06	8.75	3.08	9.35	3.16	9.76	3.21
	40.0	7.33	3.15	7.73	3.19	8.11	3.19	8.29	3.19	8.83	3.19	9.18	3.19
	43.0	6.72	2.63	7.03	2.63	7.33	2.63	7.48	2.63	7.93	2.63	8.21	2.63
	46.0	5.83	2.08	6.07	2.08	6.31	2.08	6.43	2.08	6.78	2.08	7.00	2.08

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+3.5+3.5	22.0	8.30	2.56	8.68	2.61	9.06	2.66	9.25	2.68	9.82	2.75	10.20	2.80
	25.0	8.07	2.65	8.45	2.70	8.83	2.75	9.02	2.77	9.59	2.85	9.97	2.90
	32.0	7.53	2.88	7.91	2.93	8.29	2.98	8.48	3.01	9.05	3.08	9.43	3.13
	35.0	7.30	2.99	7.68	3.04	8.06	3.09	8.25	3.11	8.82	3.19	9.20	3.24
	40.0	6.92	3.18	7.28	3.19	7.64	3.19	7.81	3.19	8.33	3.19	8.66	3.19
	43.0	6.39	2.63	6.68	2.63	6.98	2.63	7.12	2.63	7.54	2.63	7.82	2.63
	46.0	5.59	2.08	5.83	2.08	6.05	2.08	6.17	2.08	6.50	2.08	6.71	2.08
3.5+3.5+5.0	22.0	8.56	2.58	8.95	2.63	9.34	2.68	9.54	2.71	10.13	2.78	10.52	2.83
	25.0	8.32	2.67	8.71	2.72	9.11	2.77	9.30	2.80	9.89	2.87	10.28	2.92
	32.0	7.77	2.91	8.16	2.96	8.55	3.01	8.75	3.03	9.34	3.11	9.73	3.16
	35.0	7.53	3.02	7.92	3.07	8.31	3.12	8.51	3.14	9.10	3.22	9.49	3.27
	40.0	7.13	3.19	7.50	3.19	7.86	3.19	8.04	3.19	8.56	3.19	8.90	3.19
	43.0	6.55	2.63	6.86	2.63	7.15	2.63	7.30	2.63	7.73	2.63	8.01	2.63
	46.0	5.72	2.08	5.96	2.08	6.19	2.08	6.30	2.08	6.64	2.08	6.86	2.08
3.5+3.5+6.0	22.0	8.70	2.68	9.10	2.73	9.50	2.78	9.70	2.81	10.29	2.89	10.69	2.94
	25.0	8.46	2.78	8.86	2.83	9.26	2.88	9.46	2.91	10.05	2.98	10.45	3.04
	32.0	7.90	3.02	8.29	3.07	8.69	3.12	8.89	3.15	9.49	3.23	9.89	3.28
	35.0	7.65	3.13	8.05	3.19	8.45	3.24	8.65	3.26	9.25	3.34	9.65	3.39
	40.0	7.21	3.19	7.58	3.19	7.94	3.19	8.12	3.19	8.64	3.19	8.98	3.19
	43.0	6.64	2.63	6.94	2.63	7.24	2.63	7.38	2.63	7.81	2.63	8.09	2.63
	46.0	5.80	2.08	6.04	2.08	6.27	2.08	6.38	2.08	6.72	2.08	6.93	2.08
3.5+5.0+5.0	22.0	8.80	2.49	9.20	2.54	9.61	2.59	9.81	2.61	10.41	2.68	10.82	2.73
	25.0	8.56	2.58	8.96	2.63	9.36	2.68	9.56	2.70	10.17	2.77	10.57	2.82
	32.0	7.99	2.81	8.39	2.86	8.79	2.90	8.99	2.93	9.60	3.00	10.00	3.05
	35.0	7.74	2.91	8.15	2.96	8.55	3.01	8.75	3.03	9.35	3.11	9.76	3.15
	40.0	7.33	3.10	7.74	3.15	8.14	3.19	8.32	3.19	8.86	3.19	9.22	3.19
	43.0	6.73	2.63	7.04	2.63	7.35	2.63	7.50	2.63	7.95	2.63	8.24	2.63
	46.0	5.83	2.08	6.08	2.08	6.32	2.08	6.44	2.08	6.79	2.08	7.01	2.08

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0, 6.0, 7.1kW class; wall mounted F series

3D050161#1
3D050161#2
3D050161#3

[Cooling Capacity 50/60Hz 230V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.82	3.68	0.94	3.76	0.95	3.99	0.97	4.14	0.99
	25.0	2.63	0.70	3.23	0.88	3.58	0.97	3.66	0.98	3.89	1.01	4.05	1.02
	32.0	2.63	0.83	3.21	1.04	3.37	1.05	3.44	1.06	3.68	1.09	3.83	1.11
	35.0	2.63	0.89	3.12	1.07	3.27	1.09	3.35	1.10	3.58	1.13	3.74	1.15
	40.0	2.63	1.02	2.96	1.14	3.12	1.16	3.19	1.17	3.43	1.20	3.58	1.21
	43.0	2.63	1.11	2.87	1.19	3.02	1.20	3.10	1.21	3.33	1.24	3.49	1.26
	46.0	2.62	1.21	2.78	1.23	2.93	1.25	3.01	1.26	3.24	1.28	3.39	1.30
3.5	22.0	3.00	0.78	3.68	1.00	4.42	1.25	4.65	1.32	4.94	1.36	5.13	1.38
	25.0	3.00	0.84	3.68	1.07	4.42	1.34	4.54	1.36	4.82	1.40	5.01	1.42
	32.0	3.00	1.00	3.68	1.28	4.17	1.47	4.27	1.48	4.55	1.52	4.74	1.54
	35.0	3.00	1.08	3.68	1.38	4.05	1.52	4.15	1.53	4.44	1.57	4.63	1.59
	40.0	3.00	1.23	3.67	1.59	3.86	1.61	3.96	1.63	4.24	1.66	4.43	1.69
	43.0	3.00	1.35	3.55	1.65	3.75	1.67	3.84	1.69	4.13	1.72	4.32	1.75
	46.0	3.00	1.48	3.44	1.71	3.63	1.73	3.72	1.75	4.01	1.78	4.20	1.81
5.0	22.0	4.33	1.05	5.32	1.36	6.37	1.74	6.50	1.76	6.90	1.81	7.17	1.84
	25.0	4.33	1.13	5.32	1.47	6.21	1.80	6.34	1.82	6.74	1.87	7.01	1.90
	32.0	4.33	1.35	5.32	1.77	5.83	1.95	5.96	1.97	6.36	2.02	6.63	2.05
	35.0	4.33	1.46	5.32	1.94	5.67	2.03	5.80	2.04	6.20	2.09	6.47	2.12
	40.0	4.33	1.69	5.13	2.12	5.40	2.15	5.53	2.17	5.93	2.22	6.20	2.25
	43.0	4.33	1.86	4.97	2.20	5.23	2.23	5.37	2.25	5.77	2.30	6.04	2.33
	46.0	4.33	2.05	4.72	2.17	4.95	2.17	5.06	2.17	5.39	2.17	5.60	2.17

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
6.0	22.0	5.60	1.62	6.79	2.14	7.08	2.19	7.23	2.21	7.68	2.27	7.97	2.31
	25.0	5.60	1.75	6.60	2.22	6.90	2.26	7.05	2.28	7.50	2.34	7.79	2.38
	32.0	5.60	2.15	6.18	2.41	6.48	2.45	6.63	2.47	7.08	2.54	7.37	2.58
	35.0	5.60	2.37	6.00	2.50	6.30	2.54	6.45	2.56	6.90	2.62	7.19	2.67
	40.0	5.41	2.62	5.70	2.66	6.00	2.70	6.15	2.72	6.60	2.78	6.89	2.82
	43.0	5.23	2.72	5.52	2.75	5.80	2.75	5.94	2.75	6.34	2.75	6.60	2.75
	46.0	4.73	2.17	4.95	2.17	5.17	2.17	5.28	2.17	5.60	2.17	5.80	2.17
7.1	22.0	5.94	1.70	7.29	2.33	7.89	2.56	8.06	2.59	8.56	2.66	8.89	2.71
	25.0	5.94	1.84	7.29	2.55	7.69	2.65	7.86	2.67	8.36	2.75	8.69	2.79
	32.0	5.94	2.26	6.89	2.83	7.23	2.87	7.39	2.90	7.89	2.97	8.22	3.02
	35.0	5.94	2.48	6.69	2.93	7.02	2.98	7.19	3.00	7.69	3.08	8.02	3.12
	40.0	5.94	2.96	6.36	3.12	6.69	3.16	6.86	3.19	7.35	3.26	7.68	3.31
	43.0	5.75	2.75	6.04	2.75	6.32	2.75	6.45	2.75	6.86	2.75	7.12	2.75
	46.0	5.17	2.17	5.40	2.17	5.62	2.17	5.72	2.17	6.04	2.17	6.25	2.17
2.5+2.5	22.0	5.26	1.41	6.46	1.89	6.92	2.02	7.06	2.04	7.50	2.10	7.79	2.14
	25.0	5.26	1.53	6.45	2.06	6.74	2.09	6.89	2.11	7.32	2.17	7.61	2.21
	32.0	5.26	1.86	6.04	2.23	6.33	2.27	6.48	2.29	6.91	2.35	7.20	2.38
	35.0	5.26	2.04	5.86	2.32	6.15	2.35	6.30	2.37	6.74	2.43	7.03	2.47
	40.0	5.26	2.40	5.57	2.46	5.86	2.50	6.01	2.52	6.44	2.57	6.73	2.61
	43.0	5.11	2.52	5.40	2.55	5.69	2.59	5.83	2.61	6.27	2.67	6.56	2.71
	46.0	4.67	2.17	4.90	2.17	5.12	2.17	5.23	2.17	5.56	2.17	5.77	2.17
2.5+3.5	22.0	5.63	1.56	6.91	2.12	7.36	2.24	7.51	2.26	7.97	2.32	8.28	2.36
	25.0	5.63	1.69	6.86	2.27	7.17	2.31	7.32	2.34	7.79	2.40	8.10	2.44
	32.0	5.63	2.06	6.42	2.47	6.73	2.51	6.89	2.53	7.35	2.59	7.66	2.64
	35.0	5.63	2.27	6.24	2.56	6.55	2.60	6.70	2.62	7.16	2.69	7.47	2.73
	40.0	5.62	2.68	5.93	2.72	6.23	2.76	6.39	2.78	6.85	2.85	7.16	2.89
	43.0	5.42	2.75	5.71	2.75	6.00	2.75	6.14	2.75	6.55	2.75	6.81	2.75
	46.0	4.87	2.17	5.10	2.17	5.32	2.17	5.43	2.17	5.75	2.17	5.96	2.17
2.5+5.0	22.0	6.96	2.02	7.66	2.27	7.99	2.31	8.16	2.34	8.66	2.40	9.00	2.44
	25.0	6.96	2.21	7.45	2.35	7.79	2.39	7.96	2.42	8.46	2.48	8.80	2.52
	32.0	6.64	2.51	6.98	2.55	7.32	2.60	7.48	2.62	7.99	2.68	8.32	2.73
	35.0	6.44	2.60	6.78	2.65	7.11	2.69	7.28	2.71	7.78	2.78	8.12	2.82
	40.0	6.10	2.77	6.44	2.81	6.77	2.86	6.94	2.88	7.44	2.94	7.78	2.99
	43.0	5.85	2.75	6.15	2.75	6.45	2.75	6.60	2.75	7.03	2.75	7.30	2.75
	46.0	5.20	2.17	5.44	2.17	5.67	2.17	5.79	2.17	6.12	2.17	6.34	2.17
2.5+6.0	22.0	7.66	2.43	8.02	2.48	8.37	2.53	8.54	2.55	9.07	2.62	9.42	2.67
	25.0	7.45	2.52	7.80	2.57	8.15	2.61	8.33	2.64	8.86	2.71	9.21	2.76
	32.0	6.96	2.74	7.31	2.79	7.66	2.84	7.83	2.86	8.36	2.93	8.71	2.98
	35.0	6.74	2.84	7.09	2.89	7.44	2.94	7.62	2.96	8.15	3.03	8.50	3.08
	40.0	6.39	3.03	6.74	3.07	7.09	3.12	7.27	3.14	7.79	3.22	8.14	3.26
	43.0	6.05	2.75	6.35	2.75	6.65	2.75	6.79	2.75	7.22	2.75	7.49	2.75
	46.0	5.39	2.17	5.62	2.17	5.85	2.17	5.97	2.17	6.30	2.17	6.52	2.17
2.5+7.1	22.0	8.03	2.59	8.39	2.64	8.76	2.69	8.95	2.71	9.50	2.79	9.87	2.84
	25.0	7.80	2.68	8.17	2.73	8.54	2.78	8.72	2.81	9.27	2.88	9.64	2.93
	32.0	7.28	2.92	7.65	2.97	8.02	3.02	8.20	3.04	8.75	3.12	9.12	3.17
	35.0	7.06	3.03	7.43	3.08	7.80	3.13	7.98	3.15	8.53	3.23	8.90	3.28
	40.0	6.69	3.22	7.06	3.27	7.42	3.32	7.61	3.34	8.13	3.34	8.46	3.34
	43.0	6.30	2.75	6.60	2.75	6.90	2.75	7.04	2.75	7.47	2.75	7.75	2.75
	46.0	5.60	2.17	5.83	2.17	6.07	2.17	6.18	2.17	6.52	2.17	6.73	2.17
3.5+3.5	22.0	6.00	1.70	7.37	2.34	7.91	2.52	8.07	2.54	8.57	2.61	8.90	2.66
	25.0	6.00	1.85	7.37	2.56	7.70	2.61	7.87	2.63	8.37	2.70	8.70	2.75
	32.0	6.00	2.26	6.90	2.78	7.24	2.83	7.40	2.85	7.90	2.92	8.23	2.97
	35.0	6.00	2.49	6.70	2.88	7.03	2.93	7.20	2.95	7.70	3.02	8.03	3.07
	40.0	6.00	2.98	6.37	3.06	6.70	3.11	6.86	3.13	7.36	3.21	7.69	3.25
	43.0	5.75	2.75	6.04	2.75	6.33	2.75	6.46	2.75	6.87	2.75	7.14	2.75
	46.0	5.17	2.17	5.39	2.17	5.62	2.17	5.72	2.17	6.05	2.17	6.25	2.17
3.5+5.0	22.0	7.33	2.22	8.10	2.53	8.45	2.58	8.63	2.60	9.16	2.68	9.52	2.72
	25.0	7.33	2.43	7.88	2.62	8.24	2.67	8.42	2.69	8.95	2.76	9.30	2.81
	32.0	7.03	2.80	7.38	2.85	7.74	2.89	7.92	2.92	8.45	2.99	8.80	3.04
	35.0	6.81	2.90	7.17	2.95	7.52	3.00	7.70	3.02	8.23	3.10	8.59	3.14
	40.0	6.45	3.09	6.81	3.14	7.16	3.18	7.34	3.21	7.87	3.28	8.23	3.33
	43.0	6.11	2.75	6.41	2.75	6.70	2.75	6.84	2.75	7.27	2.75	7.55	2.75
	46.0	5.44	2.17	5.67	2.17	5.90	2.17	6.01	2.17	6.35	2.17	6.56	2.17

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+6.0	22.0	7.98	2.51	8.34	2.56	8.71	2.61	8.89	2.64	9.44	2.71	9.80	2.76
	25.0	7.76	2.61	8.12	2.65	8.49	2.70	8.67	2.73	9.22	2.80	9.58	2.85
	32.0	7.24	2.83	7.60	2.88	7.97	2.93	8.15	2.96	8.70	3.03	9.06	3.08
	35.0	7.02	2.94	7.38	2.99	7.75	3.04	7.93	3.06	8.48	3.14	8.84	3.19
	40.0	6.65	3.13	7.01	3.18	7.38	3.23	7.56	3.25	8.11	3.32	8.45	3.34
	43.0	6.26	2.75	6.57	2.75	6.87	2.75	7.01	2.75	7.45	2.75	7.73	2.75
	46.0	5.56	2.17	5.80	2.17	6.03	2.17	6.15	2.17	6.48	2.17	6.70	2.17
3.5+7.1	22.0	8.28	2.68	8.66	2.73	9.04	2.78	9.23	2.81	9.80	2.89	10.17	2.94
	25.0	8.05	2.78	8.43	2.83	8.81	2.88	9.00	2.91	9.57	2.98	9.94	3.04
	32.0	7.51	3.02	7.89	3.07	8.27	3.12	8.46	3.15	9.03	3.23	9.41	3.28
	35.0	7.28	3.13	7.66	3.19	8.04	3.24	8.23	3.26	8.80	3.34	9.18	3.39
	40.0	6.90	3.33	7.27	3.34	7.63	3.34	7.81	3.34	8.34	3.34	8.68	3.34
	43.0	6.47	2.75	6.78	2.75	7.08	2.75	7.22	2.75	7.65	2.75	7.93	2.75
	46.0	5.74	2.17	5.98	2.17	6.21	2.17	6.33	2.17	6.67	2.17	6.89	2.17
5.0+5.0	22.0	8.13	2.54	8.50	2.59	8.87	2.64	9.06	2.66	9.62	2.74	9.99	2.79
	25.0	7.90	2.63	8.27	2.68	8.65	2.73	8.83	2.75	9.39	2.83	9.76	2.88
	32.0	7.38	2.86	7.75	2.91	8.12	2.96	8.31	2.99	8.86	3.06	9.24	3.11
	35.0	7.15	2.97	7.52	3.02	7.89	3.07	8.08	3.09	8.64	3.17	9.01	3.22
	40.0	6.77	3.16	7.15	3.21	7.52	3.26	7.70	3.28	8.25	3.34	8.60	3.34
	43.0	6.37	2.75	6.67	2.75	6.97	2.75	7.12	2.75	7.56	2.75	7.84	2.75
	46.0	5.64	2.17	5.88	2.17	6.11	2.17	6.23	2.17	6.57	2.17	6.79	2.17
5.0+6.0	22.0	8.36	2.59	8.74	2.64	9.12	2.69	9.32	2.71	9.89	2.79	10.27	2.84
	25.0	8.13	2.68	8.51	2.73	8.89	2.78	9.08	2.81	9.66	2.88	10.04	2.93
	32.0	7.59	2.92	7.97	2.97	8.35	3.02	8.54	3.04	9.12	3.12	9.50	3.17
	35.0	7.35	3.03	7.74	3.08	8.12	3.13	8.31	3.15	8.88	3.23	9.27	3.28
	40.0	6.97	3.22	7.35	3.27	7.73	3.32	7.92	3.34	8.45	3.34	8.80	3.34
	43.0	6.52	2.75	6.83	2.75	7.14	2.75	7.29	2.75	7.73	2.75	8.01	2.75
	46.0	5.76	2.17	6.00	2.17	6.24	2.17	6.36	2.17	6.70	2.17	6.93	2.17
5.0+7.1	22.0	8.54	2.82	8.93	2.87	9.32	2.93	9.52	2.96	10.10	3.04	10.50	3.09
	25.0	8.30	2.92	8.69	2.97	9.09	3.03	9.28	3.06	9.87	3.14	10.26	3.19
	32.0	7.75	3.18	8.14	3.23	8.53	3.29	8.73	3.31	9.31	3.40	9.71	3.45
	35.0	7.51	3.30	7.90	3.35	8.29	3.41	8.49	3.43	9.08	3.52	9.47	3.57
	40.0	7.11	3.34	7.48	3.34	7.85	3.34	8.03	3.34	8.55	3.34	8.89	3.34
	43.0	6.67	2.75	6.97	2.75	7.27	2.75	7.42	2.75	7.85	2.75	8.13	2.75
	46.0	5.91	2.17	6.15	2.17	6.38	2.17	6.50	2.17	6.84	2.17	7.06	2.17
6.0+6.0	22.0	8.52	2.78	8.91	2.83	9.30	2.89	9.50	2.91	10.08	2.99	10.47	3.05
	25.0	8.28	2.88	8.67	2.93	9.06	2.99	9.26	3.01	9.84	3.09	10.23	3.15
	32.0	7.73	3.13	8.12	3.19	8.51	3.24	8.71	3.27	9.29	3.35	9.68	3.40
	35.0	7.49	3.25	7.88	3.30	8.27	3.36	8.47	3.38	9.06	3.46	9.45	3.52
	40.0	7.09	3.34	7.47	3.34	7.83	3.34	8.01	3.34	8.54	3.34	8.88	3.34
	43.0	6.64	2.75	6.95	2.75	7.25	2.75	7.40	2.75	7.83	2.75	8.11	2.75
	46.0	5.89	2.17	6.12	2.17	6.36	2.17	6.48	2.17	6.82	2.17	7.04	2.17
6.0+7.1	22.0	8.62	2.87	9.02	2.92	9.41	2.98	9.61	3.01	10.20	3.09	10.59	3.15
	25.0	8.38	2.97	8.78	3.03	9.17	3.08	9.37	3.11	9.96	3.19	10.36	3.25
	32.0	7.82	3.23	8.22	3.29	8.61	3.34	8.81	3.37	9.40	3.46	9.80	3.51
	35.0	7.58	3.35	7.98	3.41	8.37	3.47	8.57	3.49	9.16	3.58	9.56	3.63
	40.0	7.18	3.34	7.55	3.34	7.92	3.34	8.09	3.34	8.62	3.34	8.96	3.34
	43.0	6.73	2.75	7.04	2.75	7.33	2.75	7.48	2.75	7.91	2.75	8.19	2.75
	46.0	5.97	2.17	6.20	2.17	6.44	2.17	6.55	2.17	6.89	2.17	7.11	2.17
2.5+2.5+2.5	22.0	7.65	2.19	8.01	2.24	8.36	2.28	8.53	2.30	9.06	2.37	9.41	2.41
	25.0	7.44	2.27	7.79	2.32	8.14	2.36	8.32	2.38	8.84	2.44	9.20	2.49
	32.0	6.95	2.47	7.30	2.52	7.65	2.56	7.82	2.58	8.35	2.64	8.70	2.69
	35.0	6.73	2.57	7.08	2.61	7.43	2.65	7.61	2.67	8.14	2.74	8.49	2.78
	40.0	6.38	2.73	6.73	2.77	7.08	2.82	7.26	2.84	7.78	2.90	8.13	2.94
	43.0	6.12	2.75	6.44	2.75	6.75	2.75	6.90	2.75	7.35	2.75	7.64	2.75
	46.0	5.40	2.17	5.65	2.17	5.89	2.17	6.01	2.17	6.36	2.17	6.59	2.17
2.5+2.5+3.5	22.0	7.82	2.31	8.17	2.35	8.53	2.40	8.71	2.42	9.25	2.49	9.61	2.53
	25.0	7.60	2.39	7.96	2.44	8.31	2.48	8.49	2.50	9.03	2.57	9.39	2.62
	32.0	7.09	2.60	7.45	2.65	7.81	2.69	7.99	2.72	8.52	2.78	8.88	2.83
	35.0	6.88	2.70	7.23	2.75	7.59	2.79	7.77	2.81	8.31	2.88	8.66	2.93
	40.0	6.51	2.87	6.87	2.92	7.23	2.96	7.41	2.99	7.95	3.05	8.30	3.10
	43.0	6.19	2.75	6.50	2.75	6.81	2.75	6.96	2.75	7.40	2.75	7.69	2.75
	46.0	5.47	2.17	5.71	2.17	5.95	2.17	6.07	2.17	6.42	2.17	6.64	2.17

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+5.0	22.0	8.23	2.36	8.61	2.40	8.98	2.45	9.17	2.47	9.74	2.54	10.11	2.59
	25.0	8.00	2.44	8.38	2.49	8.75	2.54	8.94	2.56	9.51	2.63	9.88	2.67
	32.0	7.47	2.66	7.84	2.70	8.22	2.75	8.41	2.77	8.97	2.84	9.35	2.89
	35.0	7.24	2.76	7.61	2.80	7.99	2.85	8.18	2.87	8.75	2.94	9.12	2.99
	40.0	6.86	2.93	7.23	2.98	7.61	3.03	7.80	3.05	8.36	3.12	8.74	3.16
	43.0	6.47	2.75	6.80	2.75	7.11	2.75	7.27	2.75	7.72	2.75	8.02	2.75
	46.0	5.69	2.17	5.94	2.17	6.18	2.17	6.31	2.17	6.66	2.17	6.89	2.17
2.5+2.5+6.0	22.0	8.37	2.42	8.75	2.47	9.14	2.52	9.33	2.54	9.90	2.61	10.29	2.66
	25.0	8.14	2.51	8.52	2.56	8.90	2.61	9.09	2.63	9.67	2.70	10.05	2.75
	32.0	7.59	2.73	7.98	2.78	8.36	2.83	8.55	2.85	9.13	2.92	9.51	2.97
	35.0	7.36	2.84	7.75	2.88	8.13	2.93	8.32	2.95	8.89	3.02	9.28	3.07
	40.0	6.97	3.02	7.36	3.06	7.74	3.11	7.93	3.13	8.51	3.21	8.89	3.25
	43.0	6.55	2.75	6.87	2.75	7.19	2.75	7.34	2.75	7.80	2.75	8.09	2.75
	46.0	5.75	2.17	6.01	2.17	6.25	2.17	6.37	2.17	6.73	2.17	6.96	2.17
2.5+2.5+7.1	22.0	8.57	2.56	8.96	2.61	9.36	2.66	9.55	2.68	10.14	2.75	10.53	2.80
	25.0	8.33	2.65	8.72	2.70	9.12	2.75	9.31	2.77	9.90	2.85	10.29	2.90
	32.0	7.78	2.88	8.17	2.93	8.56	2.98	8.76	3.01	9.35	3.08	9.74	3.13
	35.0	7.54	2.99	7.93	3.04	8.32	3.09	8.52	3.11	9.11	3.19	9.50	3.24
	40.0	7.14	3.18	7.53	3.23	7.93	3.28	8.12	3.30	8.69	3.34	9.04	3.34
	43.0	6.66	2.75	6.98	2.75	7.29	2.75	7.45	2.75	7.90	2.75	8.19	2.75
	46.0	5.86	2.17	6.11	2.17	6.35	2.17	6.47	2.17	6.83	2.17	7.06	2.17
2.5+3.5+3.5	22.0	8.04	2.45	8.41	2.50	8.77	2.54	8.96	2.57	9.51	2.64	9.88	2.69
	25.0	7.81	2.54	8.18	2.58	8.55	2.63	8.73	2.66	9.29	2.73	9.65	2.78
	32.0	7.29	2.76	7.66	2.81	8.03	2.86	8.21	2.88	8.77	2.95	9.13	3.00
	35.0	7.07	2.86	7.44	2.91	7.81	2.96	7.99	2.98	8.54	3.05	8.91	3.10
	40.0	6.70	3.05	7.07	3.09	7.43	3.14	7.62	3.17	8.17	3.24	8.54	3.29
	43.0	6.31	2.75	6.62	2.75	6.93	2.75	7.08	2.75	7.52	2.75	7.80	2.75
	46.0	5.58	2.17	5.83	2.17	6.06	2.17	6.18	2.17	6.52	2.17	6.75	2.17
2.5+3.5+5.0	22.0	8.37	2.46	8.75	2.51	9.14	2.55	9.33	2.58	9.90	2.65	10.29	2.70
	25.0	8.14	2.55	8.52	2.59	8.90	2.64	9.09	2.67	9.67	2.74	10.05	2.78
	32.0	7.59	2.77	7.98	2.82	8.36	2.87	8.55	2.89	9.13	2.96	9.51	3.01
	35.0	7.36	2.87	7.75	2.92	8.13	2.97	8.32	2.99	8.89	3.06	9.28	3.11
	40.0	6.97	3.06	7.36	3.11	7.74	3.15	7.93	3.18	8.51	3.25	8.89	3.30
	43.0	6.54	2.75	6.86	2.75	7.17	2.75	7.33	2.75	7.78	2.75	8.07	2.75
	46.0	5.75	2.17	6.00	2.17	6.25	2.17	6.37	2.17	6.72	2.17	6.95	2.17
2.5+3.5+6.0	22.0	8.55	2.51	8.94	2.56	9.33	2.60	9.53	2.63	10.12	2.70	10.51	2.75
	25.0	8.31	2.60	8.70	2.65	9.10	2.69	9.29	2.72	9.88	2.79	10.27	2.84
	32.0	7.76	2.83	8.15	2.87	8.54	2.92	8.74	2.95	9.32	3.02	9.72	3.07
	35.0	7.52	2.93	7.91	2.98	8.30	3.03	8.50	3.05	9.09	3.13	9.48	3.18
	40.0	7.13	3.12	7.52	3.17	7.91	3.22	8.10	3.24	8.69	3.31	9.06	3.34
	43.0	6.66	2.75	6.98	2.75	7.29	2.75	7.45	2.75	7.90	2.75	8.20	2.75
	46.0	5.85	2.17	6.10	2.17	6.34	2.17	6.46	2.17	6.82	2.17	7.05	2.17
2.5+3.5+7.1	22.0	8.75	2.68	9.15	2.73	9.55	2.78	9.75	2.81	10.35	2.89	10.76	2.94
	25.0	8.51	2.78	8.91	2.83	9.31	2.88	9.51	2.91	10.11	2.98	10.51	3.04
	32.0	7.94	3.02	8.34	3.07	8.74	3.12	8.94	3.15	9.54	3.23	9.95	3.28
	35.0	7.70	3.13	8.10	3.19	8.50	3.24	8.70	3.26	9.30	3.34	9.70	3.39
	40.0	7.29	3.33	7.68	3.34	8.06	3.34	8.24	3.34	8.79	3.34	9.14	3.34
	43.0	6.78	2.75	7.09	2.75	7.40	2.75	7.56	2.75	8.00	2.75	8.30	2.75
	46.0	5.96	2.17	6.21	2.17	6.46	2.17	6.57	2.17	6.93	2.17	7.16	2.17
2.5+5.0+5.0	22.0	8.65	2.44	9.05	2.49	9.44	2.54	9.64	2.56	10.24	2.63	10.63	2.68
	25.0	8.41	2.53	8.81	2.58	9.20	2.62	9.40	2.65	10.00	2.72	10.39	2.77
	32.0	7.85	2.75	8.25	2.80	8.64	2.85	8.84	2.87	9.43	2.94	9.83	2.99
	35.0	7.61	2.85	8.01	2.90	8.40	2.95	8.60	2.97	9.19	3.04	9.59	3.09
	40.0	7.21	3.04	7.61	3.08	8.00	3.13	8.20	3.16	8.79	3.23	9.19	3.27
	43.0	6.75	2.75	7.07	2.75	7.40	2.75	7.55	2.75	8.02	2.75	8.32	2.75
	46.0	5.90	2.17	6.16	2.17	6.41	2.17	6.53	2.17	6.90	2.17	7.13	2.17
2.5+5.0+6.0	22.0	8.80	2.53	9.20	2.58	9.61	2.63	9.81	2.65	10.41	2.73	10.82	2.78
	25.0	8.56	2.62	8.96	2.67	9.36	2.72	9.56	2.75	10.17	2.82	10.57	2.87
	32.0	7.99	2.85	8.39	2.90	8.79	2.95	8.99	2.98	9.60	3.05	10.00	3.10
	35.0	7.74	2.96	8.15	3.01	8.55	3.06	8.75	3.08	9.35	3.16	9.76	3.21
	40.0	7.33	3.15	7.74	3.20	8.14	3.25	8.34	3.27	8.94	3.34	9.30	3.34
	43.0	6.82	2.75	7.15	2.75	7.47	2.75	7.63	2.75	8.09	2.75	8.39	2.75
	46.0	5.97	2.17	6.23	2.17	6.48	2.17	6.60	2.17	6.96	2.17	7.20	2.17

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+3.5+3.5	22.0	8.30	2.56	8.68	2.61	9.06	2.66	9.25	2.68	9.82	2.75	10.20	2.80
	25.0	8.07	2.65	8.45	2.70	8.83	2.75	9.02	2.77	9.59	2.85	9.97	2.90
	32.0	7.53	2.88	7.91	2.93	8.29	2.98	8.48	3.01	9.05	3.08	9.43	3.13
	35.0	7.30	2.99	7.68	3.04	8.06	3.09	8.25	3.11	8.82	3.19	9.20	3.24
	40.0	6.92	3.18	7.30	3.23	7.68	3.28	7.87	3.30	8.41	3.34	8.76	3.34
	43.0	6.48	2.75	6.79	2.75	7.10	2.75	7.25	2.75	7.69	2.75	7.97	2.75
	46.0	5.72	2.17	5.97	2.17	6.21	2.17	6.32	2.17	6.67	2.17	6.89	2.17
3.5+3.5+5.0	22.0	8.56	2.58	8.95	2.63	9.34	2.68	9.54	2.71	10.13	2.78	10.52	2.83
	25.0	8.32	2.67	8.71	2.72	9.11	2.77	9.30	2.80	9.89	2.87	10.28	2.92
	32.0	7.77	2.91	8.16	2.96	8.55	3.01	8.75	3.03	9.34	3.11	9.73	3.16
	35.0	7.53	3.02	7.92	3.07	8.31	3.12	8.51	3.14	9.10	3.22	9.49	3.27
	40.0	7.13	3.21	7.53	3.26	7.92	3.31	8.11	3.34	8.66	3.34	9.01	3.34
	43.0	6.65	2.75	6.97	2.75	7.28	2.75	7.43	2.75	7.88	2.75	8.17	2.75
	46.0	5.86	2.17	6.10	2.17	6.35	2.17	6.47	2.17	6.82	2.17	7.05	2.17
3.5+3.5+6.0	22.0	8.70	2.68	9.10	2.73	9.50	2.78	9.70	2.81	10.29	2.89	10.69	2.94
	25.0	8.46	2.78	8.86	2.83	9.26	2.88	9.46	2.91	10.05	2.98	10.45	3.04
	32.0	7.90	3.02	8.29	3.07	8.69	3.12	8.89	3.15	9.49	3.23	9.89	3.28
	35.0	7.65	3.13	8.05	3.19	8.45	3.24	8.65	3.26	9.25	3.34	9.65	3.39
	40.0	7.25	3.33	7.64	3.34	8.01	3.34	8.20	3.34	8.74	3.34	9.09	3.34
	43.0	6.74	2.75	7.06	2.75	7.37	2.75	7.52	2.75	7.97	2.75	8.26	2.75
	46.0	5.94	2.17	6.19	2.17	6.43	2.17	6.55	2.17	6.90	2.17	7.13	2.17
3.5+5.0+5.0	22.0	8.80	2.49	9.20	2.54	9.61	2.59	9.81	2.61	10.41	2.68	10.82	2.73
	25.0	8.56	2.58	8.96	2.63	9.36	2.68	9.56	2.70	10.17	2.77	10.57	2.82
	32.0	7.99	2.81	8.39	2.86	8.79	2.90	8.99	2.93	9.60	3.00	10.00	3.05
	35.0	7.74	2.91	8.15	2.96	8.55	3.01	8.75	3.03	9.35	3.11	9.76	3.15
	40.0	7.33	3.10	7.74	3.15	8.14	3.20	8.34	3.22	8.95	3.29	9.35	3.34
	43.0	6.83	2.75	7.16	2.75	7.49	2.75	7.64	2.75	8.11	2.75	8.41	2.75
	46.0	5.97	2.17	6.23	2.17	6.48	2.17	6.61	2.17	6.97	2.17	7.21	2.17

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0, 6.0, 7.1kW class; wall mounted F series

3D050161#4
3D050161#5
3D050161#6

[Cooling Capacity 50Hz 240V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.82	3.68	0.94	3.76	0.95	3.99	0.97	4.14	0.99
	25.0	2.63	0.70	3.23	0.88	3.58	0.97	3.66	0.98	3.89	1.01	4.05	1.02
	32.0	2.63	0.83	3.21	1.04	3.37	1.05	3.44	1.06	3.68	1.09	3.83	1.11
	35.0	2.63	0.89	3.12	1.07	3.27	1.09	3.35	1.10	3.58	1.13	3.74	1.15
	40.0	2.63	1.02	2.96	1.14	3.12	1.16	3.19	1.17	3.43	1.20	3.58	1.21
	43.0	2.63	1.11	2.87	1.19	3.02	1.20	3.10	1.21	3.33	1.24	3.49	1.26
	46.0	2.62	1.21	2.78	1.23	2.93	1.25	3.01	1.26	3.24	1.28	3.39	1.30
3.5	22.0	3.00	0.78	3.68	1.00	4.42	1.25	4.65	1.32	4.94	1.36	5.13	1.38
	25.0	3.00	0.84	3.68	1.07	4.42	1.34	4.54	1.36	4.82	1.40	5.01	1.42
	32.0	3.00	1.00	3.68	1.28	4.17	1.47	4.27	1.48	4.55	1.52	4.74	1.54
	35.0	3.00	1.08	3.68	1.38	4.05	1.52	4.15	1.53	4.44	1.57	4.63	1.59
	40.0	3.00	1.23	3.67	1.59	3.86	1.61	3.96	1.63	4.24	1.66	4.43	1.69
	43.0	3.00	1.35	3.55	1.65	3.75	1.67	3.84	1.69	4.13	1.72	4.32	1.75
	46.0	3.00	1.48	3.44	1.71	3.63	1.73	3.72	1.75	4.01	1.78	4.20	1.81
5.0	22.0	4.33	1.05	5.32	1.36	6.37	1.74	6.50	1.76	6.90	1.81	7.17	1.84
	25.0	4.33	1.13	5.32	1.47	6.21	1.80	6.34	1.82	6.74	1.87	7.01	1.90
	32.0	4.33	1.35	5.32	1.77	5.83	1.95	5.96	1.97	6.36	2.02	6.63	2.05
	35.0	4.33	1.46	5.32	1.94	5.67	2.03	5.80	2.04	6.20	2.09	6.47	2.12
	40.0	4.33	1.69	5.13	2.12	5.40	2.15	5.53	2.17	5.93	2.22	6.20	2.25
	43.0	4.33	1.86	4.97	2.20	5.23	2.23	5.37	2.25	5.77	2.30	6.04	2.33
	46.0	4.33	2.05	4.80	2.27	5.03	2.27	5.15	2.27	5.50	2.27	5.72	2.27

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
6.0	22.0	5.60	1.62	6.79	2.14	7.08	2.19	7.23	2.21	7.68	2.27	7.97	2.31
	25.0	5.60	1.75	6.60	2.22	6.90	2.26	7.05	2.28	7.50	2.34	7.79	2.38
	32.0	5.60	2.15	6.18	2.41	6.48	2.45	6.63	2.47	7.08	2.54	7.37	2.58
	35.0	5.60	2.37	6.00	2.50	6.30	2.54	6.45	2.56	6.90	2.62	7.19	2.67
	40.0	5.41	2.62	5.70	2.66	6.00	2.70	6.15	2.72	6.60	2.78	6.89	2.82
	43.0	5.23	2.72	5.52	2.76	5.82	2.80	5.97	2.82	6.41	2.87	6.68	2.87
	46.0	4.81	2.27	5.04	2.27	5.27	2.27	5.38	2.27	5.71	2.27	5.92	2.27
7.1	22.0	5.94	1.70	7.29	2.33	7.89	2.56	8.06	2.59	8.56	2.66	8.89	2.71
	25.0	5.94	1.84	7.29	2.55	7.69	2.65	7.86	2.67	8.36	2.75	8.69	2.79
	32.0	5.94	2.26	6.89	2.83	7.23	2.87	7.39	2.90	7.89	2.97	8.22	3.02
	35.0	5.94	2.48	6.69	2.93	7.02	2.98	7.19	3.00	7.69	3.08	8.02	3.12
	40.0	5.94	2.96	6.36	3.12	6.69	3.16	6.86	3.19	7.35	3.26	7.68	3.31
	43.0	5.79	2.87	6.09	2.87	6.38	2.87	6.53	2.87	6.95	2.87	7.23	2.87
	46.0	5.27	2.27	5.50	2.27	5.73	2.27	5.84	2.27	6.18	2.27	6.39	2.27
2.5+2.5	22.0	5.26	1.41	6.46	1.89	6.92	2.02	7.06	2.04	7.50	2.10	7.79	2.14
	25.0	5.26	1.53	6.45	2.06	6.74	2.09	6.89	2.11	7.32	2.17	7.61	2.21
	32.0	5.26	1.86	6.04	2.23	6.33	2.27	6.48	2.29	6.91	2.35	7.20	2.38
	35.0	5.26	2.04	5.86	2.32	6.15	2.35	6.30	2.37	6.74	2.43	7.03	2.47
	40.0	5.26	2.40	5.57	2.46	5.86	2.50	6.01	2.52	6.44	2.57	6.73	2.61
	43.0	5.11	2.52	5.40	2.55	5.69	2.59	5.83	2.61	6.27	2.67	6.56	2.71
	46.0	4.75	2.27	4.99	2.27	5.22	2.27	5.33	2.27	5.67	2.27	5.89	2.27
2.5+3.5	22.0	5.63	1.56	6.91	2.12	7.36	2.24	7.51	2.26	7.97	2.32	8.28	2.36
	25.0	5.63	1.69	6.86	2.27	7.17	2.31	7.32	2.34	7.79	2.40	8.10	2.44
	32.0	5.63	2.06	6.42	2.47	6.73	2.51	6.89	2.53	7.35	2.59	7.66	2.64
	35.0	5.63	2.27	6.24	2.56	6.55	2.60	6.70	2.62	7.16	2.69	7.47	2.73
	40.0	5.62	2.68	5.93	2.72	6.23	2.76	6.39	2.78	6.85	2.85	7.16	2.89
	43.0	5.43	2.78	5.74	2.82	6.05	2.86	6.20	2.87	6.62	2.87	6.90	2.87
	46.0	4.96	2.27	5.20	2.27	5.43	2.27	5.54	2.27	5.88	2.27	6.09	2.27
2.5+5.0	22.0	6.96	2.02	7.66	2.27	7.99	2.31	8.16	2.34	8.66	2.40	9.00	2.44
	25.0	6.96	2.21	7.45	2.35	7.79	2.39	7.96	2.42	8.46	2.48	8.80	2.52
	32.0	6.64	2.51	6.98	2.55	7.32	2.60	7.48	2.62	7.99	2.68	8.32	2.73
	35.0	6.44	2.60	6.78	2.65	7.11	2.69	7.28	2.71	7.78	2.78	8.12	2.82
	40.0	6.10	2.77	6.44	2.81	6.77	2.86	6.94	2.88	7.44	2.94	7.78	2.99
	43.0	5.90	2.87	6.22	2.87	6.53	2.87	6.68	2.87	7.13	2.87	7.42	2.87
	46.0	5.30	2.27	5.55	2.27	5.79	2.27	5.91	2.27	6.26	2.27	6.49	2.27
2.5+6.0	22.0	7.66	2.43	8.02	2.48	8.37	2.53	8.54	2.55	9.07	2.62	9.42	2.67
	25.0	7.45	2.52	7.80	2.57	8.15	2.61	8.33	2.64	8.86	2.71	9.21	2.76
	32.0	6.96	2.74	7.31	2.79	7.66	2.84	7.83	2.86	8.36	2.93	8.71	2.98
	35.0	6.74	2.84	7.09	2.89	7.44	2.94	7.62	2.96	8.15	3.03	8.50	3.08
	40.0	6.39	3.03	6.74	3.07	7.09	3.12	7.27	3.14	7.79	3.22	8.14	3.26
	43.0	6.11	2.87	6.42	2.87	6.73	2.87	6.88	2.87	7.33	2.87	7.61	2.87
	46.0	5.49	2.27	5.74	2.27	5.98	2.27	6.10	2.27	6.45	2.27	6.67	2.27
2.5+7.1	22.0	8.03	2.59	8.39	2.64	8.76	2.69	8.95	2.71	9.50	2.79	9.87	2.84
	25.0	7.80	2.68	8.17	2.73	8.54	2.78	8.72	2.81	9.27	2.88	9.64	2.93
	32.0	7.28	2.92	7.65	2.97	8.02	3.02	8.20	3.04	8.75	3.12	9.12	3.17
	35.0	7.06	3.03	7.43	3.08	7.80	3.13	7.98	3.15	8.53	3.23	8.90	3.28
	40.0	6.69	3.22	7.06	3.27	7.42	3.32	7.61	3.35	8.16	3.42	8.53	3.47
	43.0	6.37	2.87	6.68	2.87	6.99	2.87	7.14	2.87	7.59	2.87	7.88	2.87
	46.0	5.71	2.27	5.96	2.27	6.20	2.27	6.32	2.27	6.67	2.27	6.90	2.27
3.5+3.5	22.0	6.00	1.70	7.37	2.34	7.91	2.52	8.07	2.54	8.57	2.61	8.90	2.66
	25.0	6.00	1.85	7.37	2.56	7.70	2.61	7.87	2.63	8.37	2.70	8.70	2.75
	32.0	6.00	2.26	6.90	2.78	7.24	2.83	7.40	2.85	7.90	2.92	8.23	2.97
	35.0	6.00	2.49	6.70	2.88	7.03	2.93	7.20	2.95	7.70	3.02	8.03	3.07
	40.0	6.00	2.98	6.37	3.06	6.70	3.11	6.86	3.13	7.36	3.21	7.69	3.25
	43.0	5.80	2.87	6.10	2.87	6.39	2.87	6.54	2.87	6.97	2.87	7.24	2.87
	46.0	5.26	2.27	5.50	2.27	5.73	2.27	5.85	2.27	6.18	2.27	6.40	2.27
3.5+5.0	22.0	7.33	2.22	8.10	2.53	8.45	2.58	8.63	2.60	9.16	2.68	9.52	2.72
	25.0	7.33	2.43	7.88	2.62	8.24	2.67	8.42	2.69	8.95	2.76	9.30	2.81
	32.0	7.03	2.80	7.38	2.85	7.74	2.89	7.92	2.92	8.45	2.99	8.80	3.04
	35.0	6.81	2.90	7.17	2.95	7.52	3.00	7.70	3.02	8.23	3.10	8.59	3.14
	40.0	6.45	3.09	6.81	3.14	7.16	3.18	7.34	3.21	7.87	3.28	8.23	3.33
	43.0	6.16	2.87	6.48	2.87	6.78	2.87	6.94	2.87	7.38	2.87	7.67	2.87
	46.0	5.54	2.27	5.79	2.27	6.03	2.27	6.15	2.27	6.50	2.27	6.72	2.27

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+6.0	22.0	7.98	2.51	8.34	2.56	8.71	2.61	8.89	2.64	9.44	2.71	9.80	2.76
	25.0	7.76	2.61	8.12	2.65	8.49	2.70	8.67	2.73	9.22	2.80	9.58	2.85
	32.0	7.24	2.83	7.60	2.88	7.97	2.93	8.15	2.96	8.70	3.03	9.06	3.08
	35.0	7.02	2.94	7.38	2.99	7.75	3.04	7.93	3.06	8.48	3.14	8.84	3.19
	40.0	6.65	3.13	7.01	3.18	7.38	3.23	7.56	3.25	8.11	3.32	8.47	3.37
	43.0	6.33	2.87	6.65	2.87	6.96	2.87	7.11	2.87	7.56	2.87	7.86	2.87
	46.0	5.67	2.27	5.92	2.27	6.16	2.27	6.28	2.27	6.64	2.27	6.87	2.27
3.5+7.1	22.0	8.28	2.68	8.66	2.73	9.04	2.78	9.23	2.81	9.80	2.89	10.17	2.94
	25.0	8.05	2.78	8.43	2.83	8.81	2.88	9.00	2.91	9.57	2.98	9.94	3.04
	32.0	7.51	3.02	7.89	3.07	8.27	3.12	8.46	3.15	9.03	3.23	9.41	3.28
	35.0	7.28	3.13	7.66	3.19	8.04	3.24	8.23	3.26	8.80	3.34	9.18	3.39
	40.0	6.90	3.33	7.28	3.39	7.66	3.44	7.85	3.46	8.40	3.48	8.75	3.48
	43.0	6.55	2.87	6.87	2.87	7.18	2.87	7.33	2.87	7.78	2.87	8.07	2.87
	46.0	5.86	2.27	6.11	2.27	6.36	2.27	6.48	2.27	6.83	2.27	7.06	2.27
5.0+5.0	22.0	8.13	2.54	8.50	2.59	8.87	2.64	9.06	2.66	9.62	2.74	9.99	2.79
	25.0	7.90	2.63	8.27	2.68	8.65	2.73	8.83	2.75	9.39	2.83	9.76	2.88
	32.0	7.38	2.86	7.75	2.91	8.12	2.96	8.31	2.99	8.86	3.06	9.24	3.11
	35.0	7.15	2.97	7.52	3.02	7.89	3.07	8.08	3.09	8.64	3.17	9.01	3.22
	40.0	6.77	3.16	7.15	3.21	7.52	3.26	7.70	3.28	8.26	3.36	8.63	3.41
	43.0	6.44	2.87	6.76	2.87	7.07	2.87	7.23	2.87	7.68	2.87	7.98	2.87
	46.0	5.75	2.27	6.01	2.27	6.25	2.27	6.37	2.27	6.73	2.27	6.96	2.27
5.0+6.0	22.0	8.36	2.59	8.74	2.64	9.12	2.69	9.32	2.71	9.89	2.79	10.27	2.84
	25.0	8.13	2.68	8.51	2.73	8.89	2.78	9.08	2.81	9.66	2.88	10.04	2.93
	32.0	7.59	2.92	7.97	2.97	8.35	3.02	8.54	3.04	9.12	3.12	9.50	3.17
	35.0	7.35	3.03	7.74	3.08	8.12	3.13	8.31	3.15	8.88	3.23	9.27	3.28
	40.0	6.97	3.22	7.35	3.27	7.73	3.32	7.92	3.35	8.50	3.42	8.88	3.47
	43.0	6.60	2.87	6.92	2.87	7.24	2.87	7.40	2.87	7.86	2.87	8.15	2.87
	46.0	5.88	2.27	6.14	2.27	6.38	2.27	6.51	2.27	6.87	2.27	7.10	2.27
5.0+7.1	22.0	8.54	2.82	8.93	2.87	9.32	2.93	9.52	2.96	10.10	3.04	10.50	3.09
	25.0	8.30	2.92	8.69	2.97	9.09	3.03	9.28	3.06	9.87	3.14	10.26	3.19
	32.0	7.75	3.18	8.14	3.23	8.53	3.29	8.73	3.31	9.31	3.40	9.71	3.45
	35.0	7.51	3.30	7.90	3.35	8.29	3.41	8.49	3.43	9.08	3.52	9.47	3.57
	40.0	7.12	3.48	7.51	3.48	7.89	3.48	8.07	3.48	8.62	3.48	8.98	3.48
	43.0	6.75	2.87	7.07	2.87	7.38	2.87	7.53	2.87	7.98	2.87	8.28	2.87
	46.0	6.04	2.27	6.29	2.27	6.53	2.27	6.65	2.27	7.00	2.27	7.24	2.27
6.0+6.0	22.0	8.52	2.78	8.91	2.83	9.30	2.89	9.50	2.91	10.08	2.99	10.47	3.05
	25.0	8.28	2.88	8.67	2.93	9.06	2.99	9.26	3.01	9.84	3.09	10.23	3.15
	32.0	7.73	3.13	8.12	3.19	8.51	3.24	8.71	3.27	9.29	3.35	9.68	3.40
	35.0	7.49	3.25	7.88	3.30	8.27	3.36	8.47	3.38	9.06	3.46	9.45	3.52
	40.0	7.10	3.46	7.49	3.48	7.87	3.48	8.06	3.48	8.61	3.48	8.97	3.48
	43.0	6.73	2.87	7.05	2.87	7.36	2.87	7.51	2.87	7.97	2.87	8.26	2.87
	46.0	6.01	2.27	6.26	2.27	6.51	2.27	6.63	2.27	6.98	2.27	7.21	2.27
6.0+7.1	22.0	8.62	2.87	9.02	2.92	9.41	2.98	9.61	3.01	10.20	3.09	10.59	3.15
	25.0	8.38	2.97	8.78	3.03	9.17	3.08	9.37	3.11	9.96	3.19	10.36	3.25
	32.0	7.82	3.23	8.22	3.29	8.61	3.34	8.81	3.37	9.40	3.46	9.80	3.51
	35.0	7.58	3.35	7.98	3.41	8.37	3.47	8.57	3.49	9.16	3.58	9.56	3.63
	40.0	7.18	3.48	7.58	3.48	7.96	3.48	8.14	3.48	8.69	3.48	9.05	3.48
	43.0	6.82	2.87	7.13	2.87	7.45	2.87	7.60	2.87	8.05	2.87	8.34	2.87
	46.0	6.10	2.27	6.35	2.27	6.59	2.27	6.71	2.27	7.06	2.27	7.29	2.27
2.5+2.5+2.5	22.0	7.65	2.19	8.01	2.24	8.36	2.28	8.53	2.30	9.06	2.37	9.41	2.41
	25.0	7.44	2.27	7.79	2.32	8.14	2.36	8.32	2.38	8.84	2.44	9.20	2.49
	32.0	6.95	2.47	7.30	2.52	7.65	2.56	7.82	2.58	8.35	2.64	8.70	2.69
	35.0	6.73	2.57	7.08	2.61	7.43	2.65	7.61	2.67	8.14	2.74	8.49	2.78
	40.0	6.38	2.73	6.73	2.77	7.08	2.82	7.26	2.84	7.78	2.90	8.13	2.94
	43.0	6.17	2.83	6.52	2.87	6.84	2.87	7.00	2.87	7.46	2.87	7.77	2.87
	46.0	5.50	2.27	5.76	2.27	6.02	2.27	6.14	2.27	6.51	2.27	6.74	2.27
2.5+2.5+3.5	22.0	7.82	2.31	8.17	2.35	8.53	2.40	8.71	2.42	9.25	2.49	9.61	2.53
	25.0	7.60	2.39	7.96	2.44	8.31	2.48	8.49	2.50	9.03	2.57	9.39	2.62
	32.0	7.09	2.60	7.45	2.65	7.81	2.69	7.99	2.72	8.52	2.78	8.88	2.83
	35.0	6.88	2.70	7.23	2.75	7.59	2.79	7.77	2.81	8.31	2.88	8.66	2.93
	40.0	6.51	2.87	6.87	2.92	7.23	2.96	7.41	2.99	7.95	3.05	8.30	3.10
	43.0	6.25	2.87	6.58	2.87	6.90	2.87	7.06	2.87	7.52	2.87	7.82	2.87
	46.0	5.58	2.27	5.83	2.27	6.08	2.27	6.21	2.27	6.57	2.27	6.80	2.27

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+5.0	22.0	8.23	2.36	8.61	2.40	8.98	2.45	9.17	2.47	9.74	2.54	10.11	2.59
	25.0	8.00	2.44	8.38	2.49	8.75	2.54	8.94	2.56	9.51	2.63	9.88	2.67
	32.0	7.47	2.66	7.84	2.70	8.22	2.75	8.41	2.77	8.97	2.84	9.35	2.89
	35.0	7.24	2.76	7.61	2.80	7.99	2.85	8.18	2.87	8.75	2.94	9.12	2.99
	40.0	6.86	2.93	7.23	2.98	7.61	3.03	7.80	3.05	8.36	3.12	8.74	3.16
	43.0	6.55	2.87	6.89	2.87	7.22	2.87	7.38	2.87	7.85	2.87	8.16	2.87
	46.0	5.80	2.27	6.07	2.27	6.32	2.27	6.45	2.27	6.82	2.27	7.06	2.27
2.5+2.5+6.0	22.0	8.37	2.42	8.75	2.47	9.14	2.52	9.33	2.54	9.90	2.61	10.29	2.66
	25.0	8.14	2.51	8.52	2.56	8.90	2.61	9.09	2.63	9.67	2.70	10.05	2.75
	32.0	7.59	2.73	7.98	2.78	8.36	2.83	8.55	2.85	9.13	2.92	9.51	2.97
	35.0	7.36	2.84	7.75	2.88	8.13	2.93	8.32	2.95	8.89	3.02	9.28	3.07
	40.0	6.97	3.02	7.36	3.06	7.74	3.11	7.93	3.13	8.51	3.21	8.89	3.25
	43.0	6.63	2.87	6.97	2.87	7.30	2.87	7.46	2.87	7.93	2.87	8.24	2.87
	46.0	5.88	2.27	6.14	2.27	6.40	2.27	6.52	2.27	6.89	2.27	7.14	2.27
2.5+2.5+7.1	22.0	8.57	2.56	8.96	2.61	9.36	2.66	9.55	2.68	10.14	2.75	10.53	2.80
	25.0	8.33	2.65	8.72	2.70	9.12	2.75	9.31	2.77	9.90	2.85	10.29	2.90
	32.0	7.78	2.88	8.17	2.93	8.56	2.98	8.76	3.01	9.35	3.08	9.74	3.13
	35.0	7.54	2.99	7.93	3.04	8.32	3.09	8.52	3.11	9.11	3.19	9.50	3.24
	40.0	7.14	3.18	7.53	3.23	7.93	3.28	8.12	3.30	8.71	3.38	9.10	3.43
	43.0	6.75	2.87	7.08	2.87	7.40	2.87	7.56	2.87	8.04	2.87	8.34	2.87
	46.0	5.99	2.27	6.25	2.27	6.50	2.27	6.63	2.27	7.00	2.27	7.24	2.27
2.5+3.5+3.5	22.0	8.04	2.45	8.41	2.50	8.77	2.54	8.96	2.57	9.51	2.64	9.88	2.69
	25.0	7.81	2.54	8.18	2.58	8.55	2.63	8.73	2.66	9.29	2.73	9.65	2.78
	32.0	7.29	2.76	7.66	2.81	8.03	2.86	8.21	2.88	8.77	2.95	9.13	3.00
	35.0	7.07	2.86	7.44	2.91	7.81	2.96	7.99	2.98	8.54	3.05	8.91	3.10
	40.0	6.70	3.05	7.07	3.09	7.43	3.14	7.62	3.17	8.17	3.24	8.54	3.29
	43.0	6.38	2.87	6.70	2.87	7.02	2.87	7.18	2.87	7.64	2.87	7.93	2.87
	46.0	5.70	2.27	5.95	2.27	6.20	2.27	6.32	2.27	6.68	2.27	6.91	2.27
2.5+3.5+5.0	22.0	8.37	2.46	8.75	2.51	9.14	2.55	9.33	2.58	9.90	2.65	10.29	2.70
	25.0	8.14	2.55	8.52	2.59	8.90	2.64	9.09	2.67	9.67	2.74	10.05	2.78
	32.0	7.59	2.77	7.98	2.82	8.36	2.87	8.55	2.89	9.13	2.96	9.51	3.01
	35.0	7.36	2.87	7.75	2.92	8.13	2.97	8.32	2.99	8.89	3.06	9.28	3.11
	40.0	6.97	3.06	7.36	3.11	7.74	3.15	7.93	3.18	8.51	3.25	8.89	3.30
	43.0	6.62	2.87	6.95	2.87	7.28	2.87	7.44	2.87	7.91	2.87	8.22	2.87
	46.0	5.87	2.27	6.14	2.27	6.39	2.27	6.52	2.27	6.89	2.27	7.13	2.27
2.5+3.5+6.0	22.0	8.55	2.51	8.94	2.56	9.33	2.60	9.53	2.63	10.12	2.70	10.51	2.75
	25.0	8.31	2.60	8.70	2.65	9.10	2.69	9.29	2.72	9.88	2.79	10.27	2.84
	32.0	7.76	2.83	8.15	2.87	8.54	2.92	8.74	2.95	9.32	3.02	9.72	3.07
	35.0	7.52	2.93	7.91	2.98	8.30	3.03	8.50	3.05	9.09	3.13	9.48	3.18
	40.0	7.13	3.12	7.52	3.17	7.91	3.22	8.10	3.24	8.69	3.31	9.08	3.36
	43.0	6.74	2.87	7.08	2.87	7.40	2.87	7.57	2.87	8.04	2.87	8.35	2.87
	46.0	5.97	2.27	6.23	2.27	6.49	2.27	6.62	2.27	6.99	2.27	7.23	2.27
2.5+3.5+7.1	22.0	8.75	2.68	9.15	2.73	9.55	2.78	9.75	2.81	10.35	2.89	10.76	2.94
	25.0	8.51	2.78	8.91	2.83	9.31	2.88	9.51	2.91	10.11	2.98	10.51	3.04
	32.0	7.94	3.02	8.34	3.07	8.74	3.12	8.94	3.15	9.54	3.23	9.95	3.28
	35.0	7.70	3.13	8.10	3.19	8.50	3.24	8.70	3.26	9.30	3.34	9.70	3.39
	40.0	7.29	3.33	7.69	3.39	8.09	3.44	8.29	3.46	8.87	3.48	9.24	3.48
	43.0	6.86	2.87	7.20	2.87	7.52	2.87	7.68	2.87	8.15	2.87	8.45	2.87
	46.0	6.10	2.27	6.35	2.27	6.61	2.27	6.73	2.27	7.10	2.27	7.34	2.27
2.5+5.0+5.0	22.0	8.65	2.44	9.05	2.49	9.44	2.54	9.64	2.56	10.24	2.63	10.63	2.68
	25.0	8.41	2.53	8.81	2.58	9.20	2.62	9.40	2.65	10.00	2.72	10.39	2.77
	32.0	7.85	2.75	8.25	2.80	8.64	2.85	8.84	2.87	9.43	2.94	9.83	2.99
	35.0	7.61	2.85	8.01	2.90	8.40	2.95	8.60	2.97	9.19	3.04	9.59	3.09
	40.0	7.21	3.04	7.61	3.08	8.00	3.13	8.20	3.16	8.79	3.23	9.19	3.27
	43.0	6.83	2.87	7.18	2.87	7.51	2.87	7.68	2.87	8.16	2.87	8.48	2.87
	46.0	6.03	2.27	6.30	2.27	6.56	2.27	6.69	2.27	7.07	2.27	7.31	2.27
2.5+5.0+6.0	22.0	8.80	2.53	9.20	2.58	9.61	2.63	9.81	2.65	10.41	2.73	10.82	2.78
	25.0	8.56	2.62	8.96	2.67	9.36	2.72	9.56	2.75	10.17	2.82	10.57	2.87
	32.0	7.99	2.85	8.39	2.90	8.79	2.95	8.99	2.98	9.60	3.05	10.00	3.10
	35.0	7.74	2.96	8.15	3.01	8.55	3.06	8.75	3.08	9.35	3.16	9.76	3.21
	40.0	7.33	3.15	7.74	3.20	8.14	3.25	8.34	3.27	8.95	3.35	9.35	3.40
	43.0	6.91	2.87	7.25	2.87	7.59	2.87	7.75	2.87	8.23	2.87	8.55	2.87
	46.0	6.10	2.27	6.37	2.27	6.63	2.27	6.76	2.27	7.14	2.27	7.38	2.27

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+3.5+3.5	22.0	8.30	2.56	8.68	2.61	9.06	2.66	9.25	2.68	9.82	2.75	10.20	2.80
	25.0	8.07	2.65	8.45	2.70	8.83	2.75	9.02	2.77	9.59	2.85	9.97	2.90
	32.0	7.53	2.88	7.91	2.93	8.29	2.98	8.48	3.01	9.05	3.08	9.43	3.13
	35.0	7.30	2.99	7.68	3.04	8.06	3.09	8.25	3.11	8.82	3.19	9.20	3.24
	40.0	6.92	3.18	7.30	3.23	7.68	3.28	7.87	3.30	8.44	3.38	8.82	3.43
	43.0	6.56	2.87	6.88	2.87	7.20	2.87	7.36	2.87	7.82	2.87	8.11	2.87
	46.0	5.85	2.27	6.10	2.27	6.35	2.27	6.47	2.27	6.83	2.27	7.07	2.27
3.5+3.5+5.0	22.0	8.56	2.58	8.95	2.63	9.34	2.68	9.54	2.71	10.13	2.78	10.52	2.83
	25.0	8.32	2.67	8.71	2.72	9.11	2.77	9.30	2.80	9.89	2.87	10.28	2.92
	32.0	7.77	2.91	8.16	2.96	8.55	3.01	8.75	3.03	9.34	3.11	9.73	3.16
	35.0	7.53	3.02	7.92	3.07	8.31	3.12	8.51	3.14	9.10	3.22	9.49	3.27
	40.0	7.13	3.21	7.53	3.26	7.92	3.31	8.11	3.34	8.70	3.41	9.09	3.46
	43.0	6.74	2.87	7.07	2.87	7.39	2.87	7.55	2.87	8.02	2.87	8.32	2.87
	46.0	5.98	2.27	6.24	2.27	6.50	2.27	6.62	2.27	6.99	2.27	7.23	2.27
3.5+3.5+6.0	22.0	8.70	2.68	9.10	2.73	9.50	2.78	9.70	2.81	10.29	2.89	10.69	2.94
	25.0	8.46	2.78	8.86	2.83	9.26	2.88	9.46	2.91	10.05	2.98	10.45	3.04
	32.0	7.90	3.02	8.29	3.07	8.69	3.12	8.89	3.15	9.49	3.23	9.89	3.28
	35.0	7.65	3.13	8.05	3.19	8.45	3.24	8.65	3.26	9.25	3.34	9.65	3.39
	40.0	7.25	3.33	7.65	3.39	8.05	3.44	8.25	3.46	8.82	3.48	9.19	3.48
	43.0	6.83	2.87	7.16	2.87	7.48	2.87	7.64	2.87	8.11	2.87	8.41	2.87
	46.0	6.07	2.27	6.33	2.27	6.58	2.27	6.71	2.27	7.07	2.27	7.31	2.27
3.5+5.0+5.0	22.0	8.80	2.49	9.20	2.54	9.61	2.59	9.81	2.61	10.41	2.68	10.82	2.73
	25.0	8.56	2.58	8.96	2.63	9.36	2.68	9.56	2.70	10.17	2.77	10.57	2.82
	32.0	7.99	2.81	8.39	2.86	8.79	2.90	8.99	2.93	9.60	3.00	10.00	3.05
	35.0	7.74	2.91	8.15	2.96	8.55	3.01	8.75	3.03	9.35	3.11	9.76	3.15
	40.0	7.33	3.10	7.74	3.15	8.14	3.20	8.34	3.22	8.95	3.29	9.35	3.34
	43.0	6.92	2.87	7.27	2.87	7.61	2.87	7.77	2.87	8.26	2.87	8.57	2.87
	46.0	6.10	2.27	6.37	2.27	6.64	2.27	6.77	2.27	7.15	2.27	7.39	2.27

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0, 6.0, 7.1kW class; wall mounted F series

3D050161#7
3D050161#8
3D050161#9

7.1.4 4MKD75DVM

[Cooling Capacity 50/60Hz 220V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.82	3.68	0.94	3.76	0.95	3.99	0.97	4.14	0.99
	25.0	2.63	0.70	3.23	0.88	3.58	0.97	3.66	0.98	3.89	1.01	4.05	1.02
	32.0	2.63	0.83	3.21	1.04	3.37	1.05	3.44	1.06	3.68	1.09	3.83	1.11
	35.0	2.63	0.89	3.12	1.07	3.27	1.09	3.35	1.10	3.58	1.13	3.74	1.15
	40.0	2.63	1.02	2.96	1.14	3.12	1.16	3.19	1.17	3.43	1.20	3.58	1.21
	43.0	2.63	1.11	2.87	1.19	3.02	1.20	3.10	1.21	3.33	1.24	3.49	1.26
	46.0	2.62	1.21	2.78	1.23	2.93	1.25	3.01	1.26	3.24	1.28	3.39	1.30
3.5	22.0	3.00	0.78	3.68	1.00	4.42	1.25	4.65	1.32	4.94	1.36	5.13	1.38
	25.0	3.00	0.84	3.68	1.07	4.42	1.34	4.54	1.36	4.82	1.40	5.01	1.42
	32.0	3.00	1.00	3.68	1.28	4.17	1.47	4.27	1.48	4.55	1.52	4.74	1.54
	35.0	3.00	1.08	3.68	1.38	4.05	1.52	4.15	1.53	4.44	1.57	4.63	1.59
	40.0	3.00	1.23	3.67	1.59	3.86	1.61	3.96	1.63	4.24	1.66	4.43	1.69
	43.0	3.00	1.35	3.55	1.65	3.75	1.67	3.84	1.69	4.13	1.72	4.32	1.75
	46.0	3.00	1.48	3.44	1.71	3.63	1.73	3.72	1.75	4.01	1.78	4.20	1.81
5.0	22.0	4.33	1.05	5.32	1.36	6.37	1.74	6.50	1.76	6.90	1.81	7.17	1.84
	25.0	4.33	1.13	5.32	1.47	6.21	1.80	6.34	1.82	6.74	1.87	7.01	1.90
	32.0	4.33	1.35	5.32	1.77	5.83	1.95	5.96	1.97	6.36	2.02	6.63	2.05
	35.0	4.33	1.46	5.32	1.94	5.67	2.03	5.80	2.04	6.20	2.09	6.47	2.12
	40.0	4.33	1.69	5.13	2.12	5.40	2.15	5.53	2.17	5.93	2.22	6.20	2.25
	43.0	4.33	1.86	4.97	2.20	5.23	2.23	5.37	2.25	5.77	2.30	6.04	2.33
	46.0	4.33	2.05	4.63	2.08	4.85	2.08	4.96	2.08	5.27	2.08	5.48	2.08

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
6.0	22.0	5.60	1.62	6.79	2.14	7.08	2.19	7.23	2.21	7.68	2.27	7.97	2.31
	25.0	5.60	1.75	6.60	2.22	6.90	2.26	7.05	2.28	7.50	2.34	7.79	2.38
	32.0	5.60	2.15	6.18	2.41	6.48	2.45	6.63	2.47	7.08	2.54	7.37	2.58
	35.0	5.60	2.37	6.00	2.50	6.30	2.54	6.45	2.56	6.90	2.62	7.19	2.67
	40.0	5.41	2.62	5.70	2.66	6.00	2.70	6.15	2.72	6.60	2.78	6.89	2.82
	43.0	5.20	2.63	5.47	2.63	5.74	2.63	5.87	2.63	6.26	2.63	6.51	2.63
	46.0	4.64	2.08	4.86	2.08	5.06	2.08	5.17	2.08	5.47	2.08	5.67	2.08
7.1	22.0	5.94	1.70	7.29	2.33	7.89	2.56	8.06	2.59	8.56	2.66	8.89	2.71
	25.0	5.94	1.84	7.29	2.55	7.69	2.65	7.86	2.67	8.36	2.75	8.69	2.79
	32.0	5.94	2.26	6.89	2.83	7.23	2.87	7.39	2.90	7.89	2.97	8.22	3.02
	35.0	5.94	2.48	6.69	2.93	7.02	2.98	7.19	3.00	7.69	3.08	8.02	3.12
	40.0	5.94	2.96	6.36	3.12	6.69	3.16	6.86	3.19	7.33	3.19	7.63	3.19
	43.0	5.69	2.63	5.96	2.63	6.23	2.63	6.36	2.63	6.75	2.63	7.00	2.63
	46.0	5.06	2.08	5.28	2.08	5.49	2.08	5.59	2.08	5.90	2.08	6.09	2.08
2.5+2.5	22.0	5.26	1.41	6.46	1.89	6.92	2.02	7.06	2.04	7.50	2.10	7.79	2.14
	25.0	5.26	1.53	6.45	2.06	6.74	2.09	6.89	2.11	7.32	2.17	7.61	2.21
	32.0	5.26	1.86	6.04	2.23	6.33	2.27	6.48	2.29	6.91	2.35	7.20	2.38
	35.0	5.26	2.04	5.86	2.32	6.15	2.35	6.30	2.37	6.74	2.43	7.03	2.47
	40.0	5.26	2.40	5.57	2.46	5.86	2.50	6.01	2.52	6.44	2.57	6.73	2.61
	43.0	5.11	2.52	5.40	2.55	5.69	2.59	5.83	2.61	6.24	2.63	6.50	2.63
	46.0	4.59	2.08	4.81	2.08	5.02	2.08	5.12	2.08	5.43	2.08	5.63	2.08
2.5+3.5	22.0	5.63	1.56	6.91	2.12	7.36	2.24	7.51	2.26	7.97	2.32	8.28	2.36
	25.0	5.63	1.69	6.86	2.27	7.17	2.31	7.32	2.34	7.79	2.40	8.10	2.44
	32.0	5.63	2.06	6.42	2.47	6.73	2.51	6.89	2.53	7.35	2.59	7.66	2.64
	35.0	5.63	2.27	6.24	2.56	6.55	2.60	6.70	2.62	7.16	2.69	7.47	2.73
	40.0	5.62	2.68	5.93	2.72	6.23	2.76	6.39	2.78	6.85	2.85	7.16	2.89
	43.0	5.37	2.63	5.65	2.63	5.92	2.63	6.06	2.63	6.45	2.63	6.70	2.63
	46.0	4.78	2.08	5.00	2.08	5.21	2.08	5.31	2.08	5.62	2.08	5.82	2.08
2.5+5.0	22.0	6.96	2.02	7.66	2.27	7.99	2.31	8.16	2.34	8.66	2.40	9.00	2.44
	25.0	6.96	2.21	7.45	2.35	7.79	2.39	7.96	2.42	8.46	2.48	8.80	2.52
	32.0	6.64	2.51	6.98	2.55	7.32	2.60	7.48	2.62	7.99	2.68	8.32	2.73
	35.0	6.44	2.60	6.78	2.65	7.11	2.69	7.28	2.71	7.78	2.78	8.12	2.82
	40.0	6.10	2.77	6.44	2.81	6.77	2.86	6.94	2.88	7.44	2.94	7.78	2.99
	43.0	5.78	2.63	6.08	2.63	6.36	2.63	6.50	2.63	6.91	2.63	7.18	2.63
	46.0	5.09	2.08	5.32	2.08	5.54	2.08	5.65	2.08	5.98	2.08	6.18	2.08
2.5+6.0	22.0	7.66	2.43	8.02	2.48	8.37	2.53	8.54	2.55	9.07	2.62	9.42	2.67
	25.0	7.45	2.52	7.80	2.57	8.15	2.61	8.33	2.64	8.86	2.71	9.21	2.76
	32.0	6.96	2.74	7.31	2.79	7.66	2.84	7.83	2.86	8.36	2.93	8.71	2.98
	35.0	6.74	2.84	7.09	2.89	7.44	2.94	7.62	2.96	8.15	3.03	8.50	3.08
	40.0	6.39	3.03	6.74	3.07	7.09	3.12	7.27	3.14	7.78	3.19	8.10	3.19
	43.0	5.98	2.63	6.27	2.63	6.55	2.63	6.69	2.63	7.09	2.63	7.36	2.63
	46.0	5.27	2.08	5.50	2.08	5.72	2.08	5.83	2.08	6.14	2.08	6.35	2.08
2.5+7.1	22.0	8.03	2.59	8.39	2.64	8.76	2.69	8.95	2.71	9.50	2.79	9.87	2.84
	25.0	7.80	2.68	8.17	2.73	8.54	2.78	8.72	2.81	9.27	2.88	9.64	2.93
	32.0	7.28	2.92	7.65	2.97	8.02	3.02	8.20	3.04	8.75	3.12	9.12	3.17
	35.0	7.06	3.03	7.43	3.08	7.80	3.13	7.98	3.15	8.53	3.23	8.90	3.28
	40.0	6.68	3.19	7.04	3.19	7.38	3.19	7.55	3.19	8.05	3.19	8.37	3.19
	43.0	6.21	2.63	6.50	2.63	6.79	2.63	6.93	2.63	7.33	2.63	7.60	2.63
	46.0	5.47	2.08	5.70	2.08	5.92	2.08	6.03	2.08	6.35	2.08	6.56	2.08
3.5+3.5	22.0	6.00	1.70	7.37	2.34	7.91	2.52	8.07	2.54	8.57	2.61	8.90	2.66
	25.0	6.00	1.85	7.37	2.56	7.70	2.61	7.87	2.63	8.37	2.70	8.70	2.75
	32.0	6.00	2.26	6.90	2.78	7.24	2.83	7.40	2.85	7.90	2.92	8.23	2.97
	35.0	6.00	2.49	6.70	2.88	7.03	2.93	7.20	2.95	7.70	3.02	8.03	3.07
	40.0	6.00	2.98	6.37	3.06	6.70	3.11	6.86	3.13	7.36	3.19	7.67	3.19
	43.0	5.69	2.63	5.97	2.63	6.24	2.63	6.37	2.63	6.76	2.63	7.02	2.63
	46.0	5.06	2.08	5.28	2.08	5.49	2.08	5.59	2.08	5.90	2.08	6.10	2.08
3.5+5.0	22.0	7.33	2.22	8.10	2.53	8.45	2.58	8.63	2.60	9.16	2.68	9.52	2.72
	25.0	7.33	2.43	7.88	2.62	8.24	2.67	8.42	2.69	8.95	2.76	9.30	2.81
	32.0	7.03	2.80	7.38	2.85	7.74	2.89	7.92	2.92	8.45	2.99	8.80	3.04
	35.0	6.81	2.90	7.17	2.95	7.52	3.00	7.70	3.02	8.23	3.10	8.59	3.14
	40.0	6.45	3.09	6.81	3.14	7.16	3.18	7.33	3.19	7.83	3.19	8.15	3.19
	43.0	6.03	2.63	6.32	2.63	6.60	2.63	6.74	2.63	7.14	2.63	7.41	2.63
	46.0	5.32	2.08	5.54	2.08	5.76	2.08	5.87	2.08	6.19	2.08	6.40	2.08

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+6.0	22.0	7.98	2.51	8.34	2.56	8.71	2.61	8.89	2.64	9.44	2.71	9.80	2.76
	25.0	7.76	2.61	8.12	2.65	8.49	2.70	8.67	2.73	9.22	2.80	9.58	2.85
	32.0	7.24	2.83	7.60	2.88	7.97	2.93	8.15	2.96	8.70	3.03	9.06	3.08
	35.0	7.02	2.94	7.38	2.99	7.75	3.04	7.93	3.06	8.48	3.14	8.84	3.19
	40.0	6.65	3.13	7.01	3.18	7.36	3.19	7.54	3.19	8.04	3.19	8.36	3.19
	43.0	6.18	2.63	6.47	2.63	6.76	2.63	6.90	2.63	7.31	2.63	7.58	2.63
	46.0	5.43	2.08	5.66	2.08	5.89	2.08	6.00	2.08	6.32	2.08	6.53	2.08
3.5+7.1	22.0	8.28	2.68	8.66	2.73	9.04	2.78	9.23	2.81	9.80	2.89	10.17	2.94
	25.0	8.05	2.78	8.43	2.83	8.81	2.88	9.00	2.91	9.57	2.98	9.94	3.04
	32.0	7.51	3.02	7.89	3.07	8.27	3.12	8.46	3.15	9.03	3.23	9.41	3.28
	35.0	7.28	3.13	7.66	3.19	8.04	3.24	8.23	3.26	8.80	3.34	9.18	3.39
	40.0	6.88	3.19	7.23	3.19	7.58	3.19	7.75	3.19	8.25	3.19	8.58	3.19
	43.0	6.38	2.63	6.67	2.63	6.96	2.63	7.10	2.63	7.51	2.63	7.78	2.63
	46.0	5.61	2.08	5.84	2.08	6.06	2.08	6.17	2.08	6.49	2.08	6.71	2.08
5.0+5.0	22.0	8.13	2.54	8.50	2.59	8.87	2.64	9.06	2.66	9.62	2.74	9.99	2.79
	25.0	7.90	2.63	8.27	2.68	8.65	2.73	8.83	2.75	9.39	2.83	9.76	2.88
	32.0	7.38	2.86	7.75	2.91	8.12	2.96	8.31	2.99	8.86	3.06	9.24	3.11
	35.0	7.15	2.97	7.52	3.02	7.89	3.07	8.08	3.09	8.64	3.17	9.01	3.22
	40.0	6.77	3.16	7.14	3.19	7.49	3.19	7.66	3.19	8.17	3.19	8.50	3.19
	43.0	6.28	2.63	6.57	2.63	6.86	2.63	7.00	2.63	7.42	2.63	7.69	2.63
	46.0	5.51	2.08	5.74	2.08	5.97	2.08	6.08	2.08	6.40	2.08	6.62	2.08
5.0+6.0	22.0	8.36	2.59	8.74	2.64	9.12	2.69	9.32	2.71	9.89	2.79	10.27	2.84
	25.0	8.13	2.68	8.51	2.73	8.89	2.78	9.08	2.81	9.66	2.88	10.04	2.93
	32.0	7.59	2.92	7.97	2.97	8.35	3.02	8.54	3.04	9.12	3.12	9.50	3.17
	35.0	7.35	3.03	7.74	3.08	8.12	3.13	8.31	3.15	8.88	3.23	9.27	3.28
	40.0	6.96	3.19	7.32	3.19	7.68	3.19	7.85	3.19	8.36	3.19	8.70	3.19
	43.0	6.42	2.63	6.72	2.63	7.01	2.63	7.16	2.63	7.58	2.63	7.85	2.63
	46.0	5.63	2.08	5.86	2.08	6.09	2.08	6.20	2.08	6.53	2.08	6.75	2.08
5.0+7.1	22.0	8.54	2.82	8.93	2.87	9.32	2.93	9.52	2.96	10.10	3.04	10.50	3.09
	25.0	8.30	2.92	8.69	2.97	9.09	3.03	9.28	3.06	9.87	3.14	10.26	3.19
	32.0	7.75	3.18	8.14	3.23	8.53	3.29	8.73	3.31	9.31	3.40	9.71	3.45
	35.0	7.51	3.30	7.90	3.35	8.29	3.41	8.49	3.43	9.08	3.52	9.47	3.57
	40.0	7.08	3.19	7.43	3.19	7.78	3.19	7.95	3.19	8.46	3.19	8.78	3.19
	43.0	6.57	2.63	6.86	2.63	7.14	2.63	7.28	2.63	7.70	2.63	7.97	2.63
	46.0	5.77	2.08	6.00	2.08	6.22	2.08	6.33	2.08	6.66	2.08	6.87	2.08
6.0+6.0	22.0	8.52	2.78	8.91	2.83	9.30	2.89	9.50	2.91	10.08	2.99	10.47	3.05
	25.0	8.28	2.88	8.67	2.93	9.06	2.99	9.26	3.01	9.84	3.09	10.23	3.15
	32.0	7.73	3.13	8.12	3.19	8.51	3.24	8.71	3.27	9.29	3.35	9.68	3.40
	35.0	7.49	3.25	7.88	3.30	8.27	3.36	8.47	3.38	9.06	3.46	9.45	3.52
	40.0	7.06	3.19	7.42	3.19	7.77	3.19	7.94	3.19	8.45	3.19	8.77	3.19
	43.0	6.54	2.63	6.84	2.63	7.12	2.63	7.26	2.63	7.68	2.63	7.95	2.63
	46.0	5.75	2.08	5.98	2.08	6.20	2.08	6.31	2.08	6.64	2.08	6.85	2.08
6.0+7.1	22.0	8.62	2.87	9.02	2.92	9.41	2.98	9.61	3.01	10.20	3.09	10.59	3.15
	25.0	8.38	2.97	8.78	3.03	9.17	3.08	9.37	3.11	9.96	3.19	10.36	3.25
	32.0	7.82	3.23	8.22	3.29	8.61	3.34	8.81	3.37	9.40	3.46	9.80	3.51
	35.0	7.58	3.35	7.98	3.41	8.37	3.47	8.57	3.49	9.16	3.58	9.56	3.63
	40.0	7.15	3.19	7.50	3.19	7.85	3.19	8.02	3.19	8.52	3.19	8.85	3.19
	43.0	6.63	2.63	6.92	2.63	7.20	2.63	7.34	2.63	7.76	2.63	8.03	2.63
	46.0	5.82	2.08	6.05	2.08	6.28	2.08	6.39	2.08	6.71	2.08	6.92	2.08
2.5+2.5+2.5	22.0	7.65	2.19	8.01	2.24	8.36	2.28	8.53	2.30	9.06	2.37	9.41	2.41
	25.0	7.44	2.27	7.79	2.32	8.14	2.36	8.32	2.38	8.84	2.44	9.20	2.49
	32.0	6.95	2.47	7.30	2.52	7.65	2.56	7.82	2.58	8.35	2.64	8.70	2.69
	35.0	6.73	2.57	7.08	2.61	7.43	2.65	7.61	2.67	8.14	2.74	8.49	2.78
	40.0	6.38	2.73	6.73	2.77	7.08	2.82	7.26	2.84	7.78	2.90	8.13	2.94
	43.0	6.05	2.63	6.35	2.63	6.65	2.63	6.79	2.63	7.22	2.63	7.50	2.63
	46.0	5.28	2.08	5.52	2.08	5.75	2.08	5.86	2.08	6.20	2.08	6.42	2.08
2.5+2.5+3.5	22.0	7.82	2.31	8.17	2.35	8.53	2.40	8.71	2.42	9.25	2.49	9.61	2.53
	25.0	7.60	2.39	7.96	2.44	8.31	2.48	8.49	2.50	9.03	2.57	9.39	2.62
	32.0	7.09	2.60	7.45	2.65	7.81	2.69	7.99	2.72	8.52	2.78	8.88	2.83
	35.0	6.88	2.70	7.23	2.75	7.59	2.79	7.77	2.81	8.31	2.88	8.66	2.93
	40.0	6.51	2.87	6.87	2.92	7.23	2.96	7.41	2.99	7.95	3.05	8.30	3.10
	43.0	6.11	2.63	6.41	2.63	6.70	2.63	6.85	2.63	7.27	2.63	7.55	2.63
	46.0	5.35	2.08	5.58	2.08	5.81	2.08	5.92	2.08	6.26	2.08	6.47	2.08

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+5.0	22.0	8.23	2.36	8.61	2.40	8.98	2.45	9.17	2.47	9.74	2.54	10.11	2.59
	25.0	8.00	2.44	8.38	2.49	8.75	2.54	8.94	2.56	9.51	2.63	9.88	2.67
	32.0	7.47	2.66	7.84	2.70	8.22	2.75	8.41	2.77	8.97	2.84	9.35	2.89
	35.0	7.24	2.76	7.61	2.80	7.99	2.85	8.18	2.87	8.75	2.94	9.12	2.99
	40.0	6.86	2.93	7.23	2.98	7.61	3.03	7.80	3.05	8.36	3.12	8.74	3.16
	43.0	6.38	2.63	6.69	2.63	6.99	2.63	7.14	2.63	7.58	2.63	7.86	2.63
	46.0	5.56	2.08	5.80	2.08	6.03	2.08	6.15	2.08	6.49	2.08	6.71	2.08
2.5+2.5+6.0	22.0	8.37	2.42	8.75	2.47	9.14	2.52	9.33	2.54	9.90	2.61	10.29	2.66
	25.0	8.14	2.51	8.52	2.56	8.90	2.61	9.09	2.63	9.67	2.70	10.05	2.75
	32.0	7.59	2.73	7.98	2.78	8.36	2.83	8.55	2.85	9.13	2.92	9.51	2.97
	35.0	7.36	2.84	7.75	2.88	8.13	2.93	8.32	2.95	8.89	3.02	9.28	3.07
	40.0	6.97	3.02	7.36	3.06	7.74	3.11	7.93	3.13	8.50	3.19	8.84	3.19
	43.0	6.46	2.63	6.76	2.63	7.06	2.63	7.21	2.63	7.65	2.63	7.93	2.63
	46.0	5.62	2.08	5.86	2.08	6.10	2.08	6.21	2.08	6.55	2.08	6.78	2.08
2.5+2.5+7.1	22.0	8.57	2.56	8.96	2.61	9.36	2.66	9.55	2.68	10.14	2.75	10.53	2.80
	25.0	8.33	2.65	8.72	2.70	9.12	2.75	9.31	2.77	9.90	2.85	10.29	2.90
	32.0	7.78	2.88	8.17	2.93	8.56	2.98	8.76	3.01	9.35	3.08	9.74	3.13
	35.0	7.54	2.99	7.93	3.04	8.32	3.09	8.52	3.11	9.11	3.19	9.50	3.24
	40.0	7.14	3.18	7.52	3.19	7.88	3.19	8.06	3.19	8.59	3.19	8.93	3.19
	43.0	6.56	2.63	6.87	2.63	7.17	2.63	7.31	2.63	7.74	2.63	8.02	2.63
	46.0	5.72	2.08	5.96	2.08	6.19	2.08	6.31	2.08	6.65	2.08	6.87	2.08
2.5+3.5+3.5	22.0	8.04	2.45	8.41	2.50	8.77	2.54	8.96	2.57	9.51	2.64	9.88	2.69
	25.0	7.81	2.54	8.18	2.58	8.55	2.63	8.73	2.66	9.29	2.73	9.65	2.78
	32.0	7.29	2.76	7.66	2.81	8.03	2.86	8.21	2.88	8.77	2.95	9.13	3.00
	35.0	7.07	2.86	7.44	2.91	7.81	2.96	7.99	2.98	8.54	3.05	8.91	3.10
	40.0	6.70	3.05	7.07	3.09	7.43	3.14	7.62	3.17	8.14	3.19	8.47	3.19
	43.0	6.23	2.63	6.52	2.63	6.81	2.63	6.96	2.63	7.38	2.63	7.65	2.63
	46.0	5.46	2.08	5.69	2.08	5.92	2.08	6.03	2.08	6.36	2.08	6.57	2.08
2.5+3.5+5.0	22.0	8.37	2.46	8.75	2.51	9.14	2.55	9.33	2.58	9.90	2.65	10.29	2.70
	25.0	8.14	2.55	8.52	2.59	8.90	2.64	9.09	2.67	9.67	2.74	10.05	2.78
	32.0	7.59	2.77	7.98	2.82	8.36	2.87	8.55	2.89	9.13	2.96	9.51	3.01
	35.0	7.36	2.87	7.75	2.92	8.13	2.97	8.32	2.99	8.89	3.06	9.28	3.11
	40.0	6.97	3.06	7.36	3.11	7.74	3.15	7.93	3.18	8.47	3.19	8.81	3.19
	43.0	6.45	2.63	6.75	2.63	7.05	2.63	7.20	2.63	7.63	2.63	7.91	2.63
	46.0	5.62	2.08	5.86	2.08	6.09	2.08	6.21	2.08	6.55	2.08	6.77	2.08
2.5+3.5+6.0	22.0	8.55	2.51	8.94	2.56	9.33	2.60	9.53	2.63	10.12	2.70	10.51	2.75
	25.0	8.31	2.60	8.70	2.65	9.10	2.69	9.29	2.72	9.88	2.79	10.27	2.84
	32.0	7.76	2.83	8.15	2.87	8.54	2.92	8.74	2.95	9.32	3.02	9.72	3.07
	35.0	7.52	2.93	7.91	2.98	8.30	3.03	8.50	3.05	9.09	3.13	9.48	3.18
	40.0	7.13	3.12	7.52	3.17	7.89	3.19	8.07	3.19	8.60	3.19	8.95	3.19
	43.0	6.56	2.63	6.86	2.63	7.16	2.63	7.31	2.63	7.75	2.63	8.03	2.63
	46.0	5.71	2.08	5.95	2.08	6.19	2.08	6.30	2.08	6.64	2.08	6.86	2.08
2.5+3.5+7.1	22.0	8.75	2.68	9.15	2.73	9.55	2.78	9.75	2.81	10.35	2.89	10.76	2.94
	25.0	8.51	2.78	8.91	2.83	9.31	2.88	9.51	2.91	10.11	2.98	10.51	3.04
	32.0	7.94	3.02	8.34	3.07	8.74	3.12	8.94	3.15	9.54	3.23	9.95	3.28
	35.0	7.70	3.13	8.10	3.19	8.50	3.24	8.70	3.26	9.30	3.34	9.70	3.39
	40.0	7.25	3.19	7.62	3.19	7.98	3.19	8.16	3.19	8.68	3.19	9.02	3.19
	43.0	6.67	2.63	6.97	2.63	7.27	2.63	7.42	2.63	7.85	2.63	8.12	2.63
	46.0	5.82	2.08	6.06	2.08	6.29	2.08	6.41	2.08	6.74	2.08	6.96	2.08
2.5+5.0+5.0	22.0	8.65	2.44	9.05	2.49	9.44	2.54	9.64	2.56	10.24	2.63	10.63	2.68
	25.0	8.41	2.53	8.81	2.58	9.20	2.62	9.40	2.65	10.00	2.72	10.39	2.77
	32.0	7.85	2.75	8.25	2.80	8.64	2.85	8.84	2.87	9.43	2.94	9.83	2.99
	35.0	7.61	2.85	8.01	2.90	8.40	2.95	8.60	2.97	9.19	3.04	9.59	3.09
	40.0	7.21	3.04	7.61	3.08	8.00	3.13	8.20	3.16	8.76	3.19	9.11	3.19
	43.0	6.64	2.63	6.96	2.63	7.26	2.63	7.41	2.63	7.86	2.63	8.15	2.63
	46.0	5.76	2.08	6.01	2.08	6.25	2.08	6.37	2.08	6.71	2.08	6.94	2.08
2.5+5.0+6.0	22.0	8.80	2.53	9.20	2.58	9.61	2.63	9.81	2.65	10.41	2.73	10.82	2.78
	25.0	8.56	2.62	8.96	2.67	9.36	2.72	9.56	2.75	10.17	2.82	10.57	2.87
	32.0	7.99	2.85	8.39	2.90	8.79	2.95	8.99	2.98	9.60	3.05	10.00	3.10
	35.0	7.74	2.96	8.15	3.01	8.55	3.06	8.75	3.08	9.35	3.16	9.76	3.21
	40.0	7.33	3.15	7.73	3.19	8.11	3.19	8.29	3.19	8.83	3.19	9.18	3.19
	43.0	6.72	2.63	7.03	2.63	7.33	2.63	7.48	2.63	7.93	2.63	8.21	2.63
	46.0	5.83	2.08	6.07	2.08	6.31	2.08	6.43	2.08	6.78	2.08	7.00	2.08

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+3.5+3.5	22.0	8.30	2.56	8.68	2.61	9.06	2.66	9.25	2.68	9.82	2.75	10.20	2.80
	25.0	8.07	2.65	8.45	2.70	8.83	2.75	9.02	2.77	9.59	2.85	9.97	2.90
	32.0	7.53	2.88	7.91	2.93	8.29	2.98	8.48	3.01	9.05	3.08	9.43	3.13
	35.0	7.30	2.99	7.68	3.04	8.06	3.09	8.25	3.11	8.82	3.19	9.20	3.24
	40.0	6.92	3.18	7.28	3.19	7.64	3.19	7.81	3.19	8.33	3.19	8.66	3.19
	43.0	6.39	2.63	6.68	2.63	6.98	2.63	7.12	2.63	7.54	2.63	7.82	2.63
	46.0	5.59	2.08	5.83	2.08	6.05	2.08	6.17	2.08	6.50	2.08	6.71	2.08
3.5+3.5+5.0	22.0	8.56	2.58	8.95	2.63	9.34	2.68	9.54	2.71	10.13	2.78	10.52	2.83
	25.0	8.32	2.67	8.71	2.72	9.11	2.77	9.30	2.80	9.89	2.87	10.28	2.92
	32.0	7.77	2.91	8.16	2.96	8.55	3.01	8.75	3.03	9.34	3.11	9.73	3.16
	35.0	7.53	3.02	7.92	3.07	8.31	3.12	8.51	3.14	9.10	3.22	9.49	3.27
	40.0	7.13	3.19	7.50	3.19	7.86	3.19	8.04	3.19	8.56	3.19	8.90	3.19
	43.0	6.55	2.63	6.86	2.63	7.15	2.63	7.30	2.63	7.73	2.63	8.01	2.63
	46.0	5.72	2.08	5.96	2.08	6.19	2.08	6.30	2.08	6.64	2.08	6.86	2.08
3.5+3.5+6.0	22.0	8.70	2.68	9.10	2.73	9.50	2.78	9.70	2.81	10.29	2.89	10.69	2.94
	25.0	8.46	2.78	8.86	2.83	9.26	2.88	9.46	2.91	10.05	2.98	10.45	3.04
	32.0	7.90	3.02	8.29	3.07	8.69	3.12	8.89	3.15	9.49	3.23	9.89	3.28
	35.0	7.65	3.13	8.05	3.19	8.45	3.24	8.65	3.26	9.25	3.34	9.65	3.39
	40.0	7.21	3.19	7.58	3.19	7.94	3.19	8.12	3.19	8.64	3.19	8.98	3.19
	43.0	6.64	2.63	6.94	2.63	7.24	2.63	7.38	2.63	7.81	2.63	8.09	2.63
	46.0	5.80	2.08	6.04	2.08	6.27	2.08	6.38	2.08	6.72	2.08	6.93	2.08
3.5+5.0+5.0	22.0	8.80	2.49	9.20	2.54	9.61	2.59	9.81	2.61	10.41	2.68	10.82	2.73
	25.0	8.56	2.58	8.96	2.63	9.36	2.68	9.56	2.70	10.17	2.77	10.57	2.82
	32.0	7.99	2.81	8.39	2.86	8.79	2.90	8.99	2.93	9.60	3.00	10.00	3.05
	35.0	7.74	2.91	8.15	2.96	8.55	3.01	8.75	3.03	9.35	3.11	9.76	3.15
	40.0	7.33	3.10	7.74	3.15	8.14	3.19	8.32	3.19	8.86	3.19	9.22	3.19
	43.0	6.73	2.63	7.04	2.63	7.35	2.63	7.50	2.63	7.95	2.63	8.24	2.63
	46.0	5.83	2.08	6.08	2.08	6.32	2.08	6.44	2.08	6.79	2.08	7.01	2.08
2.5+2.5+2.5+2.5	22.0	8.39	2.41	8.77	2.45	9.16	2.50	9.35	2.53	9.93	2.60	10.31	2.64
	25.0	8.16	2.49	8.54	2.54	8.92	2.59	9.12	2.61	9.69	2.68	10.08	2.73
	32.0	7.61	2.71	8.00	2.76	8.38	2.81	8.57	2.83	9.15	2.90	9.53	2.95
	35.0	7.38	2.82	7.76	2.86	8.15	2.91	8.34	2.93	8.92	3.00	9.30	3.05
	40.0	6.99	3.00	7.38	3.04	7.76	3.09	7.95	3.11	8.53	3.18	8.88	3.19
	43.0	6.47	2.63	6.78	2.63	7.09	2.63	7.24	2.63	7.67	2.63	7.96	2.63
	46.0	5.63	2.08	5.87	2.08	6.11	2.08	6.23	2.08	6.57	2.08	6.79	2.08
2.5+2.5+2.5+3.5	22.0	8.55	2.53	8.94	2.58	9.33	2.63	9.53	2.65	10.12	2.73	10.51	2.78
	25.0	8.31	2.62	8.70	2.67	9.10	2.72	9.29	2.75	9.88	2.82	10.27	2.87
	32.0	7.76	2.85	8.15	2.90	8.54	2.95	8.74	2.98	9.32	3.05	9.72	3.10
	35.0	7.52	2.96	7.91	3.01	8.30	3.06	8.50	3.08	9.09	3.16	9.48	3.21
	40.0	7.13	3.15	7.51	3.19	7.88	3.19	8.06	3.19	8.58	3.19	8.93	3.19
	43.0	6.55	2.63	6.86	2.63	7.16	2.63	7.30	2.63	7.74	2.63	8.02	2.63
	46.0	5.71	2.08	5.95	2.08	6.18	2.08	6.30	2.08	6.64	2.08	6.86	2.08
2.5+2.5+2.5+5.0	22.0	8.74	2.56	9.14	2.61	9.54	2.66	9.74	2.68	10.34	2.75	10.74	2.80
	25.0	8.50	2.65	8.90	2.70	9.30	2.75	9.50	2.77	10.10	2.85	10.50	2.90
	32.0	7.93	2.88	8.33	2.93	8.73	2.98	8.93	3.01	9.53	3.08	9.93	3.13
	35.0	7.69	2.99	8.09	3.04	8.49	3.09	8.69	3.11	9.29	3.19	9.69	3.24
	40.0	7.28	3.18	7.67	3.19	8.04	3.19	8.22	3.19	8.75	3.19	9.10	3.19
	43.0	6.67	2.63	6.98	2.63	7.28	2.63	7.43	2.63	7.87	2.63	8.16	2.63
	46.0	5.80	2.08	6.04	2.08	6.28	2.08	6.40	2.08	6.74	2.08	6.96	2.08
2.5+2.5+2.5+6.0	22.0	8.85	2.65	9.26	2.70	9.66	2.75	9.87	2.78	10.47	2.85	10.88	2.90
	25.0	8.61	2.74	9.01	2.79	9.42	2.84	9.62	2.87	10.23	2.95	10.63	3.00
	32.0	8.03	2.98	8.44	3.03	8.84	3.09	9.05	3.11	9.65	3.19	10.06	3.24
	35.0	7.79	3.09	8.19	3.15	8.60	3.20	8.80	3.22	9.41	3.30	9.81	3.35
	40.0	7.34	3.19	7.72	3.19	8.08	3.19	8.27	3.19	8.79	3.19	9.14	3.19
	43.0	6.73	2.63	7.04	2.63	7.34	2.63	7.49	2.63	7.92	2.63	8.21	2.63
	46.0	5.86	2.08	6.10	2.08	6.34	2.08	6.45	2.08	6.80	2.08	7.02	2.08
2.5+2.5+3.5+3.5	22.0	8.67	2.61	9.07	2.66	9.47	2.72	9.66	2.74	10.26	2.82	10.66	2.87
	25.0	8.43	2.71	8.83	2.76	9.22	2.81	9.42	2.83	10.02	2.91	10.42	2.96
	32.0	7.87	2.95	8.27	3.00	8.66	3.05	8.86	3.07	9.46	3.15	9.85	3.20
	35.0	7.63	3.06	8.02	3.11	8.42	3.16	8.62	3.18	9.22	3.26	9.61	3.31
	40.0	7.21	3.19	7.58	3.19	7.94	3.19	8.12	3.19	8.64	3.19	8.99	3.19
	43.0	6.62	2.63	6.93	2.63	7.22	2.63	7.37	2.63	7.80	2.63	8.08	2.63
	46.0	5.77	2.08	6.01	2.08	6.25	2.08	6.36	2.08	6.70	2.08	6.92	2.08

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+3.5+5.0	22.0	8.85	2.65	9.26	2.70	9.66	2.75	9.87	2.78	10.47	2.85	10.88	2.90
	25.0	8.61	2.74	9.01	2.79	9.42	2.84	9.62	2.87	10.23	2.95	10.63	3.00
	32.0	8.03	2.98	8.44	3.03	8.84	3.09	9.05	3.11	9.65	3.19	10.06	3.24
	35.0	7.79	3.09	8.19	3.15	8.60	3.20	8.80	3.22	9.41	3.30	9.81	3.35
	40.0	7.34	3.19	7.72	3.19	8.08	3.19	8.27	3.19	8.79	3.19	9.14	3.19
	43.0	6.73	2.63	7.04	2.63	7.34	2.63	7.49	2.63	7.92	2.63	8.21	2.63
	46.0	5.86	2.08	6.10	2.08	6.34	2.08	6.45	2.08	6.80	2.08	7.02	2.08
2.5+3.5+3.5+3.5	22.0	8.80	2.70	9.20	2.76	9.61	2.81	9.81	2.84	10.41	2.91	10.82	2.97
	25.0	8.56	2.80	8.96	2.85	9.36	2.91	9.56	2.93	10.17	3.01	10.57	3.06
	32.0	7.99	3.05	8.39	3.10	8.79	3.15	8.99	3.18	9.60	3.26	10.00	3.31
	35.0	7.74	3.16	8.15	3.21	8.55	3.27	8.75	3.29	9.35	3.37	9.76	3.43
	40.0	7.29	3.19	7.66	3.19	8.02	3.19	8.20	3.19	8.72	3.19	9.06	3.19
	43.0	6.70	2.63	7.01	2.63	7.30	2.63	7.45	2.63	7.88	2.63	8.16	2.63
	46.0	5.85	2.08	6.09	2.08	6.32	2.08	6.43	2.08	6.77	2.08	6.99	2.08

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0, 6.0, 7.1kW class; wall mounted F series

3D050162#1
3D050162#2
3D050162#3
3D050162#4

[Cooling Capacity 50/60Hz 230V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.82	3.68	0.94	3.76	0.95	3.99	0.97	4.14	0.99
	25.0	2.63	0.70	3.23	0.88	3.58	0.97	3.66	0.98	3.89	1.01	4.05	1.02
	32.0	2.63	0.83	3.21	1.04	3.37	1.05	3.44	1.06	3.68	1.09	3.83	1.11
	35.0	2.63	0.89	3.12	1.07	3.27	1.09	3.35	1.10	3.58	1.13	3.74	1.15
	40.0	2.63	1.02	2.96	1.14	3.12	1.16	3.19	1.17	3.43	1.20	3.58	1.21
	43.0	2.63	1.11	2.87	1.19	3.02	1.20	3.10	1.21	3.33	1.24	3.49	1.26
	46.0	2.62	1.21	2.78	1.23	2.93	1.25	3.01	1.26	3.24	1.28	3.39	1.30
3.5	22.0	3.00	0.78	3.68	1.00	4.42	1.25	4.65	1.32	4.94	1.36	5.13	1.38
	25.0	3.00	0.84	3.68	1.07	4.42	1.34	4.54	1.36	4.82	1.40	5.01	1.42
	32.0	3.00	1.00	3.68	1.28	4.17	1.47	4.27	1.48	4.55	1.52	4.74	1.54
	35.0	3.00	1.08	3.68	1.38	4.05	1.52	4.15	1.53	4.44	1.57	4.63	1.59
	40.0	3.00	1.23	3.67	1.59	3.86	1.61	3.96	1.63	4.24	1.66	4.43	1.69
	43.0	3.00	1.35	3.55	1.65	3.75	1.67	3.84	1.69	4.13	1.72	4.32	1.75
	46.0	3.00	1.48	3.44	1.71	3.63	1.73	3.72	1.75	4.01	1.78	4.20	1.81
5.0	22.0	4.33	1.05	5.32	1.36	6.37	1.74	6.50	1.76	6.90	1.81	7.17	1.84
	25.0	4.33	1.13	5.32	1.47	6.21	1.80	6.34	1.82	6.74	1.87	7.01	1.90
	32.0	4.33	1.35	5.32	1.77	5.83	1.95	5.96	1.97	6.36	2.02	6.63	2.05
	35.0	4.33	1.46	5.32	1.94	5.67	2.03	5.80	2.04	6.20	2.09	6.47	2.12
	40.0	4.33	1.69	5.13	2.12	5.40	2.15	5.53	2.17	5.93	2.22	6.20	2.25
	43.0	4.33	1.86	4.97	2.20	5.23	2.23	5.37	2.25	5.77	2.30	6.04	2.33
	46.0	4.33	2.05	4.72	2.17	4.95	2.17	5.06	2.17	5.39	2.17	5.60	2.17
6.0	22.0	5.60	1.62	6.79	2.14	7.08	2.19	7.23	2.21	7.68	2.27	7.97	2.31
	25.0	5.60	1.75	6.60	2.22	6.90	2.26	7.05	2.28	7.50	2.34	7.79	2.38
	32.0	5.60	2.15	6.18	2.41	6.48	2.45	6.63	2.47	7.08	2.54	7.37	2.58
	35.0	5.60	2.37	6.00	2.50	6.30	2.54	6.45	2.56	6.90	2.62	7.19	2.67
	40.0	5.41	2.62	5.70	2.66	6.00	2.70	6.15	2.72	6.60	2.78	6.89	2.82
	43.0	5.23	2.72	5.52	2.75	5.80	2.75	5.94	2.75	6.34	2.75	6.60	2.75
	46.0	4.73	2.17	4.95	2.17	5.17	2.17	5.28	2.17	5.60	2.17	5.80	2.17

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
7.1	22.0	5.94	1.70	7.29	2.33	7.89	2.56	8.06	2.59	8.56	2.66	8.89	2.71
	25.0	5.94	1.84	7.29	2.55	7.69	2.65	7.86	2.67	8.36	2.75	8.69	2.79
	32.0	5.94	2.26	6.89	2.83	7.23	2.87	7.39	2.90	7.89	2.97	8.22	3.02
	35.0	5.94	2.48	6.69	2.93	7.02	2.98	7.19	3.00	7.69	3.08	8.02	3.12
	40.0	5.94	2.96	6.36	3.12	6.69	3.16	6.86	3.19	7.35	3.26	7.68	3.31
	43.0	5.75	2.75	6.04	2.75	6.32	2.75	6.45	2.75	6.86	2.75	7.12	2.75
	46.0	5.17	2.17	5.40	2.17	5.62	2.17	5.72	2.17	6.04	2.17	6.25	2.17
2.5+2.5	22.0	5.26	1.41	6.46	1.89	6.92	2.02	7.06	2.04	7.50	2.10	7.79	2.14
	25.0	5.26	1.53	6.45	2.06	6.74	2.09	6.89	2.11	7.32	2.17	7.61	2.21
	32.0	5.26	1.86	6.04	2.23	6.33	2.27	6.48	2.29	6.91	2.35	7.20	2.38
	35.0	5.26	2.04	5.86	2.32	6.15	2.35	6.30	2.37	6.74	2.43	7.03	2.47
	40.0	5.26	2.40	5.57	2.46	5.86	2.50	6.01	2.52	6.44	2.57	6.73	2.61
	43.0	5.11	2.52	5.40	2.55	5.69	2.59	5.83	2.61	6.27	2.67	6.56	2.71
	46.0	4.67	2.17	4.90	2.17	5.12	2.17	5.23	2.17	5.56	2.17	5.77	2.17
2.5+3.5	22.0	5.63	1.56	6.91	2.12	7.36	2.24	7.51	2.26	7.97	2.32	8.28	2.36
	25.0	5.63	1.69	6.86	2.27	7.17	2.31	7.32	2.34	7.79	2.40	8.10	2.44
	32.0	5.63	2.06	6.42	2.47	6.73	2.51	6.89	2.53	7.35	2.59	7.66	2.64
	35.0	5.63	2.27	6.24	2.56	6.55	2.60	6.70	2.62	7.16	2.69	7.47	2.73
	40.0	5.62	2.68	5.93	2.72	6.23	2.76	6.39	2.78	6.85	2.85	7.16	2.89
	43.0	5.42	2.75	5.71	2.75	6.00	2.75	6.14	2.75	6.55	2.75	6.81	2.75
	46.0	4.87	2.17	5.10	2.17	5.32	2.17	5.43	2.17	5.75	2.17	5.96	2.17
2.5+5.0	22.0	6.96	2.02	7.66	2.27	7.99	2.31	8.16	2.34	8.66	2.40	9.00	2.44
	25.0	6.96	2.21	7.45	2.35	7.79	2.39	7.96	2.42	8.46	2.48	8.80	2.52
	32.0	6.64	2.51	6.98	2.55	7.32	2.60	7.48	2.62	7.99	2.68	8.32	2.73
	35.0	6.44	2.60	6.78	2.65	7.11	2.69	7.28	2.71	7.78	2.78	8.12	2.82
	40.0	6.10	2.77	6.44	2.81	6.77	2.86	6.94	2.88	7.44	2.94	7.78	2.99
	43.0	5.85	2.75	6.15	2.75	6.45	2.75	6.60	2.75	7.03	2.75	7.30	2.75
	46.0	5.20	2.17	5.44	2.17	5.67	2.17	5.79	2.17	6.12	2.17	6.34	2.17
2.5+6.0	22.0	7.66	2.43	8.02	2.48	8.37	2.53	8.54	2.55	9.07	2.62	9.42	2.67
	25.0	7.45	2.52	7.80	2.57	8.15	2.61	8.33	2.64	8.86	2.71	9.21	2.76
	32.0	6.96	2.74	7.31	2.79	7.66	2.84	7.83	2.86	8.36	2.93	8.71	2.98
	35.0	6.74	2.84	7.09	2.89	7.44	2.94	7.62	2.96	8.15	3.03	8.50	3.08
	40.0	6.39	3.03	6.74	3.07	7.09	3.12	7.27	3.14	7.79	3.22	8.14	3.26
	43.0	6.05	2.75	6.35	2.75	6.65	2.75	6.79	2.75	7.22	2.75	7.49	2.75
	46.0	5.39	2.17	5.62	2.17	5.85	2.17	5.97	2.17	6.30	2.17	6.52	2.17
2.5+7.1	22.0	8.03	2.59	8.39	2.64	8.76	2.69	8.95	2.71	9.50	2.79	9.87	2.84
	25.0	7.80	2.68	8.17	2.73	8.54	2.78	8.72	2.81	9.27	2.88	9.64	2.93
	32.0	7.28	2.92	7.65	2.97	8.02	3.02	8.20	3.04	8.75	3.12	9.12	3.17
	35.0	7.06	3.03	7.43	3.08	7.80	3.13	7.98	3.15	8.53	3.23	8.90	3.28
	40.0	6.69	3.22	7.06	3.27	7.42	3.32	7.61	3.34	8.13	3.34	8.46	3.34
	43.0	6.30	2.75	6.60	2.75	6.90	2.75	7.04	2.75	7.47	2.75	7.75	2.75
	46.0	5.60	2.17	5.83	2.17	6.07	2.17	6.18	2.17	6.52	2.17	6.73	2.17
3.5+3.5	22.0	6.00	1.70	7.37	2.34	7.91	2.52	8.07	2.54	8.57	2.61	8.90	2.66
	25.0	6.00	1.85	7.37	2.56	7.70	2.61	7.87	2.63	8.37	2.70	8.70	2.75
	32.0	6.00	2.26	6.90	2.78	7.24	2.83	7.40	2.85	7.90	2.92	8.23	2.97
	35.0	6.00	2.49	6.70	2.88	7.03	2.93	7.20	2.95	7.70	3.02	8.03	3.07
	40.0	6.00	2.98	6.37	3.06	6.70	3.11	6.86	3.13	7.36	3.21	7.69	3.25
	43.0	5.75	2.75	6.04	2.75	6.33	2.75	6.46	2.75	6.87	2.75	7.14	2.75
	46.0	5.17	2.17	5.39	2.17	5.62	2.17	5.72	2.17	6.05	2.17	6.25	2.17
3.5+5.0	22.0	7.33	2.22	8.10	2.53	8.45	2.58	8.63	2.60	9.16	2.68	9.52	2.72
	25.0	7.33	2.43	7.88	2.62	8.24	2.67	8.42	2.69	8.95	2.76	9.30	2.81
	32.0	7.03	2.80	7.38	2.85	7.74	2.89	7.92	2.92	8.45	2.99	8.80	3.04
	35.0	6.81	2.90	7.17	2.95	7.52	3.00	7.70	3.02	8.23	3.10	8.59	3.14
	40.0	6.45	3.09	6.81	3.14	7.16	3.18	7.34	3.21	7.87	3.28	8.23	3.33
	43.0	6.11	2.75	6.41	2.75	6.70	2.75	6.84	2.75	7.27	2.75	7.55	2.75
	46.0	5.44	2.17	5.67	2.17	5.90	2.17	6.01	2.17	6.35	2.17	6.56	2.17
3.5+6.0	22.0	7.98	2.51	8.34	2.56	8.71	2.61	8.89	2.64	9.44	2.71	9.80	2.76
	25.0	7.76	2.61	8.12	2.65	8.49	2.70	8.67	2.73	9.22	2.80	9.58	2.85
	32.0	7.24	2.83	7.60	2.88	7.97	2.93	8.15	2.96	8.70	3.03	9.06	3.08
	35.0	7.02	2.94	7.38	2.99	7.75	3.04	7.93	3.06	8.48	3.14	8.84	3.19
	40.0	6.65	3.13	7.01	3.18	7.38	3.23	7.56	3.25	8.11	3.32	8.45	3.34
	43.0	6.26	2.75	6.57	2.75	6.87	2.75	7.01	2.75	7.45	2.75	7.73	2.75
	46.0	5.56	2.17	5.80	2.17	6.03	2.17	6.15	2.17	6.48	2.17	6.70	2.17

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+7.1	22.0	8.28	2.68	8.66	2.73	9.04	2.78	9.23	2.81	9.80	2.89	10.17	2.94
	25.0	8.05	2.78	8.43	2.83	8.81	2.88	9.00	2.91	9.57	2.98	9.94	3.04
	32.0	7.51	3.02	7.89	3.07	8.27	3.12	8.46	3.15	9.03	3.23	9.41	3.28
	35.0	7.28	3.13	7.66	3.19	8.04	3.24	8.23	3.26	8.80	3.34	9.18	3.39
	40.0	6.90	3.33	7.27	3.34	7.63	3.34	7.81	3.34	8.34	3.34	8.68	3.34
	43.0	6.47	2.75	6.78	2.75	7.08	2.75	7.22	2.75	7.65	2.75	7.93	2.75
	46.0	5.74	2.17	5.98	2.17	6.21	2.17	6.33	2.17	6.67	2.17	6.89	2.17
5.0+5.0	22.0	8.13	2.54	8.50	2.59	8.87	2.64	9.06	2.66	9.62	2.74	9.99	2.79
	25.0	7.90	2.63	8.27	2.68	8.65	2.73	8.83	2.75	9.39	2.83	9.76	2.88
	32.0	7.38	2.86	7.75	2.91	8.12	2.96	8.31	2.99	8.86	3.06	9.24	3.11
	35.0	7.15	2.97	7.52	3.02	7.89	3.07	8.08	3.09	8.64	3.17	9.01	3.22
	40.0	6.77	3.16	7.15	3.21	7.52	3.26	7.70	3.28	8.25	3.34	8.60	3.34
	43.0	6.37	2.75	6.67	2.75	6.97	2.75	7.12	2.75	7.56	2.75	7.84	2.75
	46.0	5.64	2.17	5.88	2.17	6.11	2.17	6.23	2.17	6.57	2.17	6.79	2.17
5.0+6.0	22.0	8.36	2.59	8.74	2.64	9.12	2.69	9.32	2.71	9.89	2.79	10.27	2.84
	25.0	8.13	2.68	8.51	2.73	8.89	2.78	9.08	2.81	9.66	2.88	10.04	2.93
	32.0	7.59	2.92	7.97	2.97	8.35	3.02	8.54	3.04	9.12	3.12	9.50	3.17
	35.0	7.35	3.03	7.74	3.08	8.12	3.13	8.31	3.15	8.88	3.23	9.27	3.28
	40.0	6.97	3.22	7.35	3.27	7.73	3.32	7.92	3.34	8.45	3.34	8.80	3.34
	43.0	6.52	2.75	6.83	2.75	7.14	2.75	7.29	2.75	7.73	2.75	8.01	2.75
	46.0	5.76	2.17	6.00	2.17	6.24	2.17	6.36	2.17	6.70	2.17	6.93	2.17
5.0+7.1	22.0	8.54	2.82	8.93	2.87	9.32	2.93	9.52	2.96	10.10	3.04	10.50	3.09
	25.0	8.30	2.92	8.69	2.97	9.09	3.03	9.28	3.06	9.87	3.14	10.26	3.19
	32.0	7.75	3.18	8.14	3.23	8.53	3.29	8.73	3.31	9.31	3.40	9.71	3.45
	35.0	7.51	3.30	7.90	3.35	8.29	3.41	8.49	3.43	9.08	3.52	9.47	3.57
	40.0	7.11	3.34	7.48	3.34	7.85	3.34	8.03	3.34	8.55	3.34	8.89	3.34
	43.0	6.67	2.75	6.97	2.75	7.27	2.75	7.42	2.75	7.85	2.75	8.13	2.75
	46.0	5.91	2.17	6.15	2.17	6.38	2.17	6.50	2.17	6.84	2.17	7.06	2.17
6.0+6.0	22.0	8.52	2.78	8.91	2.83	9.30	2.89	9.50	2.91	10.08	2.99	10.47	3.05
	25.0	8.28	2.88	8.67	2.93	9.06	2.99	9.26	3.01	9.84	3.09	10.23	3.15
	32.0	7.73	3.13	8.12	3.19	8.51	3.24	8.71	3.27	9.29	3.35	9.68	3.40
	35.0	7.49	3.25	7.88	3.30	8.27	3.36	8.47	3.38	9.06	3.46	9.45	3.52
	40.0	7.09	3.34	7.47	3.34	7.83	3.34	8.01	3.34	8.54	3.34	8.88	3.34
	43.0	6.64	2.75	6.95	2.75	7.25	2.75	7.40	2.75	7.83	2.75	8.11	2.75
	46.0	5.89	2.17	6.12	2.17	6.36	2.17	6.48	2.17	6.82	2.17	7.04	2.17
6.0+7.1	22.0	8.62	2.87	9.02	2.92	9.41	2.98	9.61	3.01	10.20	3.09	10.59	3.15
	25.0	8.38	2.97	8.78	3.03	9.17	3.08	9.37	3.11	9.96	3.19	10.36	3.25
	32.0	7.82	3.23	8.22	3.29	8.61	3.34	8.81	3.37	9.40	3.46	9.80	3.51
	35.0	7.58	3.35	7.98	3.41	8.37	3.47	8.57	3.49	9.16	3.58	9.56	3.63
	40.0	7.18	3.34	7.55	3.34	7.92	3.34	8.09	3.34	8.62	3.34	8.96	3.34
	43.0	6.73	2.75	7.04	2.75	7.33	2.75	7.48	2.75	7.91	2.75	8.19	2.75
	46.0	5.97	2.17	6.20	2.17	6.44	2.17	6.55	2.17	6.89	2.17	7.11	2.17
2.5+2.5+2.5	22.0	7.65	2.19	8.01	2.24	8.36	2.28	8.53	2.30	9.06	2.37	9.41	2.41
	25.0	7.44	2.27	7.79	2.32	8.14	2.36	8.32	2.38	8.84	2.44	9.20	2.49
	32.0	6.95	2.47	7.30	2.52	7.65	2.56	7.82	2.58	8.35	2.64	8.70	2.69
	35.0	6.73	2.57	7.08	2.61	7.43	2.65	7.61	2.67	8.14	2.74	8.49	2.78
	40.0	6.38	2.73	6.73	2.77	7.08	2.82	7.26	2.84	7.78	2.90	8.13	2.94
	43.0	6.12	2.75	6.44	2.75	6.75	2.75	6.90	2.75	7.35	2.75	7.64	2.75
	46.0	5.40	2.17	5.65	2.17	5.89	2.17	6.01	2.17	6.36	2.17	6.59	2.17
2.5+2.5+3.5	22.0	7.82	2.31	8.17	2.35	8.53	2.40	8.71	2.42	9.25	2.49	9.61	2.53
	25.0	7.60	2.39	7.96	2.44	8.31	2.48	8.49	2.50	9.03	2.57	9.39	2.62
	32.0	7.09	2.60	7.45	2.65	7.81	2.69	7.99	2.72	8.52	2.78	8.88	2.83
	35.0	6.88	2.70	7.23	2.75	7.59	2.79	7.77	2.81	8.31	2.88	8.66	2.93
	40.0	6.51	2.87	6.87	2.92	7.23	2.96	7.41	2.99	7.95	3.05	8.30	3.10
	43.0	6.19	2.75	6.50	2.75	6.81	2.75	6.96	2.75	7.40	2.75	7.69	2.75
	46.0	5.47	2.17	5.71	2.17	5.95	2.17	6.07	2.17	6.42	2.17	6.64	2.17
2.5+2.5+5.0	22.0	8.23	2.36	8.61	2.40	8.98	2.45	9.17	2.47	9.74	2.54	10.11	2.59
	25.0	8.00	2.44	8.38	2.49	8.75	2.54	8.94	2.56	9.51	2.63	9.88	2.67
	32.0	7.47	2.66	7.84	2.70	8.22	2.75	8.41	2.77	8.97	2.84	9.35	2.89
	35.0	7.24	2.76	7.61	2.80	7.99	2.85	8.18	2.87	8.75	2.94	9.12	2.99
	40.0	6.86	2.93	7.23	2.98	7.61	3.03	7.80	3.05	8.36	3.12	8.74	3.16
	43.0	6.47	2.75	6.80	2.75	7.11	2.75	7.27	2.75	7.72	2.75	8.02	2.75
	46.0	5.69	2.17	5.94	2.17	6.18	2.17	6.31	2.17	6.66	2.17	6.89	2.17

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+6.0	22.0	8.37	2.42	8.75	2.47	9.14	2.52	9.33	2.54	9.90	2.61	10.29	2.66
	25.0	8.14	2.51	8.52	2.56	8.90	2.61	9.09	2.63	9.67	2.70	10.05	2.75
	32.0	7.59	2.73	7.98	2.78	8.36	2.83	8.55	2.85	9.13	2.92	9.51	2.97
	35.0	7.36	2.84	7.75	2.88	8.13	2.93	8.32	2.95	8.89	3.02	9.28	3.07
	40.0	6.97	3.02	7.36	3.06	7.74	3.11	7.93	3.13	8.51	3.21	8.89	3.25
	43.0	6.55	2.75	6.87	2.75	7.19	2.75	7.34	2.75	7.80	2.75	8.09	2.75
	46.0	5.75	2.17	6.01	2.17	6.25	2.17	6.37	2.17	6.73	2.17	6.96	2.17
2.5+2.5+7.1	22.0	8.57	2.56	8.96	2.61	9.36	2.66	9.55	2.68	10.14	2.75	10.53	2.80
	25.0	8.33	2.65	8.72	2.70	9.12	2.75	9.31	2.77	9.90	2.85	10.29	2.90
	32.0	7.78	2.88	8.17	2.93	8.56	2.98	8.76	3.01	9.35	3.08	9.74	3.13
	35.0	7.54	2.99	7.93	3.04	8.32	3.09	8.52	3.11	9.11	3.19	9.50	3.24
	40.0	7.14	3.18	7.53	3.23	7.93	3.28	8.12	3.30	8.69	3.34	9.04	3.34
	43.0	6.66	2.75	6.98	2.75	7.29	2.75	7.45	2.75	7.90	2.75	8.19	2.75
	46.0	5.86	2.17	6.11	2.17	6.35	2.17	6.47	2.17	6.83	2.17	7.06	2.17
2.5+3.5+3.5	22.0	8.04	2.45	8.41	2.50	8.77	2.54	8.96	2.57	9.51	2.64	9.88	2.69
	25.0	7.81	2.54	8.18	2.58	8.55	2.63	8.73	2.66	9.29	2.73	9.65	2.78
	32.0	7.29	2.76	7.66	2.81	8.03	2.86	8.21	2.88	8.77	2.95	9.13	3.00
	35.0	7.07	2.86	7.44	2.91	7.81	2.96	7.99	2.98	8.54	3.05	8.91	3.10
	40.0	6.70	3.05	7.07	3.09	7.43	3.14	7.62	3.17	8.17	3.24	8.54	3.29
	43.0	6.31	2.75	6.62	2.75	6.93	2.75	7.08	2.75	7.52	2.75	7.80	2.75
	46.0	5.58	2.17	5.83	2.17	6.06	2.17	6.18	2.17	6.52	2.17	6.75	2.17
2.5+3.5+5.0	22.0	8.37	2.46	8.75	2.51	9.14	2.55	9.33	2.58	9.90	2.65	10.29	2.70
	25.0	8.14	2.55	8.52	2.59	8.90	2.64	9.09	2.67	9.67	2.74	10.05	2.78
	32.0	7.59	2.77	7.98	2.82	8.36	2.87	8.55	2.89	9.13	2.96	9.51	3.01
	35.0	7.36	2.87	7.75	2.92	8.13	2.97	8.32	2.99	8.89	3.06	9.28	3.11
	40.0	6.97	3.06	7.36	3.11	7.74	3.15	7.93	3.18	8.51	3.25	8.89	3.30
	43.0	6.54	2.75	6.86	2.75	7.17	2.75	7.33	2.75	7.78	2.75	8.07	2.75
	46.0	5.75	2.17	6.00	2.17	6.25	2.17	6.37	2.17	6.72	2.17	6.95	2.17
2.5+3.5+6.0	22.0	8.55	2.51	8.94	2.56	9.33	2.60	9.53	2.63	10.12	2.70	10.51	2.75
	25.0	8.31	2.60	8.70	2.65	9.10	2.69	9.29	2.72	9.88	2.79	10.27	2.84
	32.0	7.76	2.83	8.15	2.87	8.54	2.92	8.74	2.95	9.32	3.02	9.72	3.07
	35.0	7.52	2.93	7.91	2.98	8.30	3.03	8.50	3.05	9.09	3.13	9.48	3.18
	40.0	7.13	3.12	7.52	3.17	7.91	3.22	8.10	3.24	8.69	3.31	9.06	3.34
	43.0	6.66	2.75	6.98	2.75	7.29	2.75	7.45	2.75	7.90	2.75	8.20	2.75
	46.0	5.85	2.17	6.10	2.17	6.34	2.17	6.46	2.17	6.82	2.17	7.05	2.17
2.5+3.5+7.1	22.0	8.75	2.68	9.15	2.73	9.55	2.78	9.75	2.81	10.35	2.89	10.76	2.94
	25.0	8.51	2.78	8.91	2.83	9.31	2.88	9.51	2.91	10.11	2.98	10.51	3.04
	32.0	7.94	3.02	8.34	3.07	8.74	3.12	8.94	3.15	9.54	3.23	9.95	3.28
	35.0	7.70	3.13	8.10	3.19	8.50	3.24	8.70	3.26	9.30	3.34	9.70	3.39
	40.0	7.29	3.33	7.68	3.34	8.06	3.34	8.24	3.34	8.79	3.34	9.14	3.34
	43.0	6.78	2.75	7.09	2.75	7.40	2.75	7.56	2.75	8.00	2.75	8.30	2.75
	46.0	5.96	2.17	6.21	2.17	6.46	2.17	6.57	2.17	6.93	2.17	7.16	2.17
2.5+5.0+5.0	22.0	8.65	2.44	9.05	2.49	9.44	2.54	9.64	2.56	10.24	2.63	10.63	2.68
	25.0	8.41	2.53	8.81	2.58	9.20	2.62	9.40	2.65	10.00	2.72	10.39	2.77
	32.0	7.85	2.75	8.25	2.80	8.64	2.85	8.84	2.87	9.43	2.94	9.83	2.99
	35.0	7.61	2.85	8.01	2.90	8.40	2.95	8.60	2.97	9.19	3.04	9.59	3.09
	40.0	7.21	3.04	7.61	3.08	8.00	3.13	8.20	3.16	8.79	3.23	9.19	3.27
	43.0	6.75	2.75	7.07	2.75	7.40	2.75	7.55	2.75	8.02	2.75	8.32	2.75
	46.0	5.90	2.17	6.16	2.17	6.41	2.17	6.53	2.17	6.90	2.17	7.13	2.17
2.5+5.0+6.0	22.0	8.80	2.53	9.20	2.58	9.61	2.63	9.81	2.65	10.41	2.73	10.82	2.78
	25.0	8.56	2.62	8.96	2.67	9.36	2.72	9.56	2.75	10.17	2.82	10.57	2.87
	32.0	7.99	2.85	8.39	2.90	8.79	2.95	8.99	2.98	9.60	3.05	10.00	3.10
	35.0	7.74	2.96	8.15	3.01	8.55	3.06	8.75	3.08	9.35	3.16	9.76	3.21
	40.0	7.33	3.15	7.74	3.20	8.14	3.25	8.34	3.27	8.94	3.34	9.30	3.34
	43.0	6.82	2.75	7.15	2.75	7.47	2.75	7.63	2.75	8.09	2.75	8.39	2.75
	46.0	5.97	2.17	6.23	2.17	6.48	2.17	6.60	2.17	6.96	2.17	7.20	2.17
3.5+3.5+3.5	22.0	8.30	2.56	8.68	2.61	9.06	2.66	9.25	2.68	9.82	2.75	10.20	2.80
	25.0	8.07	2.65	8.45	2.70	8.83	2.75	9.02	2.77	9.59	2.85	9.97	2.90
	32.0	7.53	2.88	7.91	2.93	8.29	2.98	8.48	3.01	9.05	3.08	9.43	3.13
	35.0	7.30	2.99	7.68	3.04	8.06	3.09	8.25	3.11	8.82	3.19	9.20	3.24
	40.0	6.92	3.18	7.30	3.23	7.68	3.28	7.87	3.30	8.41	3.34	8.76	3.34
	43.0	6.48	2.75	6.79	2.75	7.10	2.75	7.25	2.75	7.69	2.75	7.97	2.75
	46.0	5.72	2.17	5.97	2.17	6.21	2.17	6.32	2.17	6.67	2.17	6.89	2.17

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+3.5+5.0	22.0	8.56	2.58	8.95	2.63	9.34	2.68	9.54	2.71	10.13	2.78	10.52	2.83
	25.0	8.32	2.67	8.71	2.72	9.11	2.77	9.30	2.80	9.89	2.87	10.28	2.92
	32.0	7.77	2.91	8.16	2.96	8.55	3.01	8.75	3.03	9.34	3.11	9.73	3.16
	35.0	7.53	3.02	7.92	3.07	8.31	3.12	8.51	3.14	9.10	3.22	9.49	3.27
	40.0	7.13	3.21	7.53	3.26	7.92	3.31	8.11	3.34	8.66	3.34	9.01	3.34
	43.0	6.65	2.75	6.97	2.75	7.28	2.75	7.43	2.75	7.88	2.75	8.17	2.75
	46.0	5.86	2.17	6.10	2.17	6.35	2.17	6.47	2.17	6.82	2.17	7.05	2.17
3.5+3.5+6.0	22.0	8.70	2.68	9.10	2.73	9.50	2.78	9.70	2.81	10.29	2.89	10.69	2.94
	25.0	8.46	2.78	8.86	2.83	9.26	2.88	9.46	2.91	10.05	2.98	10.45	3.04
	32.0	7.90	3.02	8.29	3.07	8.69	3.12	8.89	3.15	9.49	3.23	9.89	3.28
	35.0	7.65	3.13	8.05	3.19	8.45	3.24	8.65	3.26	9.25	3.34	9.65	3.39
	40.0	7.25	3.33	7.64	3.34	8.01	3.34	8.20	3.34	8.74	3.34	9.09	3.34
	43.0	6.74	2.75	7.06	2.75	7.37	2.75	7.52	2.75	7.97	2.75	8.26	2.75
	46.0	5.94	2.17	6.19	2.17	6.43	2.17	6.55	2.17	6.90	2.17	7.13	2.17
3.5+5.0+5.0	22.0	8.80	2.49	9.20	2.54	9.61	2.59	9.81	2.61	10.41	2.68	10.82	2.73
	25.0	8.56	2.58	8.96	2.63	9.36	2.68	9.56	2.70	10.17	2.77	10.57	2.82
	32.0	7.99	2.81	8.39	2.86	8.79	2.90	8.99	2.93	9.60	3.00	10.00	3.05
	35.0	7.74	2.91	8.15	2.96	8.55	3.01	8.75	3.03	9.35	3.11	9.76	3.15
	40.0	7.33	3.10	7.74	3.15	8.14	3.20	8.34	3.22	8.95	3.29	9.35	3.34
	43.0	6.83	2.75	7.16	2.75	7.49	2.75	7.64	2.75	8.11	2.75	8.41	2.75
	46.0	5.97	2.17	6.23	2.17	6.48	2.17	6.61	2.17	6.97	2.17	7.21	2.17
2.5+2.5+2.5+2.5	22.0	8.39	2.41	8.77	2.45	9.16	2.50	9.35	2.53	9.93	2.60	10.31	2.64
	25.0	8.16	2.49	8.54	2.54	8.92	2.59	9.12	2.61	9.69	2.68	10.08	2.73
	32.0	7.61	2.71	8.00	2.76	8.38	2.81	8.57	2.83	9.15	2.90	9.53	2.95
	35.0	7.38	2.82	7.76	2.86	8.15	2.91	8.34	2.93	8.92	3.00	9.30	3.05
	40.0	6.99	3.00	7.38	3.04	7.76	3.09	7.95	3.11	8.53	3.18	8.91	3.23
	43.0	6.57	2.75	6.90	2.75	7.21	2.75	7.37	2.75	7.82	2.75	8.12	2.75
	46.0	5.77	2.17	6.02	2.17	6.27	2.17	6.39	2.17	6.75	2.17	6.98	2.17
2.5+2.5+2.5+3.5	22.0	8.55	2.53	8.94	2.58	9.33	2.63	9.53	2.65	10.12	2.73	10.51	2.78
	25.0	8.31	2.62	8.70	2.67	9.10	2.72	9.29	2.75	9.88	2.82	10.27	2.87
	32.0	7.76	2.85	8.15	2.90	8.54	2.95	8.74	2.98	9.32	3.05	9.72	3.10
	35.0	7.52	2.96	7.91	3.01	8.30	3.06	8.50	3.08	9.09	3.16	9.48	3.21
	40.0	7.13	3.15	7.52	3.20	7.91	3.25	8.10	3.27	8.68	3.34	9.04	3.34
	43.0	6.65	2.75	6.97	2.75	7.29	2.75	7.44	2.75	7.89	2.75	8.19	2.75
	46.0	5.85	2.17	6.10	2.17	6.34	2.17	6.46	2.17	6.82	2.17	7.05	2.17
2.5+2.5+2.5+5.0	22.0	8.74	2.56	9.14	2.61	9.54	2.66	9.74	2.68	10.34	2.75	10.74	2.80
	25.0	8.50	2.65	8.90	2.70	9.30	2.75	9.50	2.77	10.10	2.85	10.50	2.90
	32.0	7.93	2.88	8.33	2.93	8.73	2.98	8.93	3.01	9.53	3.08	9.93	3.13
	35.0	7.69	2.99	8.09	3.04	8.49	3.09	8.69	3.11	9.29	3.19	9.69	3.24
	40.0	7.28	3.18	7.68	3.23	8.09	3.28	8.29	3.30	8.86	3.34	9.22	3.34
	43.0	6.78	2.75	7.10	2.75	7.42	2.75	7.57	2.75	8.03	2.75	8.33	2.75
	46.0	5.94	2.17	6.20	2.17	6.44	2.17	6.57	2.17	6.93	2.17	7.16	2.17
2.5+2.5+2.5+6.0	22.0	8.85	2.65	9.26	2.70	9.66	2.75	9.87	2.78	10.47	2.85	10.88	2.90
	25.0	8.61	2.74	9.01	2.79	9.42	2.84	9.62	2.87	10.23	2.95	10.63	3.00
	32.0	8.03	2.98	8.44	3.03	8.84	3.09	9.05	3.11	9.65	3.19	10.06	3.24
	35.0	7.79	3.09	8.19	3.15	8.60	3.20	8.80	3.22	9.41	3.30	9.81	3.35
	40.0	7.38	3.29	7.78	3.34	8.16	3.34	8.35	3.34	8.90	3.34	9.26	3.34
	43.0	6.84	2.75	7.16	2.75	7.48	2.75	7.63	2.75	8.09	2.75	8.38	2.75
	46.0	6.01	2.17	6.26	2.17	6.50	2.17	6.63	2.17	6.98	2.17	7.21	2.17
2.5+2.5+3.5+3.5	22.0	8.67	2.61	9.07	2.66	9.47	2.72	9.66	2.74	10.26	2.82	10.66	2.87
	25.0	8.43	2.71	8.83	2.76	9.22	2.81	9.42	2.83	10.02	2.91	10.42	2.96
	32.0	7.87	2.95	8.27	3.00	8.66	3.05	8.86	3.07	9.46	3.15	9.85	3.20
	35.0	7.63	3.06	8.02	3.11	8.42	3.16	8.62	3.18	9.22	3.26	9.61	3.31
	40.0	7.23	3.25	7.62	3.30	8.01	3.34	8.20	3.34	8.75	3.34	9.10	3.34
	43.0	6.72	2.75	7.04	2.75	7.35	2.75	7.51	2.75	7.96	2.75	8.25	2.75
	46.0	5.91	2.17	6.16	2.17	6.41	2.17	6.53	2.17	6.88	2.17	7.11	2.17
2.5+2.5+3.5+5.0	22.0	8.85	2.65	9.26	2.70	9.66	2.75	9.87	2.78	10.47	2.85	10.88	2.90
	25.0	8.61	2.74	9.01	2.79	9.42	2.84	9.62	2.87	10.23	2.95	10.63	3.00
	32.0	8.03	2.98	8.44	3.03	8.84	3.09	9.05	3.11	9.65	3.19	10.06	3.24
	35.0	7.79	3.09	8.19	3.15	8.60	3.20	8.80	3.22	9.41	3.30	9.81	3.35
	40.0	7.38	3.29	7.78	3.34	8.16	3.34	8.35	3.34	8.90	3.34	9.26	3.34
	43.0	6.84	2.75	7.16	2.75	7.48	2.75	7.63	2.75	8.09	2.75	8.38	2.75
	46.0	6.01	2.17	6.26	2.17	6.50	2.17	6.63	2.17	6.98	2.17	7.21	2.17

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+3.5+3.5	22.0	8.80	2.70	9.20	2.76	9.61	2.81	9.81	2.84	10.41	2.91	10.82	2.97
	25.0	8.56	2.80	8.96	2.85	9.36	2.91	9.56	2.93	10.17	3.01	10.57	3.06
	32.0	7.99	3.05	8.39	3.10	8.79	3.15	8.99	3.18	9.60	3.26	10.00	3.31
	35.0	7.74	3.16	8.15	3.21	8.55	3.27	8.75	3.29	9.35	3.37	9.76	3.43
	40.0	7.33	3.34	7.72	3.34	8.09	3.34	8.28	3.34	8.83	3.34	9.18	3.34
	43.0	6.81	2.75	7.13	2.75	7.44	2.75	7.59	2.75	8.04	2.75	8.33	2.75
	46.0	5.99	2.17	6.24	2.17	6.48	2.17	6.60	2.17	6.96	2.17	7.18	2.17

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 5.0m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0, 6.0, 7.1kW class; wall mounted F series

3D050165#1
3D050165#2
3D050165#3
3D050165#4

[Cooling Capacity 50Hz 240V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	2.63	0.65	3.23	0.82	3.68	0.94	3.76	0.95	3.99	0.97	4.14	0.99
	25.0	2.63	0.70	3.23	0.88	3.58	0.97	3.66	0.98	3.89	1.01	4.05	1.02
	32.0	2.63	0.83	3.21	1.04	3.37	1.05	3.44	1.06	3.68	1.09	3.83	1.11
	35.0	2.63	0.89	3.12	1.07	3.27	1.09	3.35	1.10	3.58	1.13	3.74	1.15
	40.0	2.63	1.02	2.96	1.14	3.12	1.16	3.19	1.17	3.43	1.20	3.58	1.21
	43.0	2.63	1.11	2.87	1.19	3.02	1.20	3.10	1.21	3.33	1.24	3.49	1.26
	46.0	2.62	1.21	2.78	1.23	2.93	1.25	3.01	1.26	3.24	1.28	3.39	1.30
3.5	22.0	3.00	0.78	3.68	1.00	4.42	1.25	4.65	1.32	4.94	1.36	5.13	1.38
	25.0	3.00	0.84	3.68	1.07	4.42	1.34	4.54	1.36	4.82	1.40	5.01	1.42
	32.0	3.00	1.00	3.68	1.28	4.17	1.47	4.27	1.48	4.55	1.52	4.74	1.54
	35.0	3.00	1.08	3.68	1.38	4.05	1.52	4.15	1.53	4.44	1.57	4.63	1.59
	40.0	3.00	1.23	3.67	1.59	3.86	1.61	3.96	1.63	4.24	1.66	4.43	1.69
	43.0	3.00	1.35	3.55	1.65	3.75	1.67	3.84	1.69	4.13	1.72	4.32	1.75
	46.0	3.00	1.48	3.44	1.71	3.63	1.73	3.72	1.75	4.01	1.78	4.20	1.81
5.0	22.0	4.33	1.05	5.32	1.36	6.37	1.74	6.50	1.76	6.90	1.81	7.17	1.84
	25.0	4.33	1.13	5.32	1.47	6.21	1.80	6.34	1.82	6.74	1.87	7.01	1.90
	32.0	4.33	1.35	5.32	1.77	5.83	1.95	5.96	1.97	6.36	2.02	6.63	2.05
	35.0	4.33	1.46	5.32	1.94	5.67	2.03	5.80	2.04	6.20	2.09	6.47	2.12
	40.0	4.33	1.69	5.13	2.12	5.40	2.15	5.53	2.17	5.93	2.22	6.20	2.25
	43.0	4.33	1.86	4.97	2.20	5.23	2.23	5.37	2.25	5.77	2.30	6.04	2.33
	46.0	4.33	2.05	4.80	2.27	5.03	2.27	5.15	2.27	5.50	2.27	5.72	2.27
6.0	22.0	5.60	1.62	6.79	2.14	7.08	2.19	7.23	2.21	7.68	2.27	7.97	2.31
	25.0	5.60	1.75	6.60	2.22	6.90	2.26	7.05	2.28	7.50	2.34	7.79	2.38
	32.0	5.60	2.15	6.18	2.41	6.48	2.45	6.63	2.47	7.08	2.54	7.37	2.58
	35.0	5.60	2.37	6.00	2.50	6.30	2.54	6.45	2.56	6.90	2.62	7.19	2.67
	40.0	5.41	2.62	5.70	2.66	6.00	2.70	6.15	2.72	6.60	2.78	6.89	2.82
	43.0	5.23	2.72	5.52	2.76	5.82	2.80	5.97	2.82	6.41	2.87	6.68	2.87
	46.0	4.81	2.27	5.04	2.27	5.27	2.27	5.38	2.27	5.71	2.27	5.92	2.27
7.1	22.0	5.94	1.70	7.29	2.33	7.89	2.56	8.06	2.59	8.56	2.66	8.89	2.71
	25.0	5.94	1.84	7.29	2.55	7.69	2.65	7.86	2.67	8.36	2.75	8.69	2.79
	32.0	5.94	2.26	6.89	2.83	7.23	2.87	7.39	2.90	7.89	2.97	8.22	3.02
	35.0	5.94	2.48	6.69	2.93	7.02	2.98	7.19	3.00	7.69	3.08	8.02	3.12
	40.0	5.94	2.96	6.36	3.12	6.69	3.16	6.86	3.19	7.35	3.26	7.68	3.31
	43.0	5.79	2.87	6.09	2.87	6.38	2.87	6.53	2.87	6.95	2.87	7.23	2.87
	46.0	5.27	2.27	5.50	2.27	5.73	2.27	5.84	2.27	6.18	2.27	6.39	2.27
2.5+2.5	22.0	5.26	1.41	6.46	1.89	6.92	2.02	7.06	2.04	7.50	2.10	7.79	2.14
	25.0	5.26	1.53	6.45	2.06	6.74	2.09	6.89	2.11	7.32	2.17	7.61	2.21
	32.0	5.26	1.86	6.04	2.23	6.33	2.27	6.48	2.29	6.91	2.35	7.20	2.38
	35.0	5.26	2.04	5.86	2.32	6.15	2.35	6.30	2.37	6.74	2.43	7.03	2.47
	40.0	5.26	2.40	5.57	2.46	5.86	2.50	6.01	2.52	6.44	2.57	6.73	2.61
	43.0	5.11	2.52	5.40	2.55	5.69	2.59	5.83	2.61	6.27	2.67	6.56	2.71
	46.0	4.75	2.27	4.99	2.27	5.22	2.27	5.33	2.27	5.67	2.27	5.89	2.27

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5	22.0	5.63	1.56	6.91	2.12	7.36	2.24	7.51	2.26	7.97	2.32	8.28	2.36
	25.0	5.63	1.69	6.86	2.27	7.17	2.31	7.32	2.34	7.79	2.40	8.10	2.44
	32.0	5.63	2.06	6.42	2.47	6.73	2.51	6.89	2.53	7.35	2.59	7.66	2.64
	35.0	5.63	2.27	6.24	2.56	6.55	2.60	6.70	2.62	7.16	2.69	7.47	2.73
	40.0	5.62	2.68	5.93	2.72	6.23	2.76	6.39	2.78	6.85	2.85	7.16	2.89
	43.0	5.43	2.78	5.74	2.82	6.05	2.86	6.20	2.87	6.62	2.87	6.90	2.87
	46.0	4.96	2.27	5.20	2.27	5.43	2.27	5.54	2.27	5.88	2.27	6.09	2.27
2.5+5.0	22.0	6.96	2.02	7.66	2.27	7.99	2.31	8.16	2.34	8.66	2.40	9.00	2.44
	25.0	6.96	2.21	7.45	2.35	7.79	2.39	7.96	2.42	8.46	2.48	8.80	2.52
	32.0	6.64	2.51	6.98	2.55	7.32	2.60	7.48	2.62	7.99	2.68	8.32	2.73
	35.0	6.44	2.60	6.78	2.65	7.11	2.69	7.28	2.71	7.78	2.78	8.12	2.82
	40.0	6.10	2.77	6.44	2.81	6.77	2.86	6.94	2.88	7.44	2.94	7.78	2.99
	43.0	5.90	2.87	6.22	2.87	6.53	2.87	6.68	2.87	7.13	2.87	7.42	2.87
	46.0	5.30	2.27	5.55	2.27	5.79	2.27	5.91	2.27	6.26	2.27	6.49	2.27
2.5+6.0	22.0	7.66	2.43	8.02	2.48	8.37	2.53	8.54	2.55	9.07	2.62	9.42	2.67
	25.0	7.45	2.52	7.80	2.57	8.15	2.61	8.33	2.64	8.86	2.71	9.21	2.76
	32.0	6.96	2.74	7.31	2.79	7.66	2.84	7.83	2.86	8.36	2.93	8.71	2.98
	35.0	6.74	2.84	7.09	2.89	7.44	2.94	7.62	2.96	8.15	3.03	8.50	3.08
	40.0	6.39	3.03	6.74	3.07	7.09	3.12	7.27	3.14	7.79	3.22	8.14	3.26
	43.0	6.11	2.87	6.42	2.87	6.73	2.87	6.88	2.87	7.33	2.87	7.61	2.87
	46.0	5.49	2.27	5.74	2.27	5.98	2.27	6.10	2.27	6.45	2.27	6.67	2.27
2.5+7.1	22.0	8.03	2.59	8.39	2.64	8.76	2.69	8.95	2.71	9.50	2.79	9.87	2.84
	25.0	7.80	2.68	8.17	2.73	8.54	2.78	8.72	2.81	9.27	2.88	9.64	2.93
	32.0	7.28	2.92	7.65	2.97	8.02	3.02	8.20	3.04	8.75	3.12	9.12	3.17
	35.0	7.06	3.03	7.43	3.08	7.80	3.13	7.98	3.15	8.53	3.23	8.90	3.28
	40.0	6.69	3.22	7.06	3.27	7.42	3.32	7.61	3.35	8.16	3.42	8.53	3.47
	43.0	6.37	2.87	6.68	2.87	6.99	2.87	7.14	2.87	7.59	2.87	7.88	2.87
	46.0	5.71	2.27	5.96	2.27	6.20	2.27	6.32	2.27	6.67	2.27	6.90	2.27
3.5+3.5	22.0	6.00	1.70	7.37	2.34	7.91	2.52	8.07	2.54	8.57	2.61	8.90	2.66
	25.0	6.00	1.85	7.37	2.56	7.70	2.61	7.87	2.63	8.37	2.70	8.70	2.75
	32.0	6.00	2.26	6.90	2.78	7.24	2.83	7.40	2.85	7.90	2.92	8.23	2.97
	35.0	6.00	2.49	6.70	2.88	7.03	2.93	7.20	2.95	7.70	3.02	8.03	3.07
	40.0	6.00	2.98	6.37	3.06	6.70	3.11	6.86	3.13	7.36	3.21	7.69	3.25
	43.0	5.80	2.87	6.10	2.87	6.39	2.87	6.54	2.87	6.97	2.87	7.24	2.87
	46.0	5.26	2.27	5.50	2.27	5.73	2.27	5.85	2.27	6.18	2.27	6.40	2.27
3.5+5.0	22.0	7.33	2.22	8.10	2.53	8.45	2.58	8.63	2.60	9.16	2.68	9.52	2.72
	25.0	7.33	2.43	7.88	2.62	8.24	2.67	8.42	2.69	8.95	2.76	9.30	2.81
	32.0	7.03	2.80	7.38	2.85	7.74	2.89	7.92	2.92	8.45	2.99	8.80	3.04
	35.0	6.81	2.90	7.17	2.95	7.52	3.00	7.70	3.02	8.23	3.10	8.59	3.14
	40.0	6.45	3.09	6.81	3.14	7.16	3.18	7.34	3.21	7.87	3.28	8.23	3.33
	43.0	6.16	2.87	6.48	2.87	6.78	2.87	6.94	2.87	7.38	2.87	7.67	2.87
	46.0	5.54	2.27	5.79	2.27	6.03	2.27	6.15	2.27	6.50	2.27	6.72	2.27
3.5+6.0	22.0	7.98	2.51	8.34	2.56	8.71	2.61	8.89	2.64	9.44	2.71	9.80	2.76
	25.0	7.76	2.61	8.12	2.65	8.49	2.70	8.67	2.73	9.22	2.80	9.58	2.85
	32.0	7.24	2.83	7.60	2.88	7.97	2.93	8.15	2.96	8.70	3.03	9.06	3.08
	35.0	7.02	2.94	7.38	2.99	7.75	3.04	7.93	3.06	8.48	3.14	8.84	3.19
	40.0	6.65	3.13	7.01	3.18	7.38	3.23	7.56	3.25	8.11	3.32	8.47	3.37
	43.0	6.33	2.87	6.65	2.87	6.96	2.87	7.11	2.87	7.56	2.87	7.86	2.87
	46.0	5.67	2.27	5.92	2.27	6.16	2.27	6.28	2.27	6.64	2.27	6.87	2.27
3.5+7.1	22.0	8.28	2.68	8.66	2.73	9.04	2.78	9.23	2.81	9.80	2.89	10.17	2.94
	25.0	8.05	2.78	8.43	2.83	8.81	2.88	9.00	2.91	9.57	2.98	9.94	3.04
	32.0	7.51	3.02	7.89	3.07	8.27	3.12	8.46	3.15	9.03	3.23	9.41	3.28
	35.0	7.28	3.13	7.66	3.19	8.04	3.24	8.23	3.26	8.80	3.34	9.18	3.39
	40.0	6.90	3.33	7.28	3.39	7.66	3.44	7.85	3.46	8.40	3.48	8.75	3.48
	43.0	6.55	2.87	6.87	2.87	7.18	2.87	7.33	2.87	7.78	2.87	8.07	2.87
	46.0	5.86	2.27	6.11	2.27	6.36	2.27	6.48	2.27	6.83	2.27	7.06	2.27
5.0+5.0	22.0	8.13	2.54	8.50	2.59	8.87	2.64	9.06	2.66	9.62	2.74	9.99	2.79
	25.0	7.90	2.63	8.27	2.68	8.65	2.73	8.83	2.75	9.39	2.83	9.76	2.88
	32.0	7.38	2.86	7.75	2.91	8.12	2.96	8.31	2.99	8.86	3.06	9.24	3.11
	35.0	7.15	2.97	7.52	3.02	7.89	3.07	8.08	3.09	8.64	3.17	9.01	3.22
	40.0	6.77	3.16	7.15	3.21	7.52	3.26	7.70	3.28	8.26	3.36	8.63	3.41
	43.0	6.44	2.87	6.76	2.87	7.07	2.87	7.23	2.87	7.68	2.87	7.98	2.87
	46.0	5.75	2.27	6.01	2.27	6.25	2.27	6.37	2.27	6.73	2.27	6.96	2.27

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
5.0+6.0	22.0	8.36	2.59	8.74	2.64	9.12	2.69	9.32	2.71	9.89	2.79	10.27	2.84
	25.0	8.13	2.68	8.51	2.73	8.89	2.78	9.08	2.81	9.66	2.88	10.04	2.93
	32.0	7.59	2.92	7.97	2.97	8.35	3.02	8.54	3.04	9.12	3.12	9.50	3.17
	35.0	7.35	3.03	7.74	3.08	8.12	3.13	8.31	3.15	8.88	3.23	9.27	3.28
	40.0	6.97	3.22	7.35	3.27	7.73	3.32	7.92	3.35	8.50	3.42	8.88	3.47
	43.0	6.60	2.87	6.92	2.87	7.24	2.87	7.40	2.87	7.86	2.87	8.15	2.87
	46.0	5.88	2.27	6.14	2.27	6.38	2.27	6.51	2.27	6.87	2.27	7.10	2.27
5.0+7.1	22.0	8.54	2.82	8.93	2.87	9.32	2.93	9.52	2.96	10.10	3.04	10.50	3.09
	25.0	8.30	2.92	8.69	2.97	9.09	3.03	9.28	3.06	9.87	3.14	10.26	3.19
	32.0	7.75	3.18	8.14	3.23	8.53	3.29	8.73	3.31	9.31	3.40	9.71	3.45
	35.0	7.51	3.30	7.90	3.35	8.29	3.41	8.49	3.43	9.08	3.52	9.47	3.57
	40.0	7.12	3.48	7.51	3.48	7.89	3.48	8.07	3.48	8.62	3.48	8.98	3.48
	43.0	6.75	2.87	7.07	2.87	7.38	2.87	7.53	2.87	7.98	2.87	8.28	2.87
	46.0	6.04	2.27	6.29	2.27	6.53	2.27	6.65	2.27	7.00	2.27	7.24	2.27
6.0+6.0	22.0	8.52	2.78	8.91	2.83	9.30	2.89	9.50	2.91	10.08	2.99	10.47	3.05
	25.0	8.28	2.88	8.67	2.93	9.06	2.99	9.26	3.01	9.84	3.09	10.23	3.15
	32.0	7.73	3.13	8.12	3.19	8.51	3.24	8.71	3.27	9.29	3.35	9.68	3.40
	35.0	7.49	3.25	7.88	3.30	8.27	3.36	8.47	3.38	9.06	3.46	9.45	3.52
	40.0	7.10	3.46	7.49	3.48	7.87	3.48	8.06	3.48	8.61	3.48	8.97	3.48
	43.0	6.73	2.87	7.05	2.87	7.36	2.87	7.51	2.87	7.97	2.87	8.26	2.87
	46.0	6.01	2.27	6.26	2.27	6.51	2.27	6.63	2.27	6.98	2.27	7.21	2.27
6.0+7.1	22.0	8.62	2.87	9.02	2.92	9.41	2.98	9.61	3.01	10.20	3.09	10.59	3.15
	25.0	8.38	2.97	8.78	3.03	9.17	3.08	9.37	3.11	9.96	3.19	10.36	3.25
	32.0	7.82	3.23	8.22	3.29	8.61	3.34	8.81	3.37	9.40	3.46	9.80	3.51
	35.0	7.58	3.35	7.98	3.41	8.37	3.47	8.57	3.49	9.16	3.58	9.56	3.63
	40.0	7.18	3.48	7.58	3.48	7.96	3.48	8.14	3.48	8.69	3.48	9.05	3.48
	43.0	6.82	2.87	7.13	2.87	7.45	2.87	7.60	2.87	8.05	2.87	8.34	2.87
	46.0	6.10	2.27	6.35	2.27	6.59	2.27	6.71	2.27	7.06	2.27	7.29	2.27
2.5+2.5+2.5	22.0	7.65	2.19	8.01	2.24	8.36	2.28	8.53	2.30	9.06	2.37	9.41	2.41
	25.0	7.44	2.27	7.79	2.32	8.14	2.36	8.32	2.38	8.84	2.44	9.20	2.49
	32.0	6.95	2.47	7.30	2.52	7.65	2.56	7.82	2.58	8.35	2.64	8.70	2.69
	35.0	6.73	2.57	7.08	2.61	7.43	2.65	7.61	2.67	8.14	2.74	8.49	2.78
	40.0	6.38	2.73	6.73	2.77	7.08	2.82	7.26	2.84	7.78	2.90	8.13	2.94
	43.0	6.17	2.83	6.52	2.87	6.84	2.87	7.00	2.87	7.46	2.87	7.77	2.87
	46.0	5.50	2.27	5.76	2.27	6.02	2.27	6.14	2.27	6.51	2.27	6.74	2.27
2.5+2.5+3.5	22.0	7.82	2.31	8.17	2.35	8.53	2.40	8.71	2.42	9.25	2.49	9.61	2.53
	25.0	7.60	2.39	7.96	2.44	8.31	2.48	8.49	2.50	9.03	2.57	9.39	2.62
	32.0	7.09	2.60	7.45	2.65	7.81	2.69	7.99	2.72	8.52	2.78	8.88	2.83
	35.0	6.88	2.70	7.23	2.75	7.59	2.79	7.77	2.81	8.31	2.88	8.66	2.93
	40.0	6.51	2.87	6.87	2.92	7.23	2.96	7.41	2.99	7.95	3.05	8.30	3.10
	43.0	6.25	2.87	6.58	2.87	6.90	2.87	7.06	2.87	7.52	2.87	7.82	2.87
	46.0	5.58	2.27	5.83	2.27	6.08	2.27	6.21	2.27	6.57	2.27	6.80	2.27
2.5+2.5+5.0	22.0	8.23	2.36	8.61	2.40	8.98	2.45	9.17	2.47	9.74	2.54	10.11	2.59
	25.0	8.00	2.44	8.38	2.49	8.75	2.54	8.94	2.56	9.51	2.63	9.88	2.67
	32.0	7.47	2.66	7.84	2.70	8.22	2.75	8.41	2.77	8.97	2.84	9.35	2.89
	35.0	7.24	2.76	7.61	2.80	7.99	2.85	8.18	2.87	8.75	2.94	9.12	2.99
	40.0	6.86	2.93	7.23	2.98	7.61	3.03	7.80	3.05	8.36	3.12	8.74	3.16
	43.0	6.55	2.87	6.89	2.87	7.22	2.87	7.38	2.87	7.85	2.87	8.16	2.87
	46.0	5.80	2.27	6.07	2.27	6.32	2.27	6.45	2.27	6.82	2.27	7.06	2.27
2.5+2.5+6.0	22.0	8.37	2.42	8.75	2.47	9.14	2.52	9.33	2.54	9.90	2.61	10.29	2.66
	25.0	8.14	2.51	8.52	2.56	8.90	2.61	9.09	2.63	9.67	2.70	10.05	2.75
	32.0	7.59	2.73	7.98	2.78	8.36	2.83	8.55	2.85	9.13	2.92	9.51	2.97
	35.0	7.36	2.84	7.75	2.88	8.13	2.93	8.32	2.95	8.89	3.02	9.28	3.07
	40.0	6.97	3.02	7.36	3.06	7.74	3.11	7.93	3.13	8.51	3.21	8.89	3.25
	43.0	6.63	2.87	6.97	2.87	7.30	2.87	7.46	2.87	7.93	2.87	8.24	2.87
	46.0	5.88	2.27	6.14	2.27	6.40	2.27	6.52	2.27	6.89	2.27	7.14	2.27
2.5+2.5+7.1	22.0	8.57	2.56	8.96	2.61	9.36	2.66	9.55	2.68	10.14	2.75	10.53	2.80
	25.0	8.33	2.65	8.72	2.70	9.12	2.75	9.31	2.77	9.90	2.85	10.29	2.90
	32.0	7.78	2.88	8.17	2.93	8.56	2.98	8.76	3.01	9.35	3.08	9.74	3.13
	35.0	7.54	2.99	7.93	3.04	8.32	3.09	8.52	3.11	9.11	3.19	9.50	3.24
	40.0	7.14	3.18	7.53	3.23	7.93	3.28	8.12	3.30	8.71	3.38	9.10	3.43
	43.0	6.75	2.87	7.08	2.87	7.40	2.87	7.56	2.87	8.04	2.87	8.34	2.87
	46.0	5.99	2.27	6.25	2.27	6.50	2.27	6.63	2.27	7.00	2.27	7.24	2.27

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+3.5	22.0	8.04	2.45	8.41	2.50	8.77	2.54	8.96	2.57	9.51	2.64	9.88	2.69
	25.0	7.81	2.54	8.18	2.58	8.55	2.63	8.73	2.66	9.29	2.73	9.65	2.78
	32.0	7.29	2.76	7.66	2.81	8.03	2.86	8.21	2.88	8.77	2.95	9.13	3.00
	35.0	7.07	2.86	7.44	2.91	7.81	2.96	7.99	2.98	8.54	3.05	8.91	3.10
	40.0	6.70	3.05	7.07	3.09	7.43	3.14	7.62	3.17	8.17	3.24	8.54	3.29
	43.0	6.38	2.87	6.70	2.87	7.02	2.87	7.18	2.87	7.64	2.87	7.93	2.87
	46.0	5.70	2.27	5.95	2.27	6.20	2.27	6.32	2.27	6.68	2.27	6.91	2.27
2.5+3.5+5.0	22.0	8.37	2.46	8.75	2.51	9.14	2.55	9.33	2.58	9.90	2.65	10.29	2.70
	25.0	8.14	2.55	8.52	2.59	8.90	2.64	9.09	2.67	9.67	2.74	10.05	2.78
	32.0	7.59	2.77	7.98	2.82	8.36	2.87	8.55	2.89	9.13	2.96	9.51	3.01
	35.0	7.36	2.87	7.75	2.92	8.13	2.97	8.32	2.99	8.89	3.06	9.28	3.11
	40.0	6.97	3.06	7.36	3.11	7.74	3.15	7.93	3.18	8.51	3.25	8.89	3.30
	43.0	6.62	2.87	6.95	2.87	7.28	2.87	7.44	2.87	7.91	2.87	8.22	2.87
	46.0	5.87	2.27	6.14	2.27	6.39	2.27	6.52	2.27	6.89	2.27	7.13	2.27
2.5+3.5+6.0	22.0	8.55	2.51	8.94	2.56	9.33	2.60	9.53	2.63	10.12	2.70	10.51	2.75
	25.0	8.31	2.60	8.70	2.65	9.10	2.69	9.29	2.72	9.88	2.79	10.27	2.84
	32.0	7.76	2.83	8.15	2.87	8.54	2.92	8.74	2.95	9.32	3.02	9.72	3.07
	35.0	7.52	2.93	7.91	2.98	8.30	3.03	8.50	3.05	9.09	3.13	9.48	3.18
	40.0	7.13	3.12	7.52	3.17	7.91	3.22	8.10	3.24	8.69	3.31	9.08	3.36
	43.0	6.74	2.87	7.08	2.87	7.40	2.87	7.57	2.87	8.04	2.87	8.35	2.87
	46.0	5.97	2.27	6.23	2.27	6.49	2.27	6.62	2.27	6.99	2.27	7.23	2.27
2.5+3.5+7.1	22.0	8.75	2.68	9.15	2.73	9.55	2.78	9.75	2.81	10.35	2.89	10.76	2.94
	25.0	8.51	2.78	8.91	2.83	9.31	2.88	9.51	2.91	10.11	2.98	10.51	3.04
	32.0	7.94	3.02	8.34	3.07	8.74	3.12	8.94	3.15	9.54	3.23	9.95	3.28
	35.0	7.70	3.13	8.10	3.19	8.50	3.24	8.70	3.26	9.30	3.34	9.70	3.39
	40.0	7.29	3.33	7.69	3.39	8.09	3.44	8.29	3.46	8.87	3.48	9.24	3.48
	43.0	6.86	2.87	7.20	2.87	7.52	2.87	7.68	2.87	8.15	2.87	8.45	2.87
	46.0	6.10	2.27	6.35	2.27	6.61	2.27	6.73	2.27	7.10	2.27	7.34	2.27
2.5+5.0+5.0	22.0	8.65	2.44	9.05	2.49	9.44	2.54	9.64	2.56	10.24	2.63	10.63	2.68
	25.0	8.41	2.53	8.81	2.58	9.20	2.62	9.40	2.65	10.00	2.72	10.39	2.77
	32.0	7.85	2.75	8.25	2.80	8.64	2.85	8.84	2.87	9.43	2.94	9.83	2.99
	35.0	7.61	2.85	8.01	2.90	8.40	2.95	8.60	2.97	9.19	3.04	9.59	3.09
	40.0	7.21	3.04	7.61	3.08	8.00	3.13	8.20	3.16	8.79	3.23	9.19	3.27
	43.0	6.83	2.87	7.18	2.87	7.51	2.87	7.68	2.87	8.16	2.87	8.48	2.87
	46.0	6.03	2.27	6.30	2.27	6.56	2.27	6.69	2.27	7.07	2.27	7.31	2.27
2.5+5.0+6.0	22.0	8.80	2.53	9.20	2.58	9.61	2.63	9.81	2.65	10.41	2.73	10.82	2.78
	25.0	8.56	2.62	8.96	2.67	9.36	2.72	9.56	2.75	10.17	2.82	10.57	2.87
	32.0	7.99	2.85	8.39	2.90	8.79	2.95	8.99	2.98	9.60	3.05	10.00	3.10
	35.0	7.74	2.96	8.15	3.01	8.55	3.06	8.75	3.08	9.35	3.16	9.76	3.21
	40.0	7.33	3.15	7.74	3.20	8.14	3.25	8.34	3.27	8.95	3.35	9.35	3.40
	43.0	6.91	2.87	7.25	2.87	7.59	2.87	7.75	2.87	8.23	2.87	8.55	2.87
	46.0	6.10	2.27	6.37	2.27	6.63	2.27	6.76	2.27	7.14	2.27	7.38	2.27
3.5+3.5+3.5	22.0	8.30	2.56	8.68	2.61	9.06	2.66	9.25	2.68	9.82	2.75	10.20	2.80
	25.0	8.07	2.65	8.45	2.70	8.83	2.75	9.02	2.77	9.59	2.85	9.97	2.90
	32.0	7.53	2.88	7.91	2.93	8.29	2.98	8.48	3.01	9.05	3.08	9.43	3.13
	35.0	7.30	2.99	7.68	3.04	8.06	3.09	8.25	3.11	8.82	3.19	9.20	3.24
	40.0	6.92	3.18	7.30	3.23	7.68	3.28	7.87	3.30	8.44	3.38	8.82	3.43
	43.0	6.56	2.87	6.88	2.87	7.20	2.87	7.36	2.87	7.82	2.87	8.11	2.87
	46.0	5.85	2.27	6.10	2.27	6.35	2.27	6.47	2.27	6.83	2.27	7.07	2.27
3.5+3.5+5.0	22.0	8.56	2.58	8.95	2.63	9.34	2.68	9.54	2.71	10.13	2.78	10.52	2.83
	25.0	8.32	2.67	8.71	2.72	9.11	2.77	9.30	2.80	9.89	2.87	10.28	2.92
	32.0	7.77	2.91	8.16	2.96	8.55	3.01	8.75	3.03	9.34	3.11	9.73	3.16
	35.0	7.53	3.02	7.92	3.07	8.31	3.12	8.51	3.14	9.10	3.22	9.49	3.27
	40.0	7.13	3.21	7.53	3.26	7.92	3.31	8.11	3.34	8.70	3.41	9.09	3.46
	43.0	6.74	2.87	7.07	2.87	7.39	2.87	7.55	2.87	8.02	2.87	8.32	2.87
	46.0	5.98	2.27	6.24	2.27	6.50	2.27	6.62	2.27	6.99	2.27	7.23	2.27
3.5+3.5+6.0	22.0	8.70	2.68	9.10	2.73	9.50	2.78	9.70	2.81	10.29	2.89	10.69	2.94
	25.0	8.46	2.78	8.86	2.83	9.26	2.88	9.46	2.91	10.05	2.98	10.45	3.04
	32.0	7.90	3.02	8.29	3.07	8.69	3.12	8.89	3.15	9.49	3.23	9.89	3.28
	35.0	7.65	3.13	8.05	3.19	8.45	3.24	8.65	3.26	9.25	3.34	9.65	3.39
	40.0	7.25	3.33	7.65	3.39	8.05	3.44	8.25	3.46	8.82	3.48	9.19	3.48
	43.0	6.83	2.87	7.16	2.87	7.48	2.87	7.64	2.87	8.11	2.87	8.41	2.87
	46.0	6.07	2.27	6.33	2.27	6.58	2.27	6.71	2.27	7.07	2.27	7.31	2.27

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+5.0+5.0	22.0	8.80	2.49	9.20	2.54	9.61	2.59	9.81	2.61	10.41	2.68	10.82	2.73
	25.0	8.56	2.58	8.96	2.63	9.36	2.68	9.56	2.70	10.17	2.77	10.57	2.82
	32.0	7.99	2.81	8.39	2.86	8.79	2.90	8.99	2.93	9.60	3.00	10.00	3.05
	35.0	7.74	2.91	8.15	2.96	8.55	3.01	8.75	3.03	9.35	3.11	9.76	3.15
	40.0	7.33	3.10	7.74	3.15	8.14	3.20	8.34	3.22	8.95	3.29	9.35	3.34
	43.0	6.92	2.87	7.27	2.87	7.61	2.87	7.77	2.87	8.26	2.87	8.57	2.87
	46.0	6.10	2.27	6.37	2.27	6.64	2.27	6.77	2.27	7.15	2.27	7.39	2.27
2.5+2.5+2.5+2.5	22.0	8.39	2.41	8.77	2.45	9.16	2.50	9.35	2.53	9.93	2.60	10.31	2.64
	25.0	8.16	2.49	8.54	2.54	8.92	2.59	9.12	2.61	9.69	2.68	10.08	2.73
	32.0	7.61	2.71	8.00	2.76	8.38	2.81	8.57	2.83	9.15	2.90	9.53	2.95
	35.0	7.38	2.82	7.76	2.86	8.15	2.91	8.34	2.93	8.92	3.00	9.30	3.05
	40.0	6.99	3.00	7.38	3.04	7.76	3.09	7.95	3.11	8.53	3.18	8.91	3.23
	43.0	6.65	2.87	6.99	2.87	7.32	2.87	7.48	2.87	7.96	2.87	8.27	2.87
	46.0	5.89	2.27	6.15	2.27	6.41	2.27	6.54	2.27	6.91	2.27	7.15	2.27
2.5+2.5+2.5+3.5	22.0	8.55	2.53	8.94	2.58	9.33	2.63	9.53	2.65	10.12	2.73	10.51	2.78
	25.0	8.31	2.62	8.70	2.67	9.10	2.72	9.29	2.75	9.88	2.82	10.27	2.87
	32.0	7.76	2.85	8.15	2.90	8.54	2.95	8.74	2.98	9.32	3.05	9.72	3.10
	35.0	7.52	2.96	7.91	3.01	8.30	3.06	8.50	3.08	9.09	3.16	9.48	3.21
	40.0	7.13	3.15	7.52	3.20	7.91	3.25	8.10	3.27	8.69	3.35	9.08	3.40
	43.0	6.74	2.87	7.07	2.87	7.40	2.87	7.56	2.87	8.03	2.87	8.34	2.87
	46.0	5.97	2.27	6.23	2.27	6.49	2.27	6.62	2.27	6.99	2.27	7.23	2.27
2.5+2.5+2.5+5.0	22.0	8.74	2.56	9.14	2.61	9.54	2.66	9.74	2.68	10.34	2.75	10.74	2.80
	25.0	8.50	2.65	8.90	2.70	9.30	2.75	9.50	2.77	10.10	2.85	10.50	2.90
	32.0	7.93	2.88	8.33	2.93	8.73	2.98	8.93	3.01	9.53	3.08	9.93	3.13
	35.0	7.69	2.99	8.09	3.04	8.49	3.09	8.69	3.11	9.29	3.19	9.69	3.24
	40.0	7.28	3.18	7.68	3.23	8.09	3.28	8.29	3.30	8.89	3.38	9.29	3.43
	43.0	6.87	2.87	7.20	2.87	7.53	2.87	7.70	2.87	8.17	2.87	8.48	2.87
	46.0	6.07	2.27	6.34	2.27	6.60	2.27	6.72	2.27	7.10	2.27	7.34	2.27
2.5+2.5+2.5+6.0	22.0	8.85	2.65	9.26	2.70	9.66	2.75	9.87	2.78	10.47	2.85	10.88	2.90
	25.0	8.61	2.74	9.01	2.79	9.42	2.84	9.62	2.87	10.23	2.95	10.63	3.00
	32.0	8.03	2.98	8.44	3.03	8.84	3.09	9.05	3.11	9.65	3.19	10.06	3.24
	35.0	7.79	3.09	8.19	3.15	8.60	3.20	8.80	3.22	9.41	3.30	9.81	3.35
	40.0	7.38	3.29	7.78	3.34	8.19	3.40	8.39	3.42	8.99	3.48	9.36	3.48
	43.0	6.93	2.87	7.27	2.87	7.60	2.87	7.76	2.87	8.23	2.87	8.54	2.87
	46.0	6.14	2.27	6.40	2.27	6.66	2.27	6.78	2.27	7.16	2.27	7.40	2.27
2.5+2.5+3.5+3.5	22.0	8.67	2.61	9.07	2.66	9.47	2.72	9.66	2.74	10.26	2.82	10.66	2.87
	25.0	8.43	2.71	8.83	2.76	9.22	2.81	9.42	2.83	10.02	2.91	10.42	2.96
	32.0	7.87	2.95	8.27	3.00	8.66	3.05	8.86	3.07	9.46	3.15	9.85	3.20
	35.0	7.63	3.06	8.02	3.11	8.42	3.16	8.62	3.18	9.22	3.26	9.61	3.31
	40.0	7.23	3.25	7.62	3.30	8.02	3.35	8.22	3.38	8.81	3.45	9.20	3.48
	43.0	6.81	2.87	7.14	2.87	7.47	2.87	7.63	2.87	8.10	2.87	8.40	2.87
	46.0	6.04	2.27	6.30	2.27	6.56	2.27	6.68	2.27	7.05	2.27	7.29	2.27
2.5+2.5+3.5+5.0	22.0	8.85	2.65	9.26	2.70	9.66	2.75	9.87	2.78	10.47	2.85	10.88	2.90
	25.0	8.61	2.74	9.01	2.79	9.42	2.84	9.62	2.87	10.23	2.95	10.63	3.00
	32.0	8.03	2.98	8.44	3.03	8.84	3.09	9.05	3.11	9.65	3.19	10.06	3.24
	35.0	7.79	3.09	8.19	3.15	8.60	3.20	8.80	3.22	9.41	3.30	9.81	3.35
	40.0	7.38	3.29	7.78	3.34	8.19	3.40	8.39	3.42	8.99	3.48	9.36	3.48
	43.0	6.93	2.87	7.27	2.87	7.60	2.87	7.76	2.87	8.23	2.87	8.54	2.87
	46.0	6.14	2.27	6.40	2.27	6.66	2.27	6.78	2.27	7.16	2.27	7.40	2.27
2.5+3.5+3.5+3.5	22.0	8.80	2.70	9.20	2.76	9.61	2.81	9.81	2.84	10.41	2.91	10.82	2.97
	25.0	8.56	2.80	8.96	2.85	9.36	2.91	9.56	2.93	10.17	3.01	10.57	3.06
	32.0	7.99	3.05	8.39	3.10	8.79	3.15	8.99	3.18	9.60	3.26	10.00	3.31
	35.0	7.74	3.16	8.15	3.21	8.55	3.27	8.75	3.29	9.35	3.37	9.76	3.43
	40.0	7.33	3.36	7.74	3.42	8.14	3.47	8.34	3.48	8.91	3.48	9.28	3.48
	43.0	6.90	2.87	7.23	2.87	7.55	2.87	7.71	2.87	8.18	2.87	8.49	2.87
	46.0	6.13	2.27	6.38	2.27	6.64	2.27	6.76	2.27	7.13	2.27	7.37	2.27

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 5.0m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5, 3.5 kW class; wall mounted D series
5.0, 6.0, 7.1kW class; wall mounted F series

3D050166#1
3D050166#2
3D050166#3
3D050166#4

7.1.5 4MKD100DVM

[Cooling Capacity 50/60Hz 220V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	3.29	0.75	3.79	0.88	3.95	0.90	4.04	0.90	4.28	0.93	4.45	0.95
	25.0	3.29	0.81	3.69	0.91	3.85	0.93	3.94	0.94	4.18	0.96	4.35	0.98
	32.0	3.29	0.97	3.45	0.99	3.62	1.01	3.70	1.01	3.95	1.04	4.12	1.06
	35.0	3.19	1.01	3.35	1.03	3.52	1.04	3.60	1.05	3.85	1.08	4.01	1.09
	40.0	3.02	1.07	3.18	1.09	3.35	1.11	3.43	1.12	3.68	1.14	3.85	1.16
	43.0	2.92	1.11	3.08	1.13	3.25	1.15	3.33	1.16	3.58	1.18	3.75	1.20
	46.0	2.82	1.16	2.98	1.17	3.15	1.19	3.23	1.20	3.48	1.22	3.65	1.24
3.5	22.0	3.33	0.79	4.09	1.01	4.91	1.29	5.04	1.32	5.36	1.36	5.56	1.38
	25.0	3.33	0.84	4.09	1.09	4.82	1.35	4.92	1.36	5.23	1.40	5.44	1.42
	32.0	3.33	1.01	4.09	1.31	4.52	1.47	4.63	1.48	4.94	1.52	5.14	1.54
	35.0	3.33	1.09	4.09	1.43	4.40	1.52	4.50	1.53	4.81	1.57	5.02	1.59
	40.0	3.33	1.26	3.98	1.59	4.19	1.61	4.29	1.63	4.60	1.66	4.81	1.69
	43.0	3.33	1.38	3.85	1.65	4.06	1.67	4.16	1.69	4.48	1.72	4.68	1.75
	46.0	3.33	1.52	3.73	1.71	3.94	1.73	4.04	1.75	4.35	1.78	4.56	1.81
5.0	22.0	5.97	1.87	6.52	2.09	6.81	2.13	6.95	2.15	7.38	2.21	7.66	2.25
	25.0	5.97	2.05	6.35	2.16	6.63	2.20	6.78	2.22	7.21	2.28	7.49	2.32
	32.0	5.66	2.31	5.94	2.35	6.23	2.39	6.37	2.41	6.80	2.47	7.09	2.51
	35.0	5.49	2.39	5.77	2.43	6.06	2.47	6.20	2.49	6.63	2.55	6.91	2.59
	40.0	5.20	2.55	5.48	2.59	5.77	2.63	5.91	2.65	6.34	2.71	6.63	2.75
	43.0	5.02	2.64	5.31	2.68	5.60	2.72	5.74	2.74	6.17	2.80	6.45	2.84
	46.0	4.85	2.74	5.14	2.78	5.42	2.82	5.56	2.84	5.99	2.90	6.28	2.94
6.0	22.0	6.56	1.80	7.05	1.94	7.36	1.97	7.51	1.99	7.97	2.05	8.28	2.08
	25.0	6.55	1.97	6.86	2.00	7.17	2.04	7.32	2.06	7.79	2.11	8.10	2.15
	32.0	6.12	2.14	6.42	2.18	6.73	2.21	6.89	2.23	7.35	2.29	7.66	2.32
	35.0	5.93	2.22	6.24	2.26	6.55	2.29	6.70	2.31	7.16	2.37	7.47	2.40
	40.0	5.62	2.36	5.93	2.40	6.23	2.44	6.39	2.45	6.85	2.51	7.16	2.55
	43.0	5.43	2.45	5.74	2.49	6.05	2.53	6.20	2.54	6.66	2.60	6.97	2.64
	46.0	5.24	2.55	5.55	2.58	5.86	2.62	6.01	2.64	6.48	2.69	6.79	2.73
7.1	22.0	6.57	1.85	7.57	2.31	7.91	2.36	8.07	2.38	8.57	2.44	8.90	2.49
	25.0	6.57	2.03	7.37	2.39	7.70	2.44	7.87	2.46	8.37	2.53	8.70	2.57
	32.0	6.57	2.56	6.90	2.60	7.24	2.64	7.40	2.67	7.90	2.73	8.23	2.78
	35.0	6.37	2.65	6.70	2.70	7.03	2.74	7.20	2.76	7.70	2.83	8.03	2.87
	40.0	6.04	2.82	6.37	2.87	6.70	2.91	6.86	2.93	7.36	3.00	7.69	3.04
	43.0	5.83	2.93	6.17	2.97	6.50	3.02	6.66	3.04	7.16	3.11	7.49	3.15
	46.0	5.63	3.04	5.96	3.09	6.30	3.13	6.46	3.15	6.96	3.22	7.29	3.26
2.5+2.5	22.0	6.59	1.97	7.05	2.10	7.36	2.14	7.51	2.16	7.97	2.22	8.28	2.26
	25.0	6.55	2.14	6.86	2.18	7.17	2.22	7.32	2.24	7.79	2.30	8.10	2.34
	32.0	6.12	2.33	6.42	2.37	6.73	2.41	6.89	2.43	7.35	2.49	7.66	2.53
	35.0	5.93	2.41	6.24	2.45	6.55	2.49	6.70	2.51	7.16	2.57	7.47	2.61
	40.0	5.62	2.57	5.93	2.61	6.23	2.65	6.39	2.67	6.85	2.73	7.16	2.77
	43.0	5.43	2.66	5.74	2.70	6.05	2.74	6.20	2.76	6.66	2.82	6.97	2.86
	46.0	5.24	2.77	5.55	2.81	5.86	2.85	6.01	2.87	6.48	2.93	6.79	2.97
2.5+3.5	22.0	6.62	2.03	7.36	2.36	7.69	2.41	7.85	2.43	8.33	2.50	8.65	2.54
	25.0	6.62	2.23	7.17	2.45	7.49	2.49	7.65	2.51	8.14	2.58	8.46	2.63
	32.0	6.39	2.61	6.71	2.66	7.03	2.70	7.20	2.72	7.68	2.79	8.00	2.84
	35.0	6.19	2.71	6.52	2.76	6.84	2.80	7.00	2.82	7.48	2.89	7.81	2.94
	40.0	5.87	2.88	6.19	2.93	6.51	2.97	6.67	3.00	7.16	3.06	7.48	3.11
	43.0	5.67	2.99	5.99	3.04	6.32	3.08	6.48	3.11	6.96	3.17	7.28	3.22
	46.0	5.48	3.11	5.80	3.15	6.12	3.20	6.28	3.22	6.77	3.29	7.08	3.31
2.5+5.0	22.0	8.25	2.84	8.63	2.90	9.00	2.95	9.19	2.98	9.76	3.06	10.14	3.12
	25.0	8.02	2.95	8.40	3.00	8.77	3.06	8.96	3.08	9.53	3.17	9.91	3.22
	32.0	7.48	3.21	7.86	3.26	8.24	3.32	8.43	3.34	9.00	3.43	9.37	3.48
	35.0	7.26	3.33	7.63	3.38	8.01	3.44	8.20	3.46	8.77	3.55	9.14	3.60
	40.0	6.87	3.54	7.25	3.59	7.63	3.65	7.82	3.68	8.38	3.76	8.76	3.81
	43.0	6.64	3.67	7.02	3.73	7.40	3.76	7.59	3.76	8.15	3.76	8.51	3.76
	46.0	6.42	3.31	6.79	3.31	7.15	3.31	7.31	3.31	7.80	3.31	8.12	3.31
2.5+6.0	22.0	8.65	2.52	9.05	2.57	9.44	2.62	9.64	2.65	10.24	2.72	10.63	2.77
	25.0	8.41	2.61	8.81	2.66	9.20	2.71	9.40	2.74	10.00	2.81	10.39	2.86
	32.0	7.85	2.84	8.25	2.89	8.64	2.94	8.84	2.97	9.43	3.04	9.83	3.09
	35.0	7.61	2.95	8.01	3.00	8.40	3.05	8.60	3.07	9.19	3.15	9.59	3.20
	40.0	7.21	3.14	7.61	3.19	8.00	3.24	8.20	3.26	8.79	3.34	9.19	3.38
	43.0	6.97	3.26	7.36	3.31	7.76	3.36	7.96	3.38	8.55	3.45	8.95	3.50
	46.0	6.71	3.31	7.09	3.31	7.46	3.31	7.64	3.31	8.17	3.31	8.52	3.31

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+7.1	22.0	8.85	2.69	9.26	2.74	9.66	2.79	9.87	2.82	10.47	2.90	10.88	2.95
	25.0	8.61	2.78	9.01	2.84	9.42	2.89	9.62	2.91	10.23	2.99	10.63	3.05
	32.0	8.03	3.03	8.44	3.08	8.84	3.13	9.05	3.16	9.65	3.24	10.06	3.29
	35.0	7.79	3.14	8.19	3.19	8.60	3.25	8.80	3.27	9.41	3.35	9.81	3.40
	40.0	7.38	3.34	7.78	3.40	8.19	3.45	8.39	3.47	9.00	3.55	9.40	3.61
	43.0	7.13	3.47	7.54	3.52	7.94	3.58	8.14	3.60	8.75	3.68	9.16	3.73
	46.0	6.85	3.31	7.22	3.31	7.58	3.31	7.76	3.31	8.29	3.31	8.63	3.31
3.5+3.5	22.0	6.66	2.18	8.10	3.18	8.45	3.24	8.63	3.27	9.16	3.36	9.52	3.42
	25.0	6.66	2.38	7.88	3.29	8.24	3.35	8.42	3.38	8.95	3.47	9.30	3.53
	32.0	6.66	3.03	7.38	3.57	7.74	3.63	7.92	3.66	8.45	3.75	8.80	3.81
	35.0	6.66	3.41	7.17	3.70	7.52	3.76	7.70	3.79	8.23	3.88	8.59	3.95
	40.0	6.45	3.88	6.81	3.94	7.16	4.00	7.34	4.03	7.87	4.12	8.23	4.18
	43.0	6.24	3.76	6.59	3.76	6.95	3.76	7.13	3.76	7.66	3.76	8.01	3.76
	46.0	6.02	3.31	6.38	3.31	6.73	3.31	6.91	3.31	7.44	3.31	7.80	3.31
3.5+5.0	22.0	8.55	3.21	8.94	3.27	9.33	3.33	9.53	3.36	10.12	3.45	10.51	3.52
	25.0	8.31	3.32	8.70	3.38	9.10	3.45	9.29	3.48	9.88	3.57	10.27	3.63
	32.0	7.76	3.61	8.15	3.68	8.54	3.74	8.74	3.77	9.32	3.86	9.72	3.92
	35.0	7.52	3.75	7.91	3.81	8.30	3.87	8.50	3.90	9.09	4.00	9.48	4.06
	40.0	7.13	3.99	7.52	4.05	7.91	4.11	8.10	4.14	8.69	4.20	9.08	4.20
	43.0	6.89	3.76	7.28	3.76	7.67	3.76	7.87	3.76	8.45	3.76	8.85	3.76
	46.0	6.65	3.31	7.04	3.31	7.43	3.31	7.63	3.31	8.19	3.31	8.50	3.31
3.5+6.0	22.0	8.75	2.61	9.15	2.66	9.55	2.71	9.75	2.73	10.35	2.81	10.76	2.86
	25.0	8.51	2.70	8.91	2.75	9.31	2.80	9.51	2.83	10.11	2.90	10.51	2.95
	32.0	7.94	2.94	8.34	2.99	8.74	3.04	8.94	3.06	9.54	3.14	9.95	3.19
	35.0	7.70	3.05	8.10	3.10	8.50	3.15	8.70	3.17	9.30	3.25	9.70	3.30
	40.0	7.29	3.24	7.69	3.29	8.09	3.34	8.29	3.37	8.90	3.44	9.30	3.49
	43.0	7.05	3.36	7.45	3.42	7.85	3.47	8.05	3.49	8.65	3.57	9.05	3.62
	46.0	6.78	3.31	7.15	3.31	7.52	3.31	7.70	3.31	8.22	3.31	8.57	3.31
3.5+7.1	22.0	9.30	3.13	9.73	3.19	10.16	3.25	10.37	3.28	11.01	3.37	11.44	3.44
	25.0	9.05	3.24	9.47	3.30	9.90	3.37	10.11	3.40	10.75	3.49	11.18	3.55
	32.0	8.44	3.53	8.87	3.59	9.30	3.65	9.51	3.68	10.15	3.77	10.57	3.83
	35.0	8.18	3.66	8.61	3.72	9.04	3.78	9.25	3.81	9.89	3.91	10.32	3.97
	40.0	7.75	3.90	8.18	3.96	8.61	4.02	8.82	4.05	9.46	4.14	9.88	4.20
	43.0	7.50	3.76	7.92	3.76	8.35	3.76	8.55	3.76	9.14	3.76	9.52	3.76
	46.0	7.24	3.31	7.65	3.31	8.00	3.31	8.18	3.31	8.69	3.31	9.02	3.31
5.0+5.0	22.0	9.05	2.99	9.47	3.05	9.88	3.11	10.09	3.14	10.71	3.22	11.13	3.28
	25.0	8.80	3.10	9.22	3.16	9.63	3.22	9.84	3.24	10.46	3.33	10.87	3.39
	32.0	8.21	3.37	8.63	3.43	9.04	3.49	9.25	3.52	9.87	3.60	10.29	3.66
	35.0	7.96	3.50	8.38	3.56	8.79	3.61	9.00	3.64	9.62	3.73	10.04	3.79
	40.0	7.54	3.72	7.96	3.78	8.37	3.84	8.58	3.87	9.20	3.95	9.62	4.01
	43.0	7.29	3.76	7.71	3.76	8.12	3.76	8.32	3.76	8.90	3.76	9.28	3.76
	46.0	7.04	3.31	7.42	3.31	7.77	3.31	7.95	3.31	8.46	3.31	8.79	3.31
5.0+6.0	22.0	9.56	2.83	9.99	2.88	10.43	2.94	10.65	2.96	11.31	3.05	11.74	3.10
	25.0	9.29	2.93	9.73	2.98	10.17	3.04	10.38	3.07	11.04	3.15	11.48	3.20
	32.0	8.67	3.19	9.11	3.24	9.55	3.30	9.77	3.32	10.42	3.41	10.86	3.46
	35.0	8.41	3.31	8.84	3.36	9.28	3.42	9.50	3.44	10.16	3.53	10.59	3.58
	40.0	7.96	3.52	8.40	3.57	8.84	3.63	9.06	3.65	9.71	3.74	10.15	3.79
	43.0	7.70	3.65	8.14	3.71	8.57	3.76	8.78	3.76	9.40	3.76	9.80	3.76
	46.0	7.35	3.31	7.73	3.31	8.11	3.31	8.29	3.31	8.83	3.31	9.19	3.31
5.0+7.1	22.0	9.66	2.91	10.10	2.97	10.54	3.02	10.76	3.05	11.43	3.14	11.87	3.19
	25.0	9.39	3.01	9.83	3.07	10.27	3.13	10.49	3.16	11.16	3.24	11.60	3.30
	32.0	8.76	3.28	9.20	3.34	9.65	3.39	9.87	3.42	10.53	3.51	10.97	3.56
	35.0	8.49	3.40	8.94	3.46	9.38	3.52	9.60	3.54	10.26	3.63	10.71	3.69
	40.0	8.05	3.62	8.49	3.68	8.93	3.73	9.15	3.76	9.82	3.85	10.26	3.90
	43.0	7.78	3.76	8.21	3.76	8.64	3.76	8.85	3.76	9.47	3.76	9.87	3.76
	46.0	7.43	3.31	7.81	3.31	8.18	3.31	8.37	3.31	8.90	3.31	9.26	3.31
6.0+6.0	22.0	9.76	2.62	10.20	2.67	10.65	2.72	10.87	2.75	11.54	2.83	11.99	2.88
	25.0	9.49	2.72	9.93	2.77	10.38	2.82	10.60	2.84	11.27	2.92	11.72	2.97
	32.0	8.85	2.95	9.30	3.01	9.75	3.06	9.97	3.08	10.64	3.16	11.09	3.21
	35.0	8.58	3.07	9.03	3.12	9.48	3.17	9.70	3.19	10.37	3.27	10.82	3.32
	40.0	8.13	3.26	8.58	3.31	9.02	3.36	9.25	3.39	9.92	3.47	10.37	3.52
	43.0	7.86	3.39	8.31	3.44	8.75	3.49	8.98	3.51	9.65	3.59	10.09	3.64
	46.0	7.51	3.31	7.92	3.31	8.31	3.31	8.51	3.31	9.08	3.31	9.45	3.31

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
6.0+7.1	22.0	9.86	2.70	10.31	2.75	10.76	2.80	10.99	2.83	11.66	2.91	12.12	2.96
	25.0	9.58	2.79	10.04	2.84	10.49	2.90	10.71	2.92	11.39	3.00	11.84	3.05
	32.0	8.95	3.04	9.40	3.09	9.85	3.14	10.07	3.17	10.75	3.25	11.20	3.30
	35.0	8.67	3.15	9.12	3.20	9.57	3.26	9.80	3.28	10.48	3.36	10.93	3.41
	40.0	8.21	3.35	8.67	3.41	9.12	3.46	9.34	3.48	10.02	3.56	10.47	3.62
	43.0	7.94	3.48	8.39	3.53	8.84	3.59	9.07	3.61	9.75	3.69	10.20	3.74
	46.0	7.57	3.31	7.97	3.31	8.36	3.31	8.55	3.31	9.12	3.31	9.49	3.31
7.1+7.1	22.0	9.96	2.77	10.41	2.82	10.87	2.88	11.10	2.90	11.78	2.99	12.24	3.04
	25.0	9.68	2.87	10.14	2.92	10.59	2.98	10.82	3.00	11.51	3.08	11.96	3.14
	32.0	9.04	3.12	9.49	3.18	9.95	3.23	10.18	3.26	10.86	3.34	11.32	3.39
	35.0	8.76	3.24	9.22	3.29	9.67	3.35	9.90	3.37	10.58	3.45	11.04	3.51
	40.0	8.30	3.45	8.75	3.50	9.21	3.55	9.44	3.58	10.12	3.66	10.58	3.72
	43.0	8.02	3.58	8.48	3.63	8.93	3.68	9.16	3.71	9.83	3.76	10.25	3.76
	46.0	7.63	3.31	8.03	3.31	8.42	3.31	8.61	3.31	9.17	3.31	9.54	3.31
2.5+2.5+2.5	22.0	8.45	2.55	8.84	2.60	9.22	2.65	9.42	2.67	10.00	2.75	10.38	2.80
	25.0	8.21	2.64	8.60	2.69	8.99	2.74	9.18	2.76	9.76	2.84	10.15	2.89
	32.0	7.67	2.87	8.05	2.92	8.44	2.97	8.63	3.00	9.22	3.07	9.60	3.12
	35.0	7.43	2.98	7.82	3.03	8.21	3.08	8.40	3.10	8.98	3.18	9.37	3.23
	40.0	7.04	3.17	7.43	3.22	7.82	3.27	8.01	3.29	8.59	3.37	8.98	3.42
	43.0	6.81	3.29	7.19	3.34	7.58	3.39	7.77	3.41	8.35	3.49	8.74	3.54
	46.0	6.56	3.31	6.93	3.31	7.29	3.31	7.46	3.31	7.98	3.31	8.32	3.31
2.5+2.5+3.5	22.0	8.65	2.73	9.05	2.78	9.44	2.83	9.64	2.86	10.24	2.94	10.63	2.99
	25.0	8.41	2.83	8.81	2.88	9.20	2.93	9.40	2.96	10.00	3.04	10.39	3.09
	32.0	7.85	3.08	8.25	3.13	8.64	3.18	8.84	3.21	9.43	3.29	9.83	3.34
	35.0	7.61	3.19	8.01	3.24	8.40	3.30	8.60	3.32	9.19	3.40	9.59	3.46
	40.0	7.21	3.39	7.61	3.45	8.00	3.50	8.20	3.53	8.79	3.61	9.19	3.66
	43.0	6.97	3.52	7.36	3.58	7.76	3.63	7.96	3.66	8.55	3.74	8.94	3.76
	46.0	6.71	3.31	7.07	3.31	7.43	3.31	7.60	3.31	8.11	3.31	8.45	3.31
2.5+2.5+5.0	22.0	9.25	2.74	9.68	2.80	10.10	2.85	10.31	2.88	10.95	2.96	11.37	3.01
	25.0	9.00	2.84	9.42	2.90	9.84	2.95	10.06	2.98	10.69	3.06	11.12	3.11
	32.0	8.40	3.09	8.82	3.15	9.25	3.20	9.46	3.23	10.09	3.31	10.52	3.36
	35.0	8.14	3.21	8.56	3.26	8.99	3.32	9.20	3.34	9.84	3.42	10.26	3.48
	40.0	7.71	3.42	8.14	3.47	8.56	3.52	8.77	3.55	9.41	3.63	9.83	3.68
	43.0	7.45	3.55	7.88	3.60	8.30	3.65	8.51	3.68	9.15	3.76	9.55	3.76
	46.0	7.14	3.31	7.52	3.31	7.89	3.31	8.07	3.31	8.61	3.31	8.95	3.31
2.5+2.5+6.0	22.0	9.76	2.71	10.20	2.76	10.65	2.82	10.87	2.84	11.54	2.92	11.99	2.98
	25.0	9.49	2.81	9.93	2.86	10.38	2.92	10.60	2.94	11.27	3.02	11.72	3.07
	32.0	8.85	3.06	9.30	3.11	9.75	3.16	9.97	3.19	10.64	3.27	11.09	3.32
	35.0	8.58	3.17	9.03	3.22	9.48	3.28	9.70	3.30	10.37	3.38	10.82	3.44
	40.0	8.13	3.37	8.58	3.43	9.02	3.48	9.25	3.51	9.92	3.59	10.37	3.64
	43.0	7.86	3.50	8.31	3.56	8.75	3.61	8.98	3.63	9.65	3.71	10.09	3.76
	46.0	7.49	3.31	7.89	3.31	8.28	3.31	8.47	3.31	9.03	3.31	9.40	3.31
2.5+2.5+7.1	22.0	9.81	2.75	10.26	2.81	10.71	2.86	10.93	2.89	11.60	2.97	12.05	3.02
	25.0	9.53	2.85	9.98	2.91	10.43	2.96	10.66	2.99	11.33	3.07	11.78	3.12
	32.0	8.90	3.10	9.35	3.16	9.80	3.21	10.02	3.24	10.70	3.32	11.15	3.37
	35.0	8.63	3.22	9.08	3.27	9.53	3.33	9.75	3.35	10.42	3.43	10.87	3.49
	40.0	8.17	3.43	8.62	3.48	9.07	3.53	9.30	3.56	9.97	3.64	10.42	3.69
	43.0	7.90	3.56	8.35	3.61	8.80	3.66	9.02	3.69	9.69	3.76	10.11	3.76
	46.0	7.52	3.31	7.92	3.31	8.31	3.31	8.50	3.31	9.05	3.31	9.42	3.31
2.5+3.5+3.5	22.0	9.05	3.14	9.47	3.20	9.88	3.26	10.09	3.29	10.71	3.38	11.13	3.44
	25.0	8.80	3.25	9.22	3.31	9.63	3.37	9.84	3.40	10.46	3.50	10.87	3.56
	32.0	8.21	3.54	8.63	3.60	9.04	3.66	9.25	3.69	9.87	3.78	10.29	3.84
	35.0	7.96	3.67	8.38	3.73	8.79	3.79	9.00	3.82	9.62	3.92	10.04	3.98
	40.0	7.54	3.91	7.96	3.97	8.37	4.03	8.58	4.06	9.20	4.15	9.62	4.20
	43.0	7.29	3.76	7.71	3.76	8.12	3.76	8.33	3.76	8.92	3.76	9.29	3.76
	46.0	7.04	3.31	7.46	3.31	7.84	3.31	8.01	3.31	8.51	3.31	8.84	3.31
2.5+3.5+5.0	22.0	9.76	3.22	10.20	3.28	10.65	3.35	10.87	3.38	11.54	3.47	11.99	3.54
	25.0	9.49	3.34	9.93	3.40	10.38	3.46	10.60	3.49	11.27	3.59	11.72	3.65
	32.0	8.85	3.63	9.30	3.69	9.75	3.76	9.97	3.79	10.64	3.88	11.09	3.94
	35.0	8.58	3.77	9.03	3.83	9.48	3.89	9.70	3.92	10.37	4.02	10.82	4.08
	40.0	8.13	4.01	8.58	4.07	9.02	4.13	9.25	4.16	9.92	4.20	10.35	4.20
	43.0	7.86	3.76	8.31	3.76	8.75	3.76	8.95	3.76	9.54	3.76	9.93	3.76
	46.0	7.59	3.31	7.99	3.31	8.35	3.31	8.52	3.31	9.04	3.31	9.38	3.31

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+6.0	22.0	9.81	2.75	10.26	2.81	10.71	2.86	10.93	2.89	11.60	2.97	12.05	3.02
	25.0	9.53	2.85	9.98	2.91	10.43	2.96	10.66	2.99	11.33	3.07	11.78	3.12
	32.0	8.90	3.10	9.35	3.16	9.80	3.21	10.02	3.24	10.70	3.32	11.15	3.37
	35.0	8.63	3.22	9.08	3.27	9.53	3.33	9.75	3.35	10.42	3.43	10.87	3.49
	40.0	8.17	3.43	8.62	3.48	9.07	3.53	9.30	3.56	9.97	3.64	10.42	3.69
	43.0	7.90	3.56	8.35	3.61	8.80	3.66	9.02	3.69	9.69	3.76	10.11	3.76
	46.0	7.52	3.31	7.92	3.31	8.31	3.31	8.50	3.31	9.05	3.31	9.42	3.31
2.5+3.5+7.1	22.0	10.01	2.92	10.47	2.97	10.93	3.03	11.15	3.06	11.84	3.14	12.30	3.20
	25.0	9.73	3.02	10.19	3.08	10.65	3.14	10.88	3.16	11.56	3.25	12.02	3.31
	32.0	9.08	3.29	9.54	3.35	10.00	3.40	10.23	3.43	10.92	3.52	11.37	3.57
	35.0	8.80	3.41	9.26	3.47	9.72	3.53	9.95	3.55	10.64	3.64	11.10	3.70
	40.0	8.34	3.63	8.80	3.69	9.26	3.74	9.49	3.77	10.17	3.86	10.63	3.91
	43.0	8.06	3.76	8.51	3.76	8.94	3.76	9.16	3.76	9.79	3.76	10.20	3.76
	46.0	7.66	3.31	8.05	3.31	8.44	3.31	8.62	3.31	9.18	3.31	9.54	3.31
2.5+5.0+5.0	22.0	9.86	2.85	10.31	2.91	10.76	2.96	10.99	2.99	11.66	3.07	12.12	3.13
	25.0	9.58	2.95	10.04	3.01	10.49	3.07	10.71	3.09	11.39	3.18	11.84	3.23
	32.0	8.95	3.21	9.40	3.27	9.85	3.33	10.07	3.35	10.75	3.44	11.20	3.49
	35.0	8.67	3.33	9.12	3.39	9.57	3.45	9.80	3.47	10.48	3.56	10.93	3.61
	40.0	8.21	3.55	8.67	3.60	9.12	3.66	9.34	3.69	10.02	3.77	10.47	3.83
	43.0	7.94	3.68	8.39	3.74	8.83	3.76	9.05	3.76	9.68	3.76	10.09	3.76
	46.0	7.56	3.31	7.95	3.31	8.33	3.31	8.52	3.31	9.07	3.31	9.43	3.31
2.5+5.0+6.0	22.0	10.06	2.74	10.52	2.79	10.98	2.84	11.21	2.87	11.90	2.95	12.36	3.00
	25.0	9.78	2.83	10.24	2.89	10.70	2.94	10.93	2.97	11.62	3.05	12.08	3.10
	32.0	9.13	3.08	9.59	3.14	10.05	3.19	10.28	3.22	10.97	3.30	11.43	3.35
	35.0	8.85	3.20	9.31	3.25	9.77	3.31	10.00	3.33	10.69	3.41	11.15	3.47
	40.0	8.38	3.40	8.84	3.46	9.30	3.51	9.53	3.54	10.23	3.62	10.69	3.67
	43.0	8.10	3.53	8.56	3.59	9.02	3.64	9.25	3.67	9.95	3.75	10.38	3.76
	46.0	7.70	3.31	8.11	3.31	8.50	3.31	8.70	3.31	9.27	3.31	9.64	3.31
2.5+5.0+7.1	22.0	10.41	2.85	10.89	2.91	11.36	2.96	11.60	2.99	12.32	3.07	12.80	3.13
	25.0	10.12	2.95	10.60	3.01	11.08	3.07	11.31	3.09	12.03	3.18	12.51	3.23
	32.0	9.45	3.21	9.92	3.27	10.40	3.33	10.64	3.35	11.35	3.44	11.83	3.49
	35.0	9.16	3.33	9.63	3.39	10.11	3.45	10.35	3.47	11.07	3.56	11.54	3.61
	40.0	8.68	3.55	9.15	3.60	9.63	3.66	9.87	3.69	10.58	3.77	11.06	3.83
	43.0	8.39	3.68	8.86	3.74	9.33	3.76	9.55	3.76	10.21	3.76	10.63	3.76
	46.0	7.93	3.31	8.34	3.31	8.73	3.31	8.93	3.31	9.50	3.31	9.88	3.31
2.5+6.0+6.0	22.0	10.36	2.91	10.84	2.97	11.31	3.02	11.55	3.05	12.26	3.14	12.73	3.19
	25.0	10.07	3.01	10.55	3.07	11.02	3.13	11.26	3.16	11.97	3.24	12.45	3.30
	32.0	9.40	3.28	9.88	3.34	10.35	3.39	10.59	3.42	11.30	3.51	11.77	3.56
	35.0	9.11	3.40	9.59	3.46	10.06	3.52	10.30	3.54	11.01	3.63	11.49	3.69
	40.0	8.63	3.62	9.11	3.68	9.58	3.73	9.82	3.76	10.53	3.85	11.01	3.90
	43.0	8.35	3.76	8.81	3.76	9.25	3.76	9.47	3.76	10.12	3.76	10.54	3.76
	46.0	7.89	3.31	8.30	3.31	8.69	3.31	8.88	3.31	9.45	3.31	9.82	3.31
2.5+6.0+7.1	22.0	10.51	3.04	10.99	3.10	11.47	3.16	11.72	3.19	12.44	3.28	12.92	3.34
	25.0	10.22	3.15	10.70	3.21	11.18	3.27	11.42	3.30	12.15	3.39	12.63	3.45
	32.0	9.54	3.43	10.02	3.49	10.50	3.55	10.74	3.58	11.46	3.66	11.95	3.72
	35.0	9.25	3.56	9.73	3.62	10.21	3.67	10.45	3.70	11.17	3.79	11.65	3.85
	40.0	8.76	3.78	9.24	3.84	9.72	3.90	9.96	3.93	10.69	4.02	11.17	4.08
	43.0	8.45	3.76	8.90	3.76	9.34	3.76	9.56	3.76	10.20	3.76	10.62	3.76
	46.0	8.01	3.31	8.41	3.31	8.79	3.31	8.99	3.31	9.55	3.31	9.91	3.31
3.5+3.5+3.5	22.0	9.35	3.14	9.78	3.20	10.21	3.26	10.43	3.29	11.07	3.38	11.50	3.44
	25.0	9.09	3.25	9.52	3.31	9.95	3.37	10.17	3.40	10.81	3.50	11.24	3.56
	32.0	8.49	3.54	8.92	3.60	9.35	3.66	9.56	3.69	10.20	3.78	10.63	3.84
	35.0	8.23	3.67	8.66	3.73	9.09	3.79	9.30	3.82	9.94	3.92	10.37	3.98
	40.0	7.80	3.91	8.22	3.97	8.65	4.03	8.87	4.06	9.51	4.15	9.94	4.20
	43.0	7.54	3.76	7.96	3.76	8.39	3.76	8.60	3.76	9.18	3.76	9.56	3.76
	46.0	7.28	3.31	7.69	3.31	8.04	3.31	8.21	3.31	8.73	3.31	9.06	3.31
3.5+3.5+5.0	22.0	9.81	3.27	10.26	3.33	10.71	3.40	10.93	3.43	11.60	3.53	12.05	3.59
	25.0	9.53	3.39	9.98	3.45	10.43	3.52	10.66	3.55	11.33	3.64	11.78	3.71
	32.0	8.90	3.69	9.35	3.75	9.80	3.81	10.02	3.85	10.70	3.94	11.15	4.01
	35.0	8.63	3.83	9.08	3.89	9.53	3.95	9.75	3.98	10.42	4.08	10.87	4.14
	40.0	8.17	4.07	8.62	4.13	9.07	4.20	9.30	4.20	9.97	4.20	10.40	4.20
	43.0	7.90	3.76	8.35	3.76	8.80	3.76	9.00	3.76	9.60	3.76	9.98	3.76
	46.0	7.63	3.31	8.04	3.31	8.40	3.31	8.58	3.31	9.10	3.31	9.44	3.31

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+3.5+6.0	22.0	10.01	2.92	10.47	2.97	10.93	3.03	11.15	3.06	11.84	3.14	12.30	3.20
	25.0	9.73	3.02	10.19	3.08	10.65	3.14	10.88	3.16	11.56	3.25	12.02	3.31
	32.0	9.08	3.29	9.54	3.35	10.00	3.40	10.23	3.43	10.92	3.52	11.37	3.57
	35.0	8.80	3.41	9.26	3.47	9.72	3.53	9.95	3.55	10.64	3.64	11.10	3.70
	40.0	8.34	3.63	8.80	3.69	9.26	3.74	9.49	3.77	10.17	3.86	10.63	3.91
	43.0	8.06	3.76	8.51	3.76	8.94	3.76	9.16	3.76	9.79	3.76	10.20	3.76
	46.0	7.66	3.31	8.05	3.31	8.44	3.31	8.62	3.31	9.18	3.31	9.54	3.31
3.5+3.5+7.1	22.0	10.36	3.24	10.84	3.30	11.31	3.36	11.55	3.40	12.26	3.49	12.73	3.55
	25.0	10.07	3.35	10.55	3.42	11.02	3.48	11.26	3.51	11.97	3.61	12.45	3.67
	32.0	9.40	3.65	9.88	3.71	10.35	3.78	10.59	3.81	11.30	3.90	11.77	3.96
	35.0	9.11	3.79	9.59	3.85	10.06	3.91	10.30	3.94	11.01	4.04	11.49	4.10
	40.0	8.63	4.03	9.11	4.09	9.58	4.15	9.82	4.19	10.52	4.20	10.97	4.20
	43.0	8.35	3.76	8.80	3.76	9.22	3.76	9.43	3.76	10.05	3.76	10.46	3.76
	46.0	7.99	3.31	8.37	3.31	8.74	3.31	8.93	3.31	9.47	3.31	9.82	3.31
3.5+5.0+5.0	22.0	10.26	3.21	10.73	3.28	11.20	3.34	11.43	3.37	12.14	3.46	12.61	3.53
	25.0	9.98	3.33	10.44	3.39	10.91	3.45	11.15	3.49	11.85	3.58	12.32	3.64
	32.0	9.31	3.62	9.78	3.68	10.25	3.75	10.48	3.78	11.19	3.87	11.66	3.93
	35.0	9.03	3.76	9.50	3.82	9.97	3.88	10.20	3.91	10.90	4.01	11.37	4.07
	40.0	8.55	4.00	9.02	4.06	9.49	4.12	9.73	4.15	10.42	4.20	10.87	4.20
	43.0	8.27	3.76	8.71	3.76	9.14	3.76	9.35	3.76	9.97	3.76	10.37	3.76
	46.0	7.92	3.31	8.30	3.31	8.67	3.31	8.85	3.31	9.39	3.31	9.74	3.31
3.0+5.0+6.0	22.0	10.36	3.14	10.84	3.20	11.31	3.26	11.55	3.29	12.26	3.38	12.73	3.44
	25.0	10.07	3.25	10.55	3.31	11.02	3.37	11.26	3.40	11.97	3.50	12.45	3.56
	32.0	9.40	3.54	9.88	3.60	10.35	3.66	10.59	3.69	11.30	3.78	11.77	3.84
	35.0	9.11	3.67	9.59	3.73	10.06	3.79	10.30	3.82	11.01	3.92	11.49	3.98
	40.0	8.63	3.91	9.11	3.97	9.58	4.03	9.82	4.06	10.53	4.15	11.00	4.20
	43.0	8.34	3.76	8.78	3.76	9.21	3.76	9.43	3.76	10.05	3.76	10.46	3.76
	46.0	7.94	3.31	8.33	3.31	8.71	3.31	8.90	3.31	9.45	3.31	9.80	3.31
3.5+5.0+7.1	22.0	10.51	3.11	10.99	3.17	11.47	3.23	11.72	3.26	12.44	3.35	12.92	3.41
	25.0	10.22	3.22	10.70	3.28	11.18	3.34	11.42	3.37	12.15	3.46	12.63	3.52
	32.0	9.54	3.50	10.02	3.56	10.50	3.62	10.74	3.65	11.46	3.74	11.95	3.80
	35.0	9.25	3.63	9.73	3.69	10.21	3.75	10.45	3.78	11.17	3.87	11.65	3.94
	40.0	8.76	3.86	9.24	3.93	9.72	3.99	9.96	4.02	10.69	4.11	11.17	4.17
	43.0	8.45	3.76	8.90	3.76	9.34	3.76	9.55	3.76	10.19	3.76	10.60	3.76
	46.0	8.03	3.31	8.42	3.31	8.80	3.31	8.99	3.31	9.55	3.31	9.91	3.31
3.5+6.0+6.0	22.0	10.46	3.08	10.94	3.14	11.42	3.20	11.66	3.23	12.38	3.32	12.86	3.38
	25.0	10.17	3.19	10.65	3.25	11.13	3.31	11.37	3.34	12.09	3.43	12.57	3.49
	32.0	9.49	3.47	9.97	3.53	10.45	3.59	10.69	3.62	11.41	3.71	11.89	3.77
	35.0	9.20	3.60	9.68	3.66	10.16	3.72	10.40	3.75	11.12	3.84	11.60	3.90
	40.0	8.72	3.83	9.20	3.89	9.68	3.95	9.92	3.98	10.63	4.07	11.11	4.13
	43.0	8.41	3.76	8.86	3.76	9.30	3.76	9.51	3.76	10.15	3.76	10.56	3.76
	46.0	7.99	3.31	8.38	3.31	8.76	3.31	8.95	3.31	9.51	3.31	9.87	3.31
5.0+5.0+5.0	22.0	10.41	3.09	10.89	3.15	11.36	3.21	11.60	3.24	12.32	3.33	12.80	3.39
	25.0	10.12	3.20	10.60	3.26	11.08	3.32	11.31	3.35	12.03	3.44	12.51	3.50
	32.0	9.45	3.48	9.92	3.54	10.40	3.60	10.64	3.63	11.35	3.72	11.83	3.78
	35.0	9.16	3.61	9.63	3.67	10.11	3.73	10.35	3.76	11.07	3.85	11.54	3.91
	40.0	8.68	3.84	9.15	3.90	9.63	3.96	9.87	3.99	10.58	4.09	11.06	4.15
	43.0	8.37	3.76	8.82	3.76	9.25	3.76	9.47	3.76	10.10	3.76	10.51	3.76
	46.0	7.96	3.31	8.35	3.31	8.73	3.31	8.92	3.31	9.48	3.31	9.84	3.31
2.5+2.5+2.5+2.5	22.0	9.51	2.65	9.94	2.70	10.38	2.75	10.59	2.78	11.25	2.85	11.68	2.90
	25.0	9.24	2.74	9.68	2.79	10.11	2.84	10.33	2.87	10.98	2.95	11.42	3.00
	32.0	8.63	2.98	9.06	3.03	9.50	3.09	9.71	3.11	10.37	3.19	10.80	3.24
	35.0	8.36	3.09	8.80	3.15	9.23	3.20	9.45	3.22	10.10	3.30	10.54	3.35
	40.0	7.92	3.29	8.36	3.34	8.79	3.40	9.01	3.42	9.66	3.50	10.10	3.55
	43.0	7.66	3.42	8.09	3.47	8.53	3.52	8.75	3.55	9.40	3.62	9.83	3.68
	46.0	7.32	3.31	7.72	3.31	8.10	3.31	8.29	3.31	8.85	3.31	9.21	3.31
2.5+2.5+2.5+3.5	22.0	9.76	2.84	10.20	2.90	10.65	2.95	10.87	2.98	11.54	3.06	11.99	3.12
	25.0	9.49	2.95	9.93	3.00	10.38	3.06	10.60	3.08	11.27	3.17	11.72	3.22
	32.0	8.85	3.21	9.30	3.26	9.75	3.32	9.97	3.34	10.64	3.43	11.09	3.48
	35.0	8.58	3.33	9.03	3.38	9.48	3.44	9.70	3.46	10.37	3.55	10.82	3.60
	40.0	8.13	3.54	8.58	3.59	9.02	3.65	9.25	3.68	9.92	3.76	10.37	3.81
	43.0	7.86	3.67	8.31	3.73	8.75	3.76	8.96	3.76	9.59	3.76	9.99	3.76
	46.0	7.49	3.31	7.88	3.31	8.25	3.31	8.44	3.31	8.99	3.31	9.35	3.31

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+2.5+5.0	22.0	10.16	2.88	10.62	2.94	11.09	3.00	11.32	3.03	12.02	3.11	12.49	3.17
	25.0	9.88	2.99	10.34	3.04	10.81	3.10	11.04	3.13	11.74	3.21	12.20	3.27
	32.0	9.22	3.25	9.68	3.31	10.15	3.36	10.38	3.39	11.08	3.48	11.55	3.53
	35.0	8.94	3.37	9.40	3.43	9.87	3.49	10.10	3.51	10.80	3.60	11.26	3.65
	40.0	8.47	3.59	8.93	3.65	9.40	3.70	9.63	3.73	10.33	3.81	10.79	3.87
	43.0	8.18	3.73	8.64	3.76	9.09	3.76	9.31	3.76	9.95	3.76	10.36	3.76
	46.0	7.76	3.31	8.16	3.31	8.54	3.31	8.74	3.31	9.30	3.31	9.66	3.31
2.5+2.5+2.5+6.0	22.0	10.26	2.91	10.73	2.97	11.20	3.02	11.43	3.05	12.14	3.14	12.61	3.19
	25.0	9.98	3.01	10.44	3.07	10.91	3.13	11.15	3.16	11.85	3.24	12.32	3.30
	32.0	9.31	3.28	9.78	3.34	10.25	3.39	10.48	3.42	11.19	3.51	11.66	3.56
	35.0	9.03	3.40	9.50	3.46	9.97	3.52	10.20	3.54	10.90	3.63	11.37	3.69
	40.0	8.55	3.62	9.02	3.68	9.49	3.73	9.73	3.76	10.43	3.85	10.90	3.90
	43.0	8.27	3.76	8.72	3.76	9.17	3.76	9.39	3.76	10.03	3.76	10.45	3.76
	46.0	7.83	3.31	8.23	3.31	8.62	3.31	8.81	3.31	9.37	3.31	9.74	3.31
2.5+2.5+2.5+7.1	22.0	10.36	3.07	10.84	3.13	11.31	3.19	11.55	3.22	12.26	3.31	12.73	3.37
	25.0	10.07	3.18	10.55	3.24	11.02	3.30	11.26	3.33	11.97	3.42	12.45	3.48
	32.0	9.40	3.46	9.88	3.52	10.35	3.58	10.59	3.61	11.30	3.70	11.77	3.76
	35.0	9.11	3.59	9.59	3.65	10.06	3.71	10.30	3.74	11.01	3.83	11.49	3.89
	40.0	8.63	3.82	9.11	3.88	9.58	3.94	9.82	3.97	10.53	4.06	11.01	4.12
	43.0	8.33	3.76	8.78	3.76	9.21	3.76	9.43	3.76	10.06	3.76	10.47	3.76
	46.0	7.92	3.31	8.31	3.31	8.70	3.31	8.88	3.31	9.44	3.31	9.80	3.31
2.5+2.5+3.5+3.5	22.0	9.96	2.84	10.41	2.90	10.87	2.95	11.10	2.98	11.78	3.06	12.24	3.12
	25.0	9.68	2.95	10.14	3.00	10.59	3.06	10.82	3.08	11.51	3.17	11.96	3.22
	32.0	9.04	3.21	9.49	3.26	9.95	3.32	10.18	3.34	10.86	3.43	11.32	3.48
	35.0	8.76	3.33	9.22	3.38	9.67	3.44	9.90	3.46	10.58	3.55	11.04	3.60
	40.0	8.30	3.54	8.75	3.59	9.21	3.65	9.44	3.68	10.12	3.76	10.58	3.81
	43.0	8.02	3.67	8.48	3.73	8.93	3.76	9.14	3.76	9.78	3.76	10.19	3.76
	46.0	7.62	3.31	8.02	3.31	8.40	3.31	8.59	3.31	9.15	3.31	9.51	3.31
2.5+2.5+3.5+5.0	22.0	10.31	3.09	10.78	3.15	11.25	3.21	11.49	3.24	12.20	3.33	12.67	3.39
	25.0	10.02	3.20	10.50	3.26	10.97	3.32	11.20	3.35	11.91	3.44	12.39	3.50
	32.0	9.36	3.48	9.83	3.54	10.30	3.60	10.54	3.63	11.24	3.72	11.72	3.78
	35.0	9.07	3.61	9.54	3.67	10.01	3.73	10.25	3.76	10.96	3.85	11.43	3.91
	40.0	8.59	3.84	9.06	3.90	9.54	3.96	9.77	3.99	10.48	4.09	10.95	4.15
	43.0	8.29	3.76	8.74	3.76	9.17	3.76	9.39	3.76	10.01	3.76	10.42	3.76
	46.0	7.90	3.31	8.28	3.31	8.66	3.31	8.85	3.31	9.40	3.31	9.76	3.31
2.5+2.5+3.5+6.0	22.0	10.46	3.11	10.94	3.18	11.42	3.24	11.66	3.27	12.38	3.36	12.86	3.42
	25.0	10.17	3.23	10.65	3.29	11.13	3.35	11.37	3.38	12.09	3.47	12.57	3.53
	32.0	9.49	3.51	9.97	3.57	10.45	3.63	10.69	3.66	11.41	3.75	11.89	3.81
	35.0	9.20	3.64	9.68	3.70	10.16	3.76	10.40	3.79	11.12	3.88	11.60	3.95
	40.0	8.72	3.88	9.20	3.94	9.68	4.00	9.92	4.03	10.63	4.12	11.11	4.18
	43.0	8.41	3.76	8.86	3.76	9.29	3.76	9.51	3.76	10.14	3.76	10.55	3.76
	46.0	8.00	3.31	8.39	3.31	8.77	3.31	8.96	3.31	9.51	3.31	9.87	3.31
2.5+2.5+3.5+7.1	22.0	10.56	3.07	11.05	3.13	11.53	3.19	11.77	3.22	12.50	3.31	12.98	3.37
	25.0	10.27	3.18	10.75	3.24	11.24	3.30	11.48	3.33	12.20	3.42	12.69	3.48
	32.0	9.58	3.46	10.07	3.52	10.55	3.58	10.79	3.61	11.52	3.70	12.00	3.76
	35.0	9.29	3.59	9.77	3.65	10.26	3.71	10.50	3.74	11.23	3.83	11.71	3.89
	40.0	8.80	3.82	9.29	3.88	9.77	3.94	10.01	3.97	10.74	4.06	11.22	4.12
	43.0	8.48	3.76	8.94	3.76	9.38	3.76	9.60	3.76	10.24	3.76	10.66	3.76
	46.0	8.05	3.31	8.44	3.31	8.83	3.31	9.02	3.31	9.58	3.31	9.95	3.31
2.5+2.5+5.0+5.0	22.0	10.51	3.09	10.99	3.15	11.47	3.21	11.72	3.24	12.44	3.33	12.92	3.39
	25.0	10.22	3.20	10.70	3.26	11.18	3.32	11.42	3.35	12.15	3.44	12.63	3.50
	32.0	9.54	3.48	10.02	3.54	10.50	3.60	10.74	3.63	11.46	3.72	11.95	3.78
	35.0	9.25	3.61	9.73	3.67	10.21	3.73	10.45	3.76	11.17	3.85	11.65	3.91
	40.0	8.76	3.84	9.24	3.90	9.72	3.96	9.96	3.99	10.69	4.09	11.17	4.15
	43.0	8.45	3.76	8.90	3.76	9.34	3.76	9.55	3.76	10.19	3.76	10.60	3.76
	46.0	8.02	3.31	8.41	3.31	8.80	3.31	8.99	3.31	9.55	3.31	9.91	3.31
2.5+3.5+3.5+3.5	22.0	10.06	3.02	10.52	3.07	10.98	3.13	11.21	3.16	11.90	3.25	12.36	3.31
	25.0	9.78	3.12	10.24	3.18	10.70	3.24	10.93	3.27	11.62	3.36	12.08	3.42
	32.0	9.13	3.40	9.59	3.46	10.05	3.52	10.28	3.55	10.97	3.63	11.43	3.69
	35.0	8.85	3.53	9.31	3.59	9.77	3.64	10.00	3.67	10.	3.76	11.15	3.82
	40.0	8.38	3.75	8.84	3.81	9.30	3.87	9.53	3.90	10.23	3.99	10.69	4.05
	43.0	8.10	3.76	8.54	3.76	8.97	3.76	9.18	3.76	9.80	3.76	10.21	3.76
	46.0	7.72	3.31	8.10	3.31	8.48	3.31	8.66	3.31	9.21	3.31	9.57	3.31

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+3.5+5.0	22.0	10.36	3.05	10.84	3.11	11.31	3.17	11.55	3.20	12.26	3.29	12.73	3.35
	25.0	10.07	3.16	10.55	3.22	11.02	3.28	11.26	3.31	11.97	3.40	12.45	3.46
	32.0	9.40	3.44	9.88	3.50	10.35	3.56	10.59	3.59	11.30	3.67	11.77	3.73
	35.0	9.11	3.57	9.59	3.62	10.06	3.68	10.30	3.71	11.01	3.80	11.49	3.86
	40.0	8.63	3.79	9.11	3.85	9.58	3.91	9.82	3.94	10.53	4.03	11.01	4.09
	43.0	8.33	3.76	8.78	3.76	9.22	3.76	9.43	3.76	10.07	3.76	10.48	3.76
	46.0	7.92	3.31	8.31	3.31	8.69	3.31	8.88	3.31	9.44	3.31	9.80	3.31
2.5+3.5+3.5+6.0	22.0	10.46	3.08	10.94	3.14	11.42	3.20	11.66	3.23	12.38	3.32	12.86	3.38
	25.0	10.17	3.19	10.65	3.25	11.13	3.31	11.37	3.34	12.09	3.43	12.57	3.49
	32.0	9.49	3.47	9.97	3.53	10.45	3.59	10.69	3.62	11.41	3.71	11.89	3.77
	35.0	9.20	3.60	9.68	3.66	10.16	3.72	10.40	3.75	11.12	3.84	11.60	3.90
	40.0	8.72	3.83	9.20	3.89	9.68	3.95	9.92	3.98	10.63	4.07	11.11	4.13
	43.0	8.41	3.76	8.86	3.76	9.30	3.76	9.51	3.76	10.15	3.76	10.56	3.76
	46.0	7.99	3.31	8.38	3.31	8.76	3.31	8.95	3.31	9.51	3.31	9.87	3.31
3.5+3.5+3.5+3.5	22.0	10.16	3.21	10.62	3.27	11.09	3.33	11.32	3.36	12.02	3.45	12.49	3.52
	25.0	9.88	3.32	10.34	3.38	10.81	3.45	11.04	3.48	11.74	3.57	12.20	3.63
	32.0	9.22	3.61	9.68	3.68	10.15	3.74	10.38	3.77	11.08	3.86	11.55	3.92
	35.0	8.94	3.75	9.40	3.81	9.87	3.87	10.10	3.90	10.80	4.00	11.26	4.06
	40.0	8.47	3.99	8.93	4.05	9.40	4.11	9.63	4.14	10.32	4.20	10.77	4.20
	43.0	8.18	3.76	8.64	3.76	9.06	3.76	9.27	3.76	9.88	3.76	10.28	3.76
	46.0	7.85	3.31	8.23	3.31	8.60	3.31	8.78	3.31	9.32	3.31	9.67	3.31
3.5+3.5+3.5+5.0	22.0	10.46	3.14	10.94	3.20	11.42	3.26	11.66	3.29	12.38	3.38	12.86	3.44
	25.0	10.17	3.25	10.65	3.31	11.13	3.37	11.37	3.40	12.09	3.50	12.57	3.56
	32.0	9.49	3.54	9.97	3.60	10.45	3.66	10.69	3.69	11.41	3.78	11.89	3.84
	35.0	9.20	3.67	9.68	3.73	10.16	3.79	10.40	3.82	11.12	3.92	11.60	3.98
	40.0	8.72	3.91	9.20	3.97	9.68	4.03	9.92	4.06	10.63	4.15	11.11	4.20
	43.0	8.41	3.76	8.86	3.76	9.29	3.76	9.51	3.76	10.14	3.76	10.55	3.76
	46.0	8.01	3.31	8.40	3.31	8.78	3.31	8.96	3.31	9.52	3.31	9.88	3.31

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5 kW class; FTKD25DVM 3.5 kW class; FTKD35DVM
5.0 kW class; FTKD50FVM 6.0 kW class; FTKD60FVM
7.1 kW class; FTKD71FVM

3D050054#1
3D050054#2
3D050054#3
3D050054#4
3D050054#5

[Cooling Capacity 50/60Hz 230V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	3.29	0.75	3.79	0.88	3.95	0.90	4.04	0.90	4.28	0.93	4.45	0.95
	25.0	3.29	0.81	3.69	0.91	3.85	0.93	3.94	0.94	4.18	0.96	4.35	0.98
	32.0	3.29	0.97	3.45	0.99	3.62	1.01	3.70	1.01	3.95	1.04	4.12	1.06
	35.0	3.19	1.01	3.35	1.03	3.52	1.04	3.60	1.05	3.85	1.08	4.01	1.09
	40.0	3.02	1.07	3.18	1.09	3.35	1.11	3.43	1.12	3.68	1.14	3.85	1.16
	43.0	2.92	1.11	3.08	1.13	3.25	1.15	3.33	1.16	3.58	1.18	3.75	1.20
	46.0	2.82	1.16	2.98	1.17	3.15	1.19	3.23	1.20	3.48	1.22	3.65	1.24
3.5	22.0	3.33	0.79	4.09	1.01	4.91	1.29	5.04	1.32	5.36	1.36	5.56	1.38
	25.0	3.33	0.84	4.09	1.09	4.82	1.35	4.92	1.36	5.23	1.40	5.44	1.42
	32.0	3.33	1.01	4.09	1.31	4.52	1.47	4.63	1.48	4.94	1.52	5.14	1.54
	35.0	3.33	1.09	4.09	1.43	4.40	1.52	4.50	1.53	4.81	1.57	5.02	1.59
	40.0	3.33	1.26	3.98	1.59	4.19	1.61	4.29	1.63	4.60	1.66	4.81	1.69
	43.0	3.33	1.38	3.85	1.65	4.06	1.67	4.16	1.69	4.48	1.72	4.68	1.75
	46.0	3.33	1.52	3.73	1.71	3.94	1.73	4.04	1.75	4.35	1.78	4.56	1.81

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
5.0	22.0	5.97	1.87	6.52	2.09	6.81	2.13	6.95	2.15	7.38	2.21	7.66	2.25
	25.0	5.97	2.05	6.35	2.16	6.63	2.20	6.78	2.22	7.21	2.28	7.49	2.32
	32.0	5.66	2.31	5.94	2.35	6.23	2.39	6.37	2.41	6.80	2.47	7.09	2.51
	35.0	5.49	2.39	5.77	2.43	6.06	2.47	6.20	2.49	6.63	2.55	6.91	2.59
	40.0	5.20	2.55	5.48	2.59	5.77	2.63	5.91	2.65	6.34	2.71	6.63	2.75
	43.0	5.02	2.64	5.31	2.68	5.60	2.72	5.74	2.74	6.17	2.80	6.45	2.84
	46.0	4.85	2.74	5.14	2.78	5.42	2.82	5.56	2.84	5.99	2.90	6.28	2.94
6.0	22.0	6.56	1.80	7.05	1.94	7.36	1.97	7.51	1.99	7.97	2.05	8.28	2.08
	25.0	6.55	1.97	6.86	2.00	7.17	2.04	7.32	2.06	7.79	2.11	8.10	2.15
	32.0	6.12	2.14	6.42	2.18	6.73	2.21	6.89	2.23	7.35	2.29	7.66	2.32
	35.0	5.93	2.22	6.24	2.26	6.55	2.29	6.70	2.31	7.16	2.37	7.47	2.40
	40.0	5.62	2.36	5.93	2.40	6.23	2.44	6.39	2.45	6.85	2.51	7.16	2.55
	43.0	5.43	2.45	5.74	2.49	6.05	2.53	6.20	2.54	6.66	2.60	6.97	2.64
	46.0	5.24	2.55	5.55	2.58	5.86	2.62	6.01	2.64	6.48	2.69	6.79	2.73
7.1	22.0	6.57	1.85	7.57	2.31	7.91	2.36	8.07	2.38	8.57	2.44	8.90	2.49
	25.0	6.57	2.03	7.37	2.39	7.70	2.44	7.87	2.46	8.37	2.53	8.70	2.57
	32.0	6.57	2.56	6.90	2.60	7.24	2.64	7.40	2.67	7.90	2.73	8.23	2.78
	35.0	6.37	2.65	6.70	2.70	7.03	2.74	7.20	2.76	7.70	2.83	8.03	2.87
	40.0	6.04	2.82	6.37	2.87	6.70	2.91	6.86	2.93	7.36	3.00	7.69	3.04
	43.0	5.83	2.93	6.17	2.97	6.50	3.02	6.66	3.04	7.16	3.11	7.49	3.15
	46.0	5.63	3.04	5.96	3.09	6.30	3.13	6.46	3.15	6.96	3.22	7.29	3.26
2.5+2.5	22.0	6.59	1.97	7.05	2.10	7.36	2.14	7.51	2.16	7.97	2.22	8.28	2.26
	25.0	6.55	2.14	6.86	2.18	7.17	2.22	7.32	2.24	7.79	2.30	8.10	2.34
	32.0	6.12	2.33	6.42	2.37	6.73	2.41	6.89	2.43	7.35	2.49	7.66	2.53
	35.0	5.93	2.41	6.24	2.45	6.55	2.49	6.70	2.51	7.16	2.57	7.47	2.61
	40.0	5.62	2.57	5.93	2.61	6.23	2.65	6.39	2.67	6.85	2.73	7.16	2.77
	43.0	5.43	2.66	5.74	2.70	6.05	2.74	6.20	2.76	6.66	2.82	6.97	2.86
	46.0	5.24	2.77	5.55	2.81	5.86	2.85	6.01	2.87	6.48	2.93	6.79	2.97
2.5+3.5	22.0	6.62	2.03	7.36	2.36	7.69	2.41	7.85	2.43	8.33	2.50	8.65	2.54
	25.0	6.62	2.23	7.17	2.45	7.49	2.49	7.65	2.51	8.14	2.58	8.46	2.63
	32.0	6.39	2.61	6.71	2.66	7.03	2.70	7.20	2.72	7.68	2.79	8.00	2.84
	35.0	6.19	2.71	6.52	2.76	6.84	2.80	7.00	2.82	7.48	2.89	7.81	2.94
	40.0	5.87	2.88	6.19	2.93	6.51	2.97	6.67	3.00	7.16	3.06	7.48	3.11
	43.0	5.67	2.99	5.99	3.04	6.32	3.08	6.48	3.11	6.96	3.17	7.28	3.22
	46.0	5.48	3.11	5.80	3.15	6.12	3.20	6.28	3.22	6.77	3.29	7.09	3.33
2.5+5.0	22.0	8.25	2.84	8.63	2.90	9.00	2.95	9.19	2.98	9.76	3.06	10.14	3.12
	25.0	8.02	2.95	8.40	3.00	8.77	3.06	8.96	3.08	9.53	3.17	9.91	3.22
	32.0	7.48	3.21	7.86	3.26	8.24	3.32	8.43	3.34	9.00	3.43	9.37	3.48
	35.0	7.26	3.33	7.63	3.38	8.01	3.44	8.20	3.46	8.77	3.55	9.14	3.60
	40.0	6.87	3.54	7.25	3.59	7.63	3.65	7.82	3.68	8.38	3.76	8.76	3.81
	43.0	6.64	3.67	7.02	3.73	7.40	3.78	7.59	3.81	8.16	3.89	8.53	3.93
	46.0	6.42	3.47	6.79	3.47	7.17	3.47	7.36	3.47	7.87	3.47	8.20	3.47
2.5+6.0	22.0	8.65	2.52	9.05	2.57	9.44	2.62	9.64	2.65	10.24	2.72	10.63	2.77
	25.0	8.41	2.61	8.81	2.66	9.20	2.71	9.40	2.74	10.00	2.81	10.39	2.86
	32.0	7.85	2.84	8.25	2.89	8.64	2.94	8.84	2.97	9.43	3.04	9.83	3.09
	35.0	7.61	2.95	8.01	3.00	8.40	3.05	8.60	3.07	9.19	3.15	9.59	3.20
	40.0	7.21	3.14	7.61	3.19	8.00	3.24	8.20	3.26	8.79	3.34	9.19	3.38
	43.0	6.97	3.26	7.36	3.31	7.76	3.36	7.96	3.38	8.55	3.45	8.95	3.50
	46.0	6.73	3.38	7.12	3.43	7.52	3.47	7.71	3.47	8.26	3.47	8.62	3.47
2.5+7.1	22.0	8.85	2.69	9.26	2.74	9.66	2.79	9.87	2.82	10.47	2.90	10.88	2.95
	25.0	8.61	2.78	9.01	2.84	9.42	2.89	9.62	2.91	10.23	2.99	10.63	3.05
	32.0	8.03	3.03	8.44	3.08	8.84	3.13	9.05	3.16	9.65	3.24	10.06	3.29
	35.0	7.79	3.14	8.19	3.19	8.60	3.25	8.80	3.27	9.41	3.35	9.81	3.40
	40.0	7.38	3.34	7.78	3.40	8.19	3.45	8.39	3.47	9.00	3.55	9.40	3.61
	43.0	7.13	3.47	7.54	3.52	7.94	3.58	8.14	3.60	8.75	3.68	9.16	3.73
	46.0	6.88	3.47	7.27	3.47	7.65	3.47	7.83	3.47	8.38	3.47	8.74	3.47
3.5+3.5	22.0	6.66	2.18	8.10	3.18	8.45	3.24	8.63	3.27	9.16	3.36	9.52	3.42
	25.0	6.66	2.38	7.88	3.29	8.24	3.35	8.42	3.38	8.95	3.47	9.30	3.53
	32.0	6.66	3.03	7.38	3.57	7.74	3.63	7.92	3.66	8.45	3.75	8.80	3.81
	35.0	6.66	3.41	7.17	3.70	7.52	3.76	7.70	3.79	8.23	3.88	8.59	3.95
	40.0	6.45	3.88	6.81	3.94	7.16	4.00	7.34	4.03	7.87	4.12	8.23	4.18
	43.0	6.24	3.93	6.59	3.93	6.95	3.93	7.13	3.93	7.66	3.93	8.01	3.93
	46.0	6.02	3.47	6.38	3.47	6.73	3.47	6.91	3.47	7.44	3.47	7.80	3.47

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+5.0	22.0	8.55	3.21	8.94	3.27	9.33	3.33	9.53	3.36	10.12	3.45	10.51	3.52
	25.0	8.31	3.32	8.70	3.38	9.10	3.45	9.29	3.48	9.88	3.57	10.27	3.63
	32.0	7.76	3.61	8.15	3.68	8.54	3.74	8.74	3.77	9.32	3.86	9.72	3.92
	35.0	7.52	3.75	7.91	3.81	8.30	3.87	8.50	3.90	9.09	4.00	9.48	4.06
	40.0	7.13	3.99	7.52	4.05	7.91	4.11	8.10	4.14	8.69	4.24	9.08	4.30
	43.0	6.89	3.93	7.28	3.93	7.67	3.93	7.87	3.93	8.45	3.93	8.85	3.93
	46.0	6.65	3.47	7.04	3.47	7.43	3.47	7.63	3.47	8.22	3.47	8.61	3.47
3.5+6.0	22.0	8.75	2.61	9.15	2.66	9.55	2.71	9.75	2.73	10.35	2.81	10.76	2.86
	25.0	8.51	2.70	8.91	2.75	9.31	2.80	9.51	2.83	10.11	2.90	10.51	2.95
	32.0	7.94	2.94	8.34	2.99	8.74	3.04	8.94	3.06	9.54	3.14	9.95	3.19
	35.0	7.70	3.05	8.10	3.10	8.50	3.15	8.70	3.17	9.30	3.25	9.70	3.30
	40.0	7.29	3.24	7.69	3.29	8.09	3.34	8.29	3.37	8.90	3.44	9.30	3.49
	43.0	7.05	3.36	7.45	3.42	7.85	3.47	8.05	3.49	8.65	3.57	9.05	3.62
	46.0	6.80	3.47	7.19	3.47	7.58	3.47	7.76	3.47	8.32	3.47	8.67	3.47
3.5+7.1	22.0	9.30	3.13	9.73	3.19	10.16	3.25	10.37	3.28	11.01	3.37	11.44	3.44
	25.0	9.05	3.24	9.47	3.30	9.90	3.37	10.11	3.40	10.75	3.49	11.18	3.55
	32.0	8.44	3.53	8.87	3.59	9.30	3.65	9.51	3.68	10.15	3.77	10.57	3.83
	35.0	8.18	3.66	8.61	3.72	9.04	3.78	9.25	3.81	9.89	3.91	10.32	3.97
	40.0	7.75	3.90	8.18	3.96	8.61	4.02	8.82	4.05	9.46	4.14	9.88	4.20
	43.0	7.50	3.93	7.92	3.93	8.35	3.93	8.56	3.93	9.19	3.93	9.59	3.93
	46.0	7.24	3.47	7.66	3.47	8.09	3.47	8.27	3.47	8.80	3.47	9.15	3.47
5.0+5.0	22.0	9.05	2.99	9.47	3.05	9.88	3.11	10.09	3.14	10.71	3.22	11.13	3.28
	25.0	8.80	3.10	9.22	3.16	9.63	3.22	9.84	3.24	10.46	3.33	10.87	3.39
	32.0	8.21	3.37	8.63	3.43	9.04	3.49	9.25	3.52	9.87	3.60	10.29	3.66
	35.0	7.96	3.50	8.38	3.56	8.79	3.61	9.00	3.64	9.62	3.73	10.04	3.79
	40.0	7.54	3.72	7.96	3.78	8.37	3.84	8.58	3.87	9.20	3.95	9.62	4.01
	43.0	7.29	3.86	7.71	3.92	8.12	3.93	8.33	3.93	8.94	3.93	9.34	3.93
	46.0	7.04	3.47	7.46	3.47	7.84	3.47	8.03	3.47	8.56	3.47	8.90	3.47
5.0+6.0	22.0	9.56	2.83	9.99	2.88	10.43	2.94	10.65	2.96	11.31	3.05	11.74	3.10
	25.0	9.29	2.93	9.73	2.98	10.17	3.04	10.38	3.07	11.04	3.15	11.48	3.20
	32.0	8.67	3.19	9.11	3.24	9.55	3.30	9.77	3.32	10.42	3.41	10.86	3.46
	35.0	8.41	3.31	8.84	3.36	9.28	3.42	9.50	3.44	10.16	3.53	10.59	3.58
	40.0	7.96	3.52	8.40	3.57	8.84	3.63	9.06	3.65	9.71	3.74	10.15	3.79
	43.0	7.70	3.65	8.14	3.71	8.57	3.76	8.79	3.79	9.45	3.87	9.89	3.93
	46.0	7.40	3.47	7.80	3.47	8.19	3.47	8.39	3.47	8.95	3.47	9.32	3.47
5.0+7.1	22.0	9.66	2.91	10.10	2.97	10.54	3.02	10.76	3.05	11.43	3.14	11.87	3.19
	25.0	9.39	3.01	9.83	3.07	10.27	3.13	10.49	3.16	11.16	3.24	11.60	3.30
	32.0	8.76	3.28	9.20	3.34	9.65	3.39	9.87	3.42	10.53	3.51	10.97	3.56
	35.0	8.49	3.40	8.94	3.46	9.38	3.52	9.60	3.54	10.26	3.63	10.71	3.69
	40.0	8.05	3.62	8.49	3.68	8.93	3.73	9.15	3.76	9.82	3.85	10.26	3.90
	43.0	7.78	3.76	8.22	3.81	8.66	3.87	8.88	3.90	9.53	3.93	9.95	3.93
	46.0	7.49	3.47	7.88	3.47	8.27	3.47	8.46	3.47	9.03	3.47	9.39	3.47
6.0+6.0	22.0	9.76	2.62	10.20	2.67	10.65	2.72	10.87	2.75	11.54	2.83	11.99	2.88
	25.0	9.49	2.72	9.93	2.77	10.38	2.82	10.60	2.84	11.27	2.92	11.72	2.97
	32.0	8.85	2.95	9.30	3.01	9.75	3.06	9.97	3.08	10.64	3.16	11.09	3.21
	35.0	8.58	3.07	9.03	3.12	9.48	3.17	9.70	3.19	10.37	3.27	10.82	3.32
	40.0	8.13	3.26	8.58	3.31	9.02	3.36	9.25	3.39	9.92	3.47	10.37	3.52
	43.0	7.86	3.39	8.31	3.44	8.75	3.49	8.98	3.51	9.65	3.59	10.09	3.64
	46.0	7.57	3.47	8.00	3.47	8.41	3.47	8.61	3.47	9.21	3.47	9.60	3.47
6.0+7.1	22.0	9.86	2.70	10.31	2.75	10.76	2.80	10.99	2.83	11.66	2.91	12.12	2.96
	25.0	9.58	2.79	10.04	2.84	10.49	2.90	10.71	2.92	11.39	3.00	11.84	3.05
	32.0	8.95	3.04	9.40	3.09	9.85	3.14	10.07	3.17	10.75	3.25	11.20	3.30
	35.0	8.67	3.15	9.12	3.20	9.57	3.26	9.80	3.28	10.48	3.36	10.93	3.41
	40.0	8.21	3.35	8.67	3.41	9.12	3.46	9.34	3.48	10.02	3.56	10.47	3.62
	43.0	7.94	3.48	8.39	3.53	8.84	3.59	9.07	3.61	9.75	3.69	10.20	3.74
	46.0	7.63	3.47	8.05	3.47	8.46	3.47	8.66	3.47	9.25	3.47	9.64	3.47
7.1+7.1	22.0	9.96	2.77	10.41	2.82	10.87	2.88	11.10	2.90	11.78	2.99	12.24	3.04
	25.0	9.68	2.87	10.14	2.92	10.59	2.98	10.82	3.00	11.51	3.08	11.96	3.14
	32.0	9.04	3.12	9.49	3.18	9.95	3.23	10.18	3.26	10.86	3.34	11.32	3.39
	35.0	8.76	3.24	9.22	3.29	9.67	3.35	9.90	3.37	10.58	3.45	11.04	3.51
	40.0	8.30	3.45	8.75	3.50	9.21	3.55	9.44	3.58	10.12	3.66	10.58	3.72
	43.0	8.02	3.58	8.48	3.63	8.93	3.68	9.16	3.71	9.85	3.79	10.30	3.85
	46.0	7.69	3.47	8.11	3.47	8.52	3.47	8.72	3.47	9.31	3.47	9.69	3.47

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+2.5	22.0	8.45	2.55	8.84	2.60	9.22	2.65	9.42	2.67	10.00	2.75	10.38	2.80
	25.0	8.21	2.64	8.60	2.69	8.99	2.74	9.18	2.76	9.76	2.84	10.15	2.89
	32.0	7.67	2.87	8.05	2.92	8.44	2.97	8.63	3.00	9.22	3.07	9.60	3.12
	35.0	7.43	2.98	7.82	3.03	8.21	3.08	8.40	3.10	8.98	3.18	9.37	3.23
	40.0	7.04	3.17	7.43	3.22	7.82	3.27	8.01	3.29	8.59	3.37	8.98	3.42
	43.0	6.81	3.29	7.19	3.34	7.58	3.39	7.77	3.41	8.35	3.49	8.74	3.54
	46.0	6.57	3.42	6.96	3.47	7.34	3.47	7.52	3.47	8.06	3.47	8.42	3.47
2.5+2.5+3.5	22.0	8.65	2.73	9.05	2.78	9.44	2.83	9.64	2.86	10.24	2.94	10.63	2.99
	25.0	8.41	2.83	8.81	2.88	9.20	2.93	9.40	2.96	10.00	3.04	10.39	3.09
	32.0	7.85	3.08	8.25	3.13	8.64	3.18	8.84	3.21	9.43	3.29	9.83	3.34
	35.0	7.61	3.19	8.01	3.24	8.40	3.30	8.60	3.32	9.19	3.40	9.59	3.46
	40.0	7.21	3.39	7.61	3.45	8.00	3.50	8.20	3.53	8.79	3.61	9.19	3.66
	43.0	6.97	3.52	7.36	3.58	7.76	3.63	7.96	3.66	8.55	3.74	8.95	3.79
	46.0	6.73	3.47	7.11	3.47	7.48	3.47	7.66	3.47	8.20	3.47	8.55	3.47
2.5+2.5+5.0	22.0	9.25	2.74	9.68	2.80	10.10	2.85	10.31	2.88	10.95	2.96	11.37	3.01
	25.0	9.00	2.84	9.42	2.90	9.84	2.95	10.06	2.98	10.69	3.06	11.12	3.11
	32.0	8.40	3.09	8.82	3.15	9.25	3.20	9.46	3.23	10.09	3.31	10.52	3.36
	35.0	8.14	3.21	8.56	3.26	8.99	3.32	9.20	3.34	9.84	3.42	10.26	3.48
	40.0	7.71	3.42	8.14	3.47	8.56	3.52	8.77	3.55	9.41	3.63	9.83	3.68
	43.0	7.45	3.55	7.88	3.60	8.30	3.65	8.51	3.68	9.15	3.76	9.57	3.81
	46.0	7.18	3.47	7.58	3.47	7.96	3.47	8.15	3.47	8.72	3.47	9.08	3.47
2.5+2.5+6.0	22.0	9.76	2.71	10.20	2.76	10.65	2.82	10.87	2.84	11.54	2.92	11.99	2.98
	25.0	9.49	2.81	9.93	2.86	10.38	2.92	10.60	2.94	11.27	3.02	11.72	3.07
	32.0	8.85	3.06	9.30	3.11	9.75	3.16	9.97	3.19	10.64	3.27	11.09	3.32
	35.0	8.58	3.17	9.03	3.22	9.48	3.28	9.70	3.30	10.37	3.38	10.82	3.44
	40.0	8.13	3.37	8.58	3.43	9.02	3.48	9.25	3.51	9.92	3.59	10.37	3.64
	43.0	7.86	3.50	8.31	3.56	8.75	3.61	8.98	3.63	9.65	3.71	10.09	3.77
	46.0	7.55	3.47	7.97	3.47	8.37	3.47	8.57	3.47	9.16	3.47	9.54	3.47
2.5+2.5+7.1	22.0	9.81	2.75	10.26	2.81	10.71	2.86	10.93	2.89	11.60	2.97	12.05	3.02
	25.0	9.53	2.85	9.98	2.91	10.43	2.96	10.66	2.99	11.33	3.07	11.78	3.12
	32.0	8.90	3.10	9.35	3.16	9.80	3.21	10.02	3.24	10.70	3.32	11.15	3.37
	35.0	8.63	3.22	9.08	3.27	9.53	3.33	9.75	3.35	10.42	3.43	10.87	3.49
	40.0	8.17	3.43	8.62	3.48	9.07	3.53	9.30	3.56	9.97	3.64	10.42	3.69
	43.0	7.90	3.56	8.35	3.61	8.80	3.66	9.02	3.69	9.70	3.77	10.15	3.82
	46.0	7.58	3.47	8.00	3.47	8.40	3.47	8.60	3.47	9.19	3.47	9.57	3.47
2.5+3.5+3.5	22.0	9.05	3.14	9.47	3.20	9.88	3.26	10.09	3.29	10.71	3.38	11.13	3.44
	25.0	8.80	3.25	9.22	3.31	9.63	3.37	9.84	3.40	10.46	3.50	10.87	3.56
	32.0	8.21	3.54	8.63	3.60	9.04	3.66	9.25	3.69	9.87	3.78	10.29	3.84
	35.0	7.96	3.67	8.38	3.73	8.79	3.79	9.00	3.82	9.62	3.92	10.04	3.98
	40.0	7.54	3.91	7.96	3.97	8.37	4.03	8.58	4.06	9.20	4.15	9.62	4.21
	43.0	7.29	3.93	7.71	3.93	8.12	3.93	8.33	3.93	8.95	3.93	9.35	3.93
	46.0	7.04	3.47	7.46	3.47	7.87	3.47	8.08	3.47	8.62	3.47	8.96	3.47
2.5+3.5+5.0	22.0	9.76	3.22	10.20	3.28	10.65	3.35	10.87	3.38	11.54	3.47	11.99	3.54
	25.0	9.49	3.34	9.93	3.40	10.38	3.46	10.60	3.49	11.27	3.59	11.72	3.65
	32.0	8.85	3.63	9.30	3.69	9.75	3.76	9.97	3.79	10.64	3.88	11.09	3.94
	35.0	8.58	3.77	9.03	3.83	9.48	3.89	9.70	3.92	10.37	4.02	10.82	4.08
	40.0	8.13	4.01	8.58	4.07	9.02	4.13	9.25	4.16	9.92	4.26	10.37	4.32
	43.0	7.86	3.93	8.31	3.93	8.75	3.93	8.98	3.93	9.61	3.93	10.02	3.93
	46.0	7.59	3.47	8.04	3.47	8.44	3.47	8.63	3.47	9.17	3.47	9.53	3.47
2.5+3.5+6.0	22.0	9.81	2.75	10.26	2.81	10.71	2.86	10.93	2.89	11.60	2.97	12.05	3.02
	25.0	9.53	2.85	9.98	2.91	10.43	2.96	10.66	2.99	11.33	3.07	11.78	3.12
	32.0	8.90	3.10	9.35	3.16	9.80	3.21	10.02	3.24	10.70	3.32	11.15	3.37
	35.0	8.63	3.22	9.08	3.27	9.53	3.33	9.75	3.35	10.42	3.43	10.87	3.49
	40.0	8.17	3.43	8.62	3.48	9.07	3.53	9.30	3.56	9.97	3.64	10.42	3.69
	43.0	7.90	3.56	8.35	3.61	8.80	3.66	9.02	3.69	9.70	3.77	10.15	3.82
	46.0	7.58	3.47	8.00	3.47	8.40	3.47	8.60	3.47	9.19	3.47	9.57	3.47
2.5+3.5+7.1	22.0	10.01	2.92	10.47	2.97	10.93	3.03	11.15	3.06	11.84	3.14	12.30	3.20
	25.0	9.73	3.02	10.19	3.08	10.65	3.14	10.88	3.16	11.56	3.25	12.02	3.31
	32.0	9.08	3.29	9.54	3.35	10.00	3.40	10.23	3.43	10.92	3.52	11.37	3.57
	35.0	8.80	3.41	9.26	3.47	9.72	3.53	9.95	3.55	10.64	3.64	11.10	3.70
	40.0	8.34	3.63	8.80	3.69	9.26	3.74	9.49	3.77	10.17	3.86	10.63	3.91
	43.0	8.06	3.77	8.52	3.82	8.98	3.88	9.21	3.91	9.87	3.93	10.30	3.93
	46.0	7.73	3.47	8.14	3.47	8.54	3.47	8.73	3.47	9.31	3.47	9.69	3.47

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+5.0+5.0	22.0	9.86	2.85	10.31	2.91	10.76	2.96	10.99	2.99	11.66	3.07	12.12	3.13
	25.0	9.58	2.95	10.04	3.01	10.49	3.07	10.71	3.09	11.39	3.18	11.84	3.23
	32.0	8.95	3.21	9.40	3.27	9.85	3.33	10.07	3.35	10.75	3.44	11.20	3.49
	35.0	8.67	3.33	9.12	3.39	9.57	3.45	9.80	3.47	10.48	3.56	10.93	3.61
	40.0	8.21	3.55	8.67	3.60	9.12	3.66	9.34	3.69	10.02	3.77	10.47	3.83
	43.0	7.94	3.68	8.39	3.74	8.84	3.79	9.07	3.82	9.75	3.91	10.18	3.93
	46.0	7.62	3.47	8.03	3.47	8.42	3.47	8.62	3.47	9.20	3.47	9.57	3.47
2.5+5.0+6.0	22.0	10.06	2.74	10.52	2.79	10.98	2.84	11.21	2.87	11.90	2.95	12.36	3.00
	25.0	9.78	2.83	10.24	2.89	10.70	2.94	10.93	2.97	11.62	3.05	12.08	3.10
	32.0	9.13	3.08	9.59	3.14	10.05	3.19	10.28	3.22	10.97	3.30	11.43	3.35
	35.0	8.85	3.20	9.31	3.25	9.77	3.31	10.00	3.33	10.69	3.41	11.15	3.47
	40.0	8.38	3.40	8.84	3.46	9.30	3.51	9.53	3.54	10.23	3.62	10.69	3.67
	43.0	8.10	3.53	8.56	3.59	9.02	3.64	9.25	3.67	9.95	3.75	10.41	3.80
	46.0	7.77	3.47	8.19	3.47	8.61	3.47	8.81	3.47	9.41	3.47	9.80	3.47
2.5+5.0+7.1	22.0	10.41	2.85	10.89	2.91	11.36	2.96	11.60	2.99	12.32	3.07	12.80	3.13
	25.0	10.12	2.95	10.60	3.01	11.08	3.07	11.31	3.09	12.03	3.18	12.51	3.23
	32.0	9.45	3.21	9.92	3.27	10.40	3.33	10.64	3.35	11.35	3.44	11.83	3.49
	35.0	9.16	3.33	9.63	3.39	10.11	3.45	10.35	3.47	11.07	3.56	11.54	3.61
	40.0	8.68	3.55	9.15	3.60	9.63	3.66	9.87	3.69	10.58	3.77	11.06	3.83
	43.0	8.39	3.68	8.86	3.74	9.34	3.79	9.58	3.82	10.29	3.91	10.75	3.93
	46.0	8.01	3.47	8.43	3.47	8.85	3.47	9.05	3.47	9.65	3.47	10.04	3.47
2.5+6.0+6.0	22.0	10.36	2.91	10.84	2.97	11.31	3.02	11.55	3.05	12.26	3.14	12.73	3.19
	25.0	10.07	3.01	10.55	3.07	11.02	3.13	11.26	3.16	11.97	3.24	12.45	3.30
	32.0	9.40	3.28	9.88	3.34	10.35	3.39	10.59	3.42	11.30	3.51	11.77	3.56
	35.0	9.11	3.40	9.59	3.46	10.06	3.52	10.30	3.54	11.01	3.63	11.49	3.69
	40.0	8.63	3.62	9.11	3.68	9.58	3.73	9.82	3.76	10.53	3.85	11.01	3.90
	43.0	8.35	3.76	8.82	3.81	9.30	3.87	9.53	3.90	10.22	3.93	10.66	3.93
	46.0	7.97	3.47	8.39	3.47	8.80	3.47	9.00	3.47	9.60	3.47	9.98	3.47
2.5+6.0+7.1	22.0	10.51	3.04	10.99	3.10	11.47	3.16	11.72	3.19	12.44	3.28	12.92	3.34
	25.0	10.22	3.15	10.70	3.21	11.18	3.27	11.42	3.30	12.15	3.39	12.63	3.45
	32.0	9.54	3.43	10.02	3.49	10.50	3.55	10.74	3.58	11.46	3.66	11.95	3.72
	35.0	9.25	3.56	9.73	3.62	10.21	3.67	10.45	3.70	11.17	3.79	11.65	3.85
	40.0	8.76	3.78	9.24	3.84	9.72	3.90	9.96	3.93	10.69	4.02	11.17	4.08
	43.0	8.47	3.93	8.94	3.93	9.41	3.93	9.63	3.93	10.31	3.93	10.74	3.93
	46.0	8.09	3.47	8.51	3.47	8.91	3.47	9.11	3.47	9.70	3.47	10.08	3.47
3.5+3.5+3.5	22.0	9.35	3.14	9.78	3.20	10.21	3.26	10.43	3.29	11.07	3.38	11.50	3.44
	25.0	9.09	3.25	9.52	3.31	9.95	3.37	10.17	3.40	10.81	3.50	11.24	3.56
	32.0	8.49	3.54	8.92	3.60	9.35	3.66	9.56	3.69	10.20	3.78	10.63	3.84
	35.0	8.23	3.67	8.66	3.73	9.09	3.79	9.30	3.82	9.94	3.92	10.37	3.98
	40.0	7.80	3.91	8.22	3.97	8.65	4.03	8.87	4.06	9.51	4.15	9.94	4.21
	43.0	7.54	3.93	7.96	3.93	8.39	3.93	8.61	3.93	9.24	3.93	9.63	3.93
	46.0	7.28	3.47	7.70	3.47	8.12	3.47	8.31	3.47	8.84	3.47	9.19	3.47
3.5+3.5+5.0	22.0	9.81	3.27	10.26	3.33	10.71	3.40	10.93	3.43	11.60	3.53	12.05	3.59
	25.0	9.53	3.39	9.98	3.45	10.43	3.52	10.66	3.55	11.33	3.64	11.78	3.71
	32.0	8.90	3.69	9.35	3.75	9.80	3.81	10.02	3.85	10.70	3.94	11.15	4.01
	35.0	8.63	3.83	9.08	3.89	9.53	3.95	9.75	3.98	10.42	4.08	10.87	4.14
	40.0	8.17	4.07	8.62	4.13	9.07	4.20	9.30	4.23	9.97	4.32	10.42	4.39
	43.0	7.90	3.93	8.35	3.93	8.80	3.93	9.02	3.93	9.67	3.93	10.08	3.93
	46.0	7.63	3.47	8.08	3.47	8.50	3.47	8.69	3.47	9.23	3.47	9.59	3.47
3.5+3.5+6.0	22.0	10.01	2.92	10.47	2.97	10.93	3.03	11.15	3.06	11.84	3.14	12.30	3.20
	25.0	9.73	3.02	10.19	3.08	10.65	3.14	10.88	3.16	11.56	3.25	12.02	3.31
	32.0	9.08	3.29	9.54	3.35	10.00	3.40	10.23	3.43	10.92	3.52	11.37	3.57
	35.0	8.80	3.41	9.26	3.47	9.72	3.53	9.95	3.55	10.64	3.64	11.10	3.70
	40.0	8.34	3.63	8.80	3.69	9.26	3.74	9.49	3.77	10.17	3.86	10.63	3.91
	43.0	8.06	3.77	8.52	3.82	8.98	3.88	9.21	3.91	9.87	3.93	10.30	3.93
	46.0	7.73	3.47	8.14	3.47	8.54	3.47	8.73	3.47	9.31	3.47	9.69	3.47
3.5+3.5+7.1	22.0	10.36	3.24	10.84	3.30	11.31	3.36	11.55	3.40	12.26	3.49	12.73	3.55
	25.0	10.07	3.35	10.55	3.42	11.02	3.48	11.26	3.51	11.97	3.61	12.45	3.67
	32.0	9.40	3.65	9.88	3.71	10.35	3.78	10.59	3.81	11.30	3.90	11.77	3.96
	35.0	9.11	3.79	9.59	3.85	10.06	3.91	10.30	3.94	11.01	4.04	11.49	4.10
	40.0	8.63	4.03	9.11	4.09	9.58	4.15	9.82	4.19	10.53	4.28	11.01	4.34
	43.0	8.35	3.93	8.82	3.93	9.28	3.93	9.50	3.93	10.15	3.93	10.57	3.93
	46.0	8.06	3.47	8.47	3.47	8.86	3.47	9.05	3.47	9.62	3.47	9.99	3.47

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+5.0+5.0	22.0	10.26	3.21	10.73	3.28	11.20	3.34	11.43	3.37	12.14	3.46	12.61	3.53
	25.0	9.98	3.33	10.44	3.39	10.91	3.45	11.15	3.49	11.85	3.58	12.32	3.64
	32.0	9.31	3.62	9.78	3.68	10.25	3.75	10.48	3.78	11.19	3.87	11.66	3.93
	35.0	9.03	3.76	9.50	3.82	9.97	3.88	10.20	3.91	10.90	4.01	11.37	4.07
	40.0	8.55	4.00	9.02	4.06	9.49	4.12	9.73	4.15	10.43	4.25	10.90	4.31
	43.0	8.27	3.93	8.74	3.93	9.19	3.93	9.41	3.93	10.06	3.93	10.48	3.93
	46.0	7.98	3.47	8.39	3.47	8.78	3.47	8.97	3.47	9.54	3.47	9.91	3.47
3.5+5.0+6.0	22.0	10.36	3.14	10.84	3.20	11.31	3.26	11.55	3.29	12.26	3.38	12.73	3.44
	25.0	10.07	3.25	10.55	3.31	11.02	3.37	11.26	3.40	11.97	3.50	12.45	3.56
	32.0	9.40	3.54	9.88	3.60	10.35	3.66	10.59	3.69	11.30	3.78	11.77	3.84
	35.0	9.11	3.67	9.59	3.73	10.06	3.79	10.30	3.82	11.01	3.92	11.49	3.98
	40.0	8.63	3.91	9.11	3.97	9.58	4.03	9.82	4.06	10.53	4.15	11.01	4.21
	43.0	8.35	3.93	8.82	3.93	9.27	3.93	9.49	3.93	10.15	3.93	10.57	3.93
	46.0	8.02	3.47	8.43	3.47	8.82	3.47	9.02	3.47	9.59	3.47	9.97	3.47
3.5+5.0+7.1	22.0	10.51	3.11	10.99	3.17	11.47	3.23	11.72	3.26	12.44	3.35	12.92	3.41
	25.0	10.22	3.22	10.70	3.28	11.18	3.34	11.42	3.37	12.15	3.46	12.63	3.52
	32.0	9.54	3.50	10.02	3.56	10.50	3.62	10.74	3.65	11.46	3.74	11.95	3.80
	35.0	9.25	3.63	9.73	3.69	10.21	3.75	10.45	3.78	11.17	3.87	11.65	3.94
	40.0	8.76	3.86	9.24	3.93	9.72	3.99	9.96	4.02	10.69	4.11	11.17	4.17
	43.0	8.47	3.93	8.94	3.93	9.40	3.93	9.62	3.93	10.29	3.93	10.72	3.93
	46.0	8.11	3.47	8.52	3.47	8.92	3.47	9.12	3.47	9.70	3.47	10.08	3.47
3.5+6.0+6.0	22.0	10.46	3.08	10.94	3.14	11.42	3.20	11.66	3.23	12.38	3.32	12.86	3.38
	25.0	10.17	3.19	10.65	3.25	11.13	3.31	11.37	3.34	12.09	3.43	12.57	3.49
	32.0	9.49	3.47	9.97	3.53	10.45	3.59	10.69	3.62	11.41	3.71	11.89	3.77
	35.0	9.20	3.60	9.68	3.66	10.16	3.72	10.40	3.75	11.12	3.84	11.60	3.90
	40.0	8.72	3.83	9.20	3.89	9.68	3.95	9.92	3.98	10.63	4.07	11.11	4.13
	43.0	8.43	3.93	8.90	3.93	9.36	3.93	9.58	3.93	10.25	3.93	10.68	3.93
	46.0	8.07	3.47	8.48	3.47	8.88	3.47	9.08	3.47	9.66	3.47	10.04	3.47
5.0+5.0+5.0	22.0	10.41	3.09	10.89	3.15	11.36	3.21	11.60	3.24	12.32	3.33	12.80	3.39
	25.0	10.12	3.20	10.60	3.26	11.08	3.32	11.31	3.35	12.03	3.44	12.51	3.50
	32.0	9.45	3.48	9.92	3.54	10.40	3.60	10.64	3.63	11.35	3.72	11.83	3.78
	35.0	9.16	3.61	9.63	3.67	10.11	3.73	10.35	3.76	11.07	3.85	11.54	3.91
	40.0	8.68	3.84	9.15	3.90	9.63	3.96	9.87	3.99	10.58	4.09	11.06	4.15
	43.0	8.39	3.93	8.86	3.93	9.31	3.93	9.54	3.93	10.20	3.93	10.63	3.93
	46.0	8.04	3.47	8.45	3.47	8.85	3.47	9.04	3.47	9.62	3.47	10.00	3.47
2.5+2.5+2.5+2.5	22.0	9.51	2.65	9.94	2.70	10.38	2.75	10.59	2.78	11.25	2.85	11.68	2.90
	25.0	9.24	2.74	9.68	2.79	10.11	2.84	10.33	2.87	10.98	2.95	11.42	3.00
	32.0	8.63	2.98	9.06	3.03	9.50	3.09	9.71	3.11	10.37	3.19	10.80	3.24
	35.0	8.36	3.09	8.80	3.15	9.23	3.20	9.45	3.22	10.10	3.30	10.54	3.35
	40.0	7.92	3.29	8.36	3.34	8.79	3.40	9.01	3.42	9.66	3.50	10.10	3.55
	43.0	7.66	3.42	8.09	3.47	8.53	3.52	8.75	3.55	9.40	3.62	9.83	3.68
	46.0	7.38	3.47	7.79	3.47	8.19	3.47	8.39	3.47	8.97	3.47	9.35	3.47
2.5+2.5+2.5+3.5	22.0	9.76	2.84	10.20	2.90	10.65	2.95	10.87	2.98	11.54	3.06	11.99	3.12
	25.0	9.49	2.95	9.93	3.00	10.38	3.06	10.60	3.08	11.27	3.17	11.72	3.22
	32.0	8.85	3.21	9.30	3.26	9.75	3.32	9.97	3.34	10.64	3.43	11.09	3.48
	35.0	8.58	3.33	9.03	3.38	9.48	3.44	9.70	3.46	10.37	3.55	10.82	3.60
	40.0	8.13	3.54	8.58	3.59	9.02	3.65	9.25	3.68	9.92	3.76	10.37	3.81
	43.0	7.86	3.67	8.31	3.73	8.75	3.78	8.98	3.81	9.65	3.89	10.09	3.93
	46.0	7.55	3.47	7.95	3.47	8.35	3.47	8.54	3.47	9.12	3.47	9.49	3.47
2.5+2.5+2.5+5.0	22.0	10.16	2.88	10.62	2.94	11.09	3.00	11.32	3.03	12.02	3.11	12.49	3.17
	25.0	9.88	2.99	10.34	3.04	10.81	3.10	11.04	3.13	11.74	3.21	12.20	3.27
	32.0	9.22	3.25	9.68	3.31	10.15	3.36	10.38	3.39	11.08	3.48	11.55	3.53
	35.0	8.94	3.37	9.40	3.43	9.87	3.49	10.10	3.51	10.80	3.60	11.26	3.65
	40.0	8.47	3.59	8.93	3.65	9.40	3.70	9.63	3.73	10.33	3.81	10.79	3.87
	43.0	8.18	3.73	8.65	3.78	9.11	3.84	9.35	3.87	10.04	3.93	10.47	3.93
	46.0	7.83	3.47	8.25	3.47	8.65	3.47	8.85	3.47	9.44	3.47	9.82	3.47
2.5+2.5+2.5+6.0	22.0	10.26	2.91	10.73	2.97	11.20	3.02	11.43	3.05	12.14	3.14	12.61	3.19
	25.0	9.98	3.01	10.44	3.07	10.91	3.13	11.15	3.16	11.85	3.24	12.32	3.30
	32.0	9.31	3.28	9.78	3.34	10.25	3.39	10.48	3.42	11.19	3.51	11.66	3.56
	35.0	9.03	3.40	9.50	3.46	9.97	3.52	10.20	3.54	10.90	3.63	11.37	3.69
	40.0	8.55	3.62	9.02	3.68	9.49	3.73	9.73	3.76	10.43	3.85	10.90	3.90
	43.0	8.27	3.76	8.74	3.81	9.21	3.87	9.44	3.90	10.12	3.93	10.56	3.93
	46.0	7.90	3.47	8.32	3.47	8.73	3.47	8.93	3.47	9.52	3.47	9.90	3.47

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+2.5+7.1	22.0	10.36	3.07	10.84	3.13	11.31	3.19	11.55	3.22	12.26	3.31	12.73	3.37
	25.0	10.07	3.18	10.55	3.24	11.02	3.30	11.26	3.33	11.97	3.42	12.45	3.48
	32.0	9.40	3.46	9.88	3.52	10.35	3.58	10.59	3.61	11.30	3.70	11.77	3.76
	35.0	9.11	3.59	9.59	3.65	10.06	3.71	10.30	3.74	11.01	3.83	11.49	3.89
	40.0	8.63	3.82	9.11	3.88	9.58	3.94	9.82	3.97	10.53	4.06	11.01	4.12
	43.0	8.35	3.93	8.81	3.93	9.27	3.93	9.50	3.93	10.16	3.93	10.59	3.93
	46.0	8.00	3.47	8.41	3.47	8.81	3.47	9.01	3.47	9.58	3.47	9.96	3.47
2.5+2.5+3.5+3.5	22.0	9.96	2.84	10.41	2.90	10.87	2.95	11.10	2.98	11.78	3.06	12.24	3.12
	25.0	9.68	2.95	10.14	3.00	10.59	3.06	10.82	3.08	11.51	3.17	11.96	3.22
	32.0	9.04	3.21	9.49	3.26	9.95	3.32	10.18	3.34	10.86	3.43	11.32	3.48
	35.0	8.76	3.33	9.22	3.38	9.67	3.44	9.90	3.46	10.58	3.55	11.04	3.60
	40.0	8.30	3.54	8.75	3.59	9.21	3.65	9.44	3.68	10.12	3.76	10.58	3.81
	43.0	8.02	3.67	8.48	3.73	8.93	3.78	9.16	3.81	9.85	3.89	10.29	3.93
	46.0	7.69	3.47	8.10	3.47	8.50	3.47	8.70	3.47	9.28	3.47	9.66	3.47
2.5+2.5+3.5+5.0	22.0	10.31	3.09	10.78	3.15	11.25	3.21	11.49	3.24	12.20	3.33	12.67	3.39
	25.0	10.02	3.20	10.50	3.26	10.97	3.32	11.20	3.35	11.91	3.44	12.39	3.50
	32.0	9.36	3.48	9.83	3.54	10.30	3.60	10.54	3.63	11.24	3.72	11.72	3.78
	35.0	9.07	3.61	9.54	3.67	10.01	3.73	10.25	3.76	10.96	3.85	11.43	3.91
	40.0	8.59	3.84	9.06	3.90	9.54	3.96	9.77	3.99	10.48	4.09	10.95	4.15
	43.0	8.31	3.93	8.77	3.93	9.23	3.93	9.45	3.93	10.11	3.93	10.53	3.93
	46.0	7.97	3.47	8.38	3.47	8.78	3.47	8.97	3.47	9.55	3.47	9.92	3.47
2.5+2.5+3.5+6.0	22.0	10.46	3.11	10.94	3.18	11.42	3.24	11.66	3.27	12.38	3.36	12.86	3.42
	25.0	10.17	3.23	10.65	3.29	11.13	3.35	11.37	3.38	12.09	3.47	12.57	3.53
	32.0	9.49	3.51	9.97	3.57	10.45	3.63	10.69	3.66	11.41	3.75	11.89	3.81
	35.0	9.20	3.64	9.68	3.70	10.16	3.76	10.40	3.79	11.12	3.88	11.60	3.95
	40.0	8.72	3.88	9.20	3.94	9.68	4.00	9.92	4.03	10.63	4.12	11.11	4.18
	43.0	8.43	3.93	8.90	3.93	9.35	3.93	9.58	3.93	10.24	3.93	10.67	3.93
	46.0	8.08	3.47	8.49	3.47	8.89	3.47	9.09	3.47	9.67	3.47	10.04	3.47
2.5+2.5+3.5+7.1	22.0	10.56	3.07	11.05	3.13	11.53	3.19	11.77	3.22	12.50	3.31	12.98	3.37
	25.0	10.27	3.18	10.75	3.24	11.24	3.30	11.48	3.33	12.20	3.42	12.69	3.48
	32.0	9.58	3.46	10.07	3.52	10.55	3.58	10.79	3.61	11.52	3.70	12.00	3.76
	35.0	9.29	3.59	9.77	3.65	10.26	3.71	10.50	3.74	11.23	3.83	11.71	3.89
	40.0	8.80	3.82	9.29	3.88	9.77	3.94	10.01	3.97	10.74	4.06	11.22	4.12
	43.0	8.51	3.93	8.98	3.93	9.44	3.93	9.67	3.93	10.34	3.93	10.78	3.93
	46.0	8.13	3.47	8.55	3.47	8.95	3.47	9.15	3.47	9.74	3.47	10.12	3.47
2.5+2.5+5.0+5.0	22.0	10.51	3.09	10.99	3.15	11.47	3.21	11.72	3.24	12.44	3.33	12.92	3.39
	25.0	10.22	3.20	10.70	3.26	11.18	3.32	11.42	3.35	12.15	3.44	12.63	3.50
	32.0	9.54	3.48	10.02	3.54	10.50	3.60	10.74	3.63	11.46	3.72	11.95	3.78
	35.0	9.25	3.61	9.73	3.67	10.21	3.73	10.45	3.76	11.17	3.85	11.65	3.91
	40.0	8.76	3.84	9.24	3.90	9.72	3.96	9.96	3.99	10.69	4.09	11.17	4.15
	43.0	8.47	3.93	8.94	3.93	9.40	3.93	9.63	3.93	10.29	3.93	10.72	3.93
	46.0	8.10	3.47	8.52	3.47	8.92	3.47	9.12	3.47	9.70	3.47	10.08	3.47
2.5+3.5+3.5+3.5	22.0	10.06	3.02	10.52	3.07	10.98	3.13	11.21	3.16	11.90	3.25	12.36	3.31
	25.0	9.78	3.12	10.24	3.18	10.70	3.24	10.93	3.27	11.62	3.36	12.08	3.42
	32.0	9.13	3.40	9.59	3.46	10.05	3.52	10.28	3.55	10.97	3.63	11.43	3.69
	35.0	8.85	3.53	9.31	3.59	9.77	3.64	10.00	3.67	10.69	3.76	11.15	3.82
	40.0	8.38	3.75	8.84	3.81	9.30	3.87	9.53	3.90	10.23	3.99	10.69	4.05
	43.0	8.10	3.90	8.56	3.93	9.01	3.93	9.24	3.93	9.89	3.93	10.31	3.93
	46.0	7.79	3.47	8.19	3.47	8.58	3.47	8.78	3.47	9.35	3.47	9.72	3.47
2.5+3.5+3.5+5.0	22.0	10.36	3.05	10.84	3.11	11.31	3.17	11.55	3.20	12.26	3.29	12.73	3.35
	25.0	10.07	3.16	10.55	3.22	11.02	3.28	11.26	3.31	11.97	3.40	12.45	3.46
	32.0	9.40	3.44	9.88	3.50	10.35	3.56	10.59	3.59	11.30	3.67	11.77	3.73
	35.0	9.11	3.57	9.59	3.62	10.06	3.68	10.30	3.71	11.01	3.80	11.49	3.86
	40.0	8.63	3.79	9.11	3.85	9.58	3.91	9.82	3.94	10.53	4.03	11.01	4.09
	43.0	8.35	3.93	8.81	3.93	9.27	3.93	9.50	3.93	10.16	3.93	10.59	3.93
	46.0	7.99	3.47	8.40	3.47	8.81	3.47	9.00	3.47	9.58	3.47	9.96	3.47
2.5+3.5+3.5+6.0	22.0	10.46	3.08	10.94	3.14	11.42	3.20	11.66	3.23	12.38	3.32	12.86	3.38
	25.0	10.17	3.19	10.65	3.25	11.13	3.31	11.37	3.34	12.09	3.43	12.57	3.49
	32.0	9.49	3.47	9.97	3.53	10.45	3.59	10.69	3.62	11.41	3.71	11.89	3.77
	35.0	9.20	3.60	9.68	3.66	10.16	3.72	10.40	3.75	11.12	3.84	11.60	3.90
	40.0	8.72	3.83	9.20	3.89	9.68	3.95	9.92	3.98	10.63	4.07	11.11	4.13
	43.0	8.43	3.93	8.90	3.93	9.36	3.93	9.58	3.93	10.25	3.93	10.68	3.93
	46.0	8.07	3.47	8.48	3.47	8.88	3.47	9.08	3.47	9.66	3.47	10.04	3.47

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+3.5+3.5+3.5	22.0	10.16	3.21	10.62	3.27	11.09	3.33	11.32	3.36	12.02	3.45	12.49	3.52
	25.0	9.88	3.32	10.34	3.38	10.81	3.45	11.04	3.48	11.74	3.57	12.20	3.63
	32.0	9.22	3.61	9.68	3.68	10.15	3.74	10.38	3.77	11.08	3.86	11.55	3.92
	35.0	8.94	3.75	9.40	3.81	9.87	3.87	10.10	3.90	10.80	4.00	11.26	4.06
	40.0	8.47	3.99	8.93	4.05	9.40	4.11	9.63	4.14	10.33	4.24	10.79	4.30
	43.0	8.18	3.93	8.65	3.93	9.11	3.93	9.33	3.93	9.97	3.93	10.38	3.93
	46.0	7.90	3.47	8.32	3.47	8.71	3.47	8.90	3.47	9.46	3.47	9.83	3.47
3.5+3.5+3.5+5.0	22.0	10.46	3.14	10.94	3.20	11.42	3.26	11.66	3.29	12.38	3.38	12.86	3.44
	25.0	10.17	3.25	10.65	3.31	11.13	3.37	11.37	3.40	12.09	3.50	12.57	3.56
	32.0	9.49	3.54	9.97	3.60	10.45	3.66	10.69	3.69	11.41	3.78	11.89	3.84
	35.0	9.20	3.67	9.68	3.73	10.16	3.79	10.40	3.82	11.12	3.92	11.60	3.98
	40.0	8.72	3.91	9.20	3.97	9.68	4.03	9.92	4.06	10.63	4.15	11.11	4.21
	43.0	8.43	3.93	8.90	3.93	9.35	3.93	9.58	3.93	10.24	3.93	10.67	3.93
	46.0	8.09	3.47	8.50	3.47	8.89	3.47	9.09	3.47	9.67	3.47	10.04	3.47

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5 kW class; FTKD25DVM 3.5 kW class; FTKD35DVM
5.0 kW class; FTKD50FVM 6.0 kW class; FTKD60FVM
7.1 kW class; FTKD71FVM

3D050055#1
3D050055#2
3D050055#3
3D050055#4
3D050055#5

[Cooling Capacity 50Hz 240V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22.0	3.29	0.75	3.79	0.88	3.95	0.90	4.04	0.90	4.28	0.93	4.45	0.95
	25.0	3.29	0.81	3.69	0.91	3.85	0.93	3.94	0.94	4.18	0.96	4.35	0.98
	32.0	3.29	0.97	3.45	0.99	3.62	1.01	3.70	1.01	3.95	1.04	4.12	1.06
	35.0	3.19	1.01	3.35	1.03	3.52	1.04	3.60	1.05	3.85	1.08	4.01	1.09
	40.0	3.02	1.07	3.18	1.09	3.35	1.11	3.43	1.12	3.68	1.14	3.85	1.16
	43.0	2.92	1.11	3.08	1.13	3.25	1.15	3.33	1.16	3.58	1.18	3.75	1.20
	46.0	2.82	1.16	2.98	1.17	3.15	1.19	3.23	1.20	3.48	1.22	3.65	1.24
3.5	22.0	3.33	0.79	4.09	1.01	4.91	1.29	5.04	1.32	5.36	1.36	5.56	1.38
	25.0	3.33	0.84	4.09	1.09	4.82	1.35	4.92	1.36	5.23	1.40	5.44	1.42
	32.0	3.33	1.01	4.09	1.31	4.52	1.47	4.63	1.48	4.94	1.52	5.14	1.54
	35.0	3.33	1.09	4.09	1.43	4.40	1.52	4.50	1.53	4.81	1.57	5.02	1.59
	40.0	3.33	1.26	3.98	1.59	4.19	1.61	4.29	1.63	4.60	1.66	4.81	1.69
	43.0	3.33	1.38	3.85	1.65	4.06	1.67	4.16	1.69	4.48	1.72	4.68	1.75
	46.0	3.33	1.52	3.73	1.71	3.94	1.73	4.04	1.75	4.35	1.78	4.56	1.81
5.0	22.0	5.97	1.87	6.52	2.09	6.81	2.13	6.95	2.15	7.38	2.21	7.66	2.25
	25.0	5.97	2.05	6.35	2.16	6.63	2.20	6.78	2.22	7.21	2.28	7.49	2.32
	32.0	5.66	2.31	5.94	2.35	6.23	2.39	6.37	2.41	6.80	2.47	7.09	2.51
	35.0	5.49	2.39	5.77	2.43	6.06	2.47	6.20	2.49	6.63	2.55	6.91	2.59
	40.0	5.20	2.55	5.48	2.59	5.77	2.63	5.91	2.65	6.34	2.71	6.63	2.75
	43.0	5.02	2.64	5.31	2.68	5.60	2.72	5.74	2.74	6.17	2.80	6.45	2.84
	46.0	4.85	2.74	5.14	2.78	5.42	2.82	5.56	2.84	5.99	2.90	6.28	2.94
6.0	22.0	6.56	1.80	7.05	1.94	7.36	1.97	7.51	1.99	7.97	2.05	8.28	2.08
	25.0	6.55	1.97	6.86	2.00	7.17	2.04	7.32	2.06	7.79	2.11	8.10	2.15
	32.0	6.12	2.14	6.42	2.18	6.73	2.21	6.89	2.23	7.35	2.29	7.66	2.32
	35.0	5.93	2.22	6.24	2.26	6.55	2.29	6.70	2.31	7.16	2.37	7.47	2.40
	40.0	5.62	2.36	5.93	2.40	6.23	2.44	6.39	2.45	6.85	2.51	7.16	2.55
	43.0	5.43	2.45	5.74	2.49	6.05	2.53	6.20	2.54	6.66	2.60	6.97	2.64
	46.0	5.24	2.55	5.55	2.58	5.86	2.62	6.01	2.64	6.48	2.69	6.79	2.73
7.1	22.0	6.57	1.85	7.57	2.31	7.91	2.36	8.07	2.38	8.57	2.44	8.90	2.49
	25.0	6.57	2.03	7.37	2.39	7.70	2.44	7.87	2.46	8.37	2.53	8.70	2.57
	32.0	6.57	2.56	6.90	2.60	7.24	2.64	7.40	2.67	7.90	2.73	8.23	2.78
	35.0	6.37	2.65	6.70	2.70	7.03	2.74	7.20	2.76	7.70	2.83	8.03	2.87
	40.0	6.04	2.82	6.37	2.87	6.70	2.91	6.86	2.93	7.36	3.00	7.69	3.04
	43.0	5.83	2.93	6.17	2.97	6.50	3.02	6.66	3.04	7.16	3.11	7.49	3.15
	46.0	5.63	3.04	5.96	3.09	6.30	3.13	6.46	3.15	6.96	3.22	7.29	3.26

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5	22.0	6.59	1.97	7.05	2.10	7.36	2.14	7.51	2.16	7.97	2.22	8.28	2.26
	25.0	6.55	2.14	6.86	2.18	7.17	2.22	7.32	2.24	7.79	2.30	8.10	2.34
	32.0	6.12	2.33	6.42	2.37	6.73	2.41	6.89	2.43	7.35	2.49	7.66	2.53
	35.0	5.93	2.41	6.24	2.45	6.55	2.49	6.70	2.51	7.16	2.57	7.47	2.61
	40.0	5.62	2.57	5.93	2.61	6.23	2.65	6.39	2.67	6.85	2.73	7.16	2.77
	43.0	5.43	2.66	5.74	2.70	6.05	2.74	6.20	2.76	6.66	2.82	6.97	2.86
	46.0	5.24	2.77	5.55	2.81	5.86	2.85	6.01	2.87	6.48	2.93	6.79	2.97
2.5+3.5	22.0	6.62	2.03	7.36	2.36	7.69	2.41	7.85	2.43	8.33	2.50	8.65	2.54
	25.0	6.62	2.23	7.17	2.45	7.49	2.49	7.65	2.51	8.14	2.58	8.46	2.63
	32.0	6.39	2.61	6.71	2.66	7.03	2.70	7.20	2.72	7.68	2.79	8.00	2.84
	35.0	6.19	2.71	6.52	2.76	6.84	2.80	7.00	2.82	7.48	2.89	7.81	2.94
	40.0	5.87	2.88	6.19	2.93	6.51	2.97	6.67	3.00	7.16	3.06	7.48	3.11
	43.0	5.67	2.99	5.99	3.04	6.32	3.08	6.48	3.11	6.96	3.17	7.28	3.22
	46.0	5.48	3.11	5.80	3.15	6.12	3.20	6.28	3.22	6.77	3.29	7.09	3.33
2.5+5.0	22.0	8.25	2.84	8.63	2.90	9.00	2.95	9.19	2.98	9.76	3.06	10.14	3.12
	25.0	8.02	2.95	8.40	3.00	8.77	3.06	8.96	3.08	9.53	3.17	9.91	3.22
	32.0	7.48	3.21	7.86	3.26	8.24	3.32	8.43	3.34	9.00	3.43	9.37	3.48
	35.0	7.26	3.33	7.63	3.38	8.01	3.44	8.20	3.46	8.77	3.55	9.14	3.60
	40.0	6.87	3.54	7.25	3.59	7.63	3.65	7.82	3.68	8.38	3.76	8.76	3.81
	43.0	6.64	3.67	7.02	3.73	7.40	3.78	7.59	3.81	8.16	3.89	8.53	3.95
	46.0	6.42	3.62	6.79	3.62	7.17	3.62	7.36	3.62	7.92	3.62	8.27	3.62
2.5+6.0	22.0	8.65	2.52	9.05	2.57	9.44	2.62	9.64	2.65	10.24	2.72	10.63	2.77
	25.0	8.41	2.61	8.81	2.66	9.20	2.71	9.40	2.74	10.00	2.81	10.39	2.86
	32.0	7.85	2.84	8.25	2.89	8.64	2.94	8.84	2.97	9.43	3.04	9.83	3.09
	35.0	7.61	2.95	8.01	3.00	8.40	3.05	8.60	3.07	9.19	3.15	9.59	3.20
	40.0	7.21	3.14	7.61	3.19	8.00	3.24	8.20	3.26	8.79	3.34	9.19	3.38
	43.0	6.97	3.26	7.36	3.31	7.76	3.36	7.96	3.38	8.55	3.45	8.95	3.50
	46.0	6.73	3.38	7.12	3.43	7.52	3.48	7.72	3.51	8.31	3.58	8.70	3.62
2.5+7.1	22.0	8.85	2.69	9.26	2.74	9.66	2.79	9.87	2.82	10.47	2.90	10.88	2.95
	25.0	8.61	2.78	9.01	2.84	9.42	2.89	9.62	2.91	10.23	2.99	10.63	3.05
	32.0	8.03	3.03	8.44	3.08	8.84	3.13	9.05	3.16	9.65	3.24	10.06	3.29
	35.0	7.79	3.14	8.19	3.19	8.60	3.25	8.80	3.27	9.41	3.35	9.81	3.40
	40.0	7.38	3.34	7.78	3.40	8.19	3.45	8.39	3.47	9.00	3.55	9.40	3.61
	43.0	7.13	3.47	7.54	3.52	7.94	3.58	8.14	3.60	8.75	3.68	9.16	3.73
	46.0	6.88	3.60	7.29	3.62	7.68	3.62	7.88	3.62	8.45	3.62	8.82	3.62
3.5+3.5	22.0	6.66	2.18	8.10	3.18	8.45	3.24	8.63	3.27	9.16	3.36	9.52	3.42
	25.0	6.66	2.38	7.88	3.29	8.24	3.35	8.42	3.38	8.95	3.47	9.30	3.53
	32.0	6.66	3.03	7.38	3.57	7.74	3.63	7.92	3.66	8.45	3.75	8.80	3.81
	35.0	6.66	3.41	7.17	3.70	7.52	3.76	7.70	3.79	8.23	3.88	8.59	3.95
	40.0	6.45	3.88	6.81	3.94	7.16	4.00	7.34	4.03	7.87	4.12	8.23	4.18
	43.0	6.24	4.02	6.59	4.08	6.95	4.10	7.13	4.10	7.66	4.10	8.01	4.10
	46.0	6.02	3.62	6.38	3.62	6.73	3.62	6.91	3.62	7.44	3.62	7.80	3.62
3.5+5.0	22.0	8.55	3.21	8.94	3.27	9.33	3.33	9.53	3.36	10.12	3.45	10.51	3.52
	25.0	8.31	3.32	8.70	3.38	9.10	3.45	9.29	3.48	9.88	3.57	10.27	3.63
	32.0	7.76	3.61	8.15	3.68	8.54	3.74	8.74	3.77	9.32	3.86	9.72	3.92
	35.0	7.52	3.75	7.91	3.81	8.30	3.87	8.50	3.90	9.09	4.00	9.48	4.06
	40.0	7.13	3.99	7.52	4.05	7.91	4.11	8.10	4.14	8.69	4.24	9.08	4.30
	43.0	6.89	4.10	7.28	4.10	7.67	4.10	7.87	4.10	8.45	4.10	8.85	4.10
	46.0	6.65	3.62	7.04	3.62	7.43	3.62	7.63	3.62	8.22	3.62	8.61	3.62
3.5+6.0	22.0	8.75	2.61	9.15	2.66	9.55	2.71	9.75	2.73	10.35	2.81	10.76	2.86
	25.0	8.51	2.70	8.91	2.75	9.31	2.80	9.51	2.83	10.11	2.90	10.51	2.95
	32.0	7.94	2.94	8.34	2.99	8.74	3.04	8.94	3.06	9.54	3.14	9.95	3.19
	35.0	7.70	3.05	8.10	3.10	8.50	3.15	8.70	3.17	9.30	3.25	9.70	3.30
	40.0	7.29	3.24	7.69	3.29	8.09	3.34	8.29	3.37	8.90	3.44	9.30	3.49
	43.0	7.05	3.36	7.45	3.42	7.85	3.47	8.05	3.49	8.65	3.57	9.05	3.62
	46.0	6.81	3.49	7.21	3.54	7.61	3.59	7.81	3.62	8.38	3.62	8.76	3.62
3.5+7.1	22.0	9.30	3.13	9.73	3.19	10.16	3.25	10.37	3.28	11.01	3.37	11.44	3.44
	25.0	9.05	3.24	9.47	3.30	9.90	3.37	10.11	3.40	10.75	3.49	11.18	3.55
	32.0	8.44	3.53	8.87	3.59	9.30	3.65	9.51	3.68	10.15	3.77	10.57	3.83
	35.0	8.18	3.66	8.61	3.72	9.04	3.78	9.25	3.81	9.89	3.91	10.32	3.97
	40.0	7.75	3.90	8.18	3.96	8.61	4.02	8.82	4.05	9.46	4.14	9.88	4.20
	43.0	7.50	4.04	7.92	4.10	8.35	4.10	8.56	4.10	9.20	4.10	9.63	4.10
	46.0	7.24	3.62	7.66	3.62	8.09	3.62	8.30	3.62	8.89	3.62	9.25	3.62

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
5.0+5.0	22.0	9.05	2.99	9.47	3.05	9.88	3.11	10.09	3.14	10.71	3.22	11.13	3.28
	25.0	8.80	3.10	9.22	3.16	9.63	3.22	9.84	3.24	10.46	3.33	10.87	3.39
	32.0	8.21	3.37	8.63	3.43	9.04	3.49	9.25	3.52	9.87	3.60	10.29	3.66
	35.0	7.96	3.50	8.38	3.56	8.79	3.61	9.00	3.64	9.62	3.73	10.04	3.79
	40.0	7.54	3.72	7.96	3.78	8.37	3.84	8.58	3.87	9.20	3.95	9.62	4.01
	43.0	7.29	3.86	7.71	3.92	8.12	3.98	8.33	4.01	8.95	4.10	9.36	4.10
	46.0	7.04	3.62	7.46	3.62	7.87	3.62	8.08	3.62	8.64	3.62	9.00	3.62
5.0+6.0	22.0	9.56	2.83	9.99	2.88	10.43	2.94	10.65	2.96	11.31	3.05	11.74	3.10
	25.0	9.29	2.93	9.73	2.98	10.17	3.04	10.38	3.07	11.04	3.15	11.48	3.20
	32.0	8.67	3.19	9.11	3.24	9.55	3.30	9.77	3.32	10.42	3.41	10.86	3.46
	35.0	8.41	3.31	8.84	3.36	9.28	3.42	9.50	3.44	10.16	3.53	10.59	3.58
	40.0	7.96	3.52	8.40	3.57	8.84	3.63	9.06	3.65	9.71	3.74	10.15	3.79
	43.0	7.70	3.65	8.14	3.71	8.57	3.76	8.79	3.79	9.45	3.87	9.89	3.93
	46.0	7.43	3.62	7.85	3.62	8.26	3.62	8.46	3.62	9.05	3.62	9.43	3.62
5.0+7.1	22.0	9.66	2.91	10.10	2.97	10.54	3.02	10.76	3.05	11.43	3.14	11.87	3.19
	25.0	9.39	3.01	9.83	3.07	10.27	3.13	10.49	3.16	11.16	3.24	11.60	3.30
	32.0	8.76	3.28	9.20	3.34	9.65	3.39	9.87	3.42	10.53	3.51	10.97	3.56
	35.0	8.49	3.40	8.94	3.46	9.38	3.52	9.60	3.54	10.26	3.63	10.71	3.69
	40.0	8.05	3.62	8.49	3.68	8.93	3.73	9.15	3.76	9.82	3.85	10.26	3.90
	43.0	7.78	3.76	8.22	3.81	8.66	3.87	8.88	3.90	9.55	3.98	9.99	4.04
	46.0	7.51	3.62	7.93	3.62	8.34	3.62	8.54	3.62	9.13	3.62	9.51	3.62
6.0+6.0	22.0	9.76	2.62	10.20	2.67	10.65	2.72	10.87	2.75	11.54	2.83	11.99	2.88
	25.0	9.49	2.72	9.93	2.77	10.38	2.82	10.60	2.84	11.27	2.92	11.72	2.97
	32.0	8.85	2.95	9.30	3.01	9.75	3.06	9.97	3.08	10.64	3.16	11.09	3.21
	35.0	8.58	3.07	9.03	3.12	9.48	3.17	9.70	3.19	10.37	3.27	10.82	3.32
	40.0	8.13	3.26	8.58	3.31	9.02	3.36	9.25	3.39	9.92	3.47	10.37	3.52
	43.0	7.86	3.39	8.31	3.44	8.75	3.49	8.98	3.51	9.65	3.59	10.09	3.64
	46.0	7.59	3.52	8.04	3.57	8.48	3.62	8.69	3.62	9.32	3.62	9.72	3.62
6.0+7.1	22.0	9.86	2.70	10.31	2.75	10.76	2.80	10.99	2.83	11.66	2.91	12.12	2.96
	25.0	9.58	2.79	10.04	2.84	10.49	2.90	10.71	2.92	11.39	3.00	11.84	3.05
	32.0	8.95	3.04	9.40	3.09	9.85	3.14	10.07	3.17	10.75	3.25	11.20	3.30
	35.0	8.67	3.15	9.12	3.20	9.57	3.26	9.80	3.28	10.48	3.36	10.93	3.41
	40.0	8.21	3.35	8.67	3.41	9.12	3.46	9.34	3.48	10.02	3.56	10.47	3.62
	43.0	7.94	3.48	8.39	3.53	8.84	3.59	9.07	3.61	9.75	3.69	10.20	3.74
	46.0	7.67	3.61	8.11	3.62	8.53	3.62	8.74	3.62	9.36	3.62	9.77	3.62
7.1+7.1	22.0	9.96	2.77	10.41	2.82	10.87	2.88	11.10	2.90	11.78	2.99	12.24	3.04
	25.0	9.68	2.87	10.14	2.92	10.59	2.98	10.82	3.00	11.51	3.08	11.96	3.14
	32.0	9.04	3.12	9.49	3.18	9.95	3.23	10.18	3.26	10.86	3.34	11.32	3.39
	35.0	8.76	3.24	9.22	3.29	9.67	3.35	9.90	3.37	10.58	3.45	11.04	3.51
	40.0	8.30	3.45	8.75	3.50	9.21	3.55	9.44	3.58	10.12	3.66	10.58	3.72
	43.0	8.02	3.58	8.48	3.63	8.93	3.68	9.16	3.71	9.85	3.79	10.30	3.85
	46.0	7.73	3.62	8.17	3.62	8.59	3.62	8.80	3.62	9.42	3.62	9.82	3.62
2.5+2.5+2.5	22.0	8.45	2.55	8.84	2.60	9.22	2.65	9.42	2.67	10.00	2.75	10.38	2.80
	25.0	8.21	2.64	8.60	2.69	8.99	2.74	9.18	2.76	9.76	2.84	10.15	2.89
	32.0	7.67	2.87	8.05	2.92	8.44	2.97	8.63	3.00	9.22	3.07	9.60	3.12
	35.0	7.43	2.98	7.82	3.03	8.21	3.08	8.40	3.10	8.98	3.18	9.37	3.23
	40.0	7.04	3.17	7.43	3.22	7.82	3.27	8.01	3.29	8.59	3.37	8.98	3.42
	43.0	6.81	3.29	7.19	3.34	7.58	3.39	7.77	3.41	8.35	3.49	8.74	3.54
	46.0	6.57	3.42	6.96	3.47	7.35	3.52	7.54	3.54	8.12	3.61	8.49	3.62
2.5+2.5+3.5	22.0	8.65	2.73	9.05	2.78	9.44	2.83	9.64	2.86	10.24	2.94	10.63	2.99
	25.0	8.41	2.83	8.81	2.88	9.20	2.93	9.40	2.96	10.00	3.04	10.39	3.09
	32.0	7.85	3.08	8.25	3.13	8.64	3.18	8.84	3.21	9.43	3.29	9.83	3.34
	35.0	7.61	3.19	8.01	3.24	8.40	3.30	8.60	3.32	9.19	3.40	9.59	3.46
	40.0	7.21	3.39	7.61	3.45	8.00	3.50	8.20	3.53	8.79	3.61	9.19	3.66
	43.0	6.97	3.52	7.36	3.58	7.76	3.63	7.96	3.66	8.55	3.74	8.95	3.79
	46.0	6.73	3.62	7.12	3.62	7.51	3.62	7.70	3.62	8.26	3.62	8.63	3.62
2.5+2.5+5.0	22.0	9.25	2.74	9.68	2.80	10.10	2.85	10.31	2.88	10.95	2.96	11.37	3.01
	25.0	9.00	2.84	9.42	2.90	9.84	2.95	10.06	2.98	10.69	3.06	11.12	3.11
	32.0	8.40	3.09	8.82	3.15	9.25	3.20	9.46	3.23	10.09	3.31	10.52	3.36
	35.0	8.14	3.21	8.56	3.26	8.99	3.32	9.20	3.34	9.84	3.42	10.26	3.48
	40.0	7.71	3.42	8.14	3.47	8.56	3.52	8.77	3.55	9.41	3.63	9.83	3.68
	43.0	7.45	3.55	7.88	3.60	8.30	3.65	8.51	3.68	9.15	3.76	9.57	3.81
	46.0	7.20	3.62	7.61	3.62	8.02	3.62	8.21	3.62	8.80	3.62	9.18	3.62

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+6.0	22.0	9.76	2.71	10.20	2.76	10.65	2.82	10.87	2.84	11.54	2.92	11.99	2.98
	25.0	9.49	2.81	9.93	2.86	10.38	2.92	10.60	2.94	11.27	3.02	11.72	3.07
	32.0	8.85	3.06	9.30	3.11	9.75	3.16	9.97	3.19	10.64	3.27	11.09	3.32
	35.0	8.58	3.17	9.03	3.22	9.48	3.28	9.70	3.30	10.37	3.38	10.82	3.44
	40.0	8.13	3.37	8.58	3.43	9.02	3.48	9.25	3.51	9.92	3.59	10.37	3.64
	43.0	7.86	3.50	8.31	3.56	8.75	3.61	8.98	3.63	9.65	3.71	10.09	3.77
	46.0	7.59	3.62	8.02	3.62	8.44	3.62	8.65	3.62	9.26	3.62	9.66	3.62
2.5+2.5+7.1	22.0	9.81	2.75	10.26	2.81	10.71	2.86	10.93	2.89	11.60	2.97	12.05	3.02
	25.0	9.53	2.85	9.98	2.91	10.43	2.96	10.66	2.99	11.33	3.07	11.78	3.12
	32.0	8.90	3.10	9.35	3.16	9.80	3.21	10.02	3.24	10.70	3.32	11.15	3.37
	35.0	8.63	3.22	9.08	3.27	9.53	3.33	9.75	3.35	10.42	3.43	10.87	3.49
	40.0	8.17	3.43	8.62	3.48	9.07	3.53	9.30	3.56	9.97	3.64	10.42	3.69
	43.0	7.90	3.56	8.35	3.61	8.80	3.66	9.02	3.69	9.70	3.77	10.15	3.82
	46.0	7.62	3.62	8.05	3.62	8.47	3.62	8.68	3.62	9.29	3.62	9.69	3.62
2.5+3.5+3.5	22.0	9.05	3.14	9.47	3.20	9.88	3.26	10.09	3.29	10.71	3.38	11.13	3.44
	25.0	8.80	3.25	9.22	3.31	9.63	3.37	9.84	3.40	10.46	3.50	10.87	3.56
	32.0	8.21	3.54	8.63	3.60	9.04	3.66	9.25	3.69	9.87	3.78	10.29	3.84
	35.0	7.96	3.67	8.38	3.73	8.79	3.79	9.00	3.82	9.62	3.92	10.04	3.98
	40.0	7.54	3.91	7.96	3.97	8.37	4.03	8.58	4.06	9.20	4.15	9.62	4.21
	43.0	7.29	4.05	7.71	4.10	8.12	4.10	8.33	4.10	8.95	4.10	9.37	4.10
	46.0	7.04	3.62	7.46	3.62	7.87	3.62	8.08	3.62	8.70	3.62	9.05	3.62
2.5+3.5+5.0	22.0	9.76	3.22	10.20	3.28	10.65	3.35	10.87	3.38	11.54	3.47	11.99	3.54
	25.0	9.49	3.34	9.93	3.40	10.38	3.46	10.60	3.49	11.27	3.59	11.72	3.65
	32.0	8.85	3.63	9.30	3.69	9.75	3.76	9.97	3.79	10.64	3.88	11.09	3.94
	35.0	8.58	3.77	9.03	3.83	9.48	3.89	9.70	3.92	10.37	4.02	10.82	4.08
	40.0	8.13	4.01	8.58	4.07	9.02	4.13	9.25	4.16	9.92	4.26	10.37	4.32
	43.0	7.86	4.10	8.31	4.10	8.75	4.10	8.98	4.10	9.65	4.10	10.08	4.10
	46.0	7.59	3.62	8.04	3.62	8.48	3.62	8.71	3.62	9.28	3.62	9.65	3.62
2.5+3.5+6.0	22.0	9.81	2.75	10.26	2.81	10.71	2.86	10.93	2.89	11.60	2.97	12.05	3.02
	25.0	9.53	2.85	9.98	2.91	10.43	2.96	10.66	2.99	11.33	3.07	11.78	3.12
	32.0	8.90	3.10	9.35	3.16	9.80	3.21	10.02	3.24	10.70	3.32	11.15	3.37
	35.0	8.63	3.22	9.08	3.27	9.53	3.33	9.75	3.35	10.42	3.43	10.87	3.49
	40.0	8.17	3.43	8.62	3.48	9.07	3.53	9.30	3.56	9.97	3.64	10.42	3.69
	43.0	7.90	3.56	8.35	3.61	8.80	3.66	9.02	3.69	9.70	3.77	10.15	3.82
	46.0	7.62	3.62	8.05	3.62	8.47	3.62	8.68	3.62	9.29	3.62	9.69	3.62
2.5+3.5+7.1	22.0	10.01	2.92	10.47	2.97	10.93	3.03	11.15	3.06	11.84	3.14	12.30	3.20
	25.0	9.73	3.02	10.19	3.08	10.65	3.14	10.88	3.16	11.56	3.25	12.02	3.31
	32.0	9.08	3.29	9.54	3.35	10.00	3.40	10.23	3.43	10.92	3.52	11.37	3.57
	35.0	8.80	3.41	9.26	3.47	9.72	3.53	9.95	3.55	10.64	3.64	11.10	3.70
	40.0	8.34	3.63	8.80	3.69	9.26	3.74	9.49	3.77	10.17	3.86	10.63	3.91
	43.0	8.06	3.77	8.52	3.82	8.98	3.88	9.21	3.91	9.90	4.00	10.35	4.05
	46.0	7.77	3.62	8.20	3.62	8.61	3.62	8.82	3.62	9.42	3.62	9.81	3.62
2.5+5.0+5.0	22.0	9.86	2.85	10.31	2.91	10.76	2.96	10.99	2.99	11.66	3.07	12.12	3.13
	25.0	9.58	2.95	10.04	3.01	10.49	3.07	10.71	3.09	11.39	3.18	11.84	3.23
	32.0	8.95	3.21	9.40	3.27	9.85	3.33	10.07	3.35	10.75	3.44	11.20	3.49
	35.0	8.67	3.33	9.12	3.39	9.57	3.45	9.80	3.47	10.48	3.56	10.93	3.61
	40.0	8.21	3.55	8.67	3.60	9.12	3.66	9.34	3.69	10.02	3.77	10.47	3.83
	43.0	7.94	3.68	8.39	3.74	8.84	3.79	9.07	3.82	9.75	3.91	10.20	3.96
	46.0	7.66	3.62	8.08	3.62	8.50	3.62	8.70	3.62	9.30	3.62	9.70	3.62
2.5+5.0+6.0	22.0	10.06	2.74	10.52	2.79	10.98	2.84	11.21	2.87	11.90	2.95	12.36	3.00
	25.0	9.78	2.83	10.24	2.89	10.70	2.94	10.93	2.97	11.62	3.05	12.08	3.10
	32.0	9.13	3.08	9.59	3.14	10.05	3.19	10.28	3.22	10.97	3.30	11.43	3.35
	35.0	8.85	3.20	9.31	3.25	9.77	3.31	10.00	3.33	10.69	3.41	11.15	3.47
	40.0	8.38	3.40	8.84	3.46	9.30	3.51	9.53	3.54	10.23	3.62	10.69	3.67
	43.0	8.10	3.53	8.56	3.59	9.02	3.64	9.25	3.67	9.95	3.75	10.41	3.80
	46.0	7.81	3.62	8.26	3.62	8.69	3.62	8.90	3.62	9.52	3.62	9.93	3.62
2.5+5.0+7.1	22.0	10.41	2.85	10.89	2.91	11.36	2.96	11.60	2.99	12.32	3.07	12.80	3.13
	25.0	10.12	2.95	10.60	3.01	11.08	3.07	11.31	3.09	12.03	3.18	12.51	3.23
	32.0	9.45	3.21	9.92	3.27	10.40	3.33	10.64	3.35	11.35	3.44	11.83	3.49
	35.0	9.16	3.33	9.63	3.39	10.11	3.45	10.35	3.47	11.07	3.56	11.54	3.61
	40.0	8.68	3.55	9.15	3.60	9.63	3.66	9.87	3.69	10.58	3.77	11.06	3.83
	43.0	8.39	3.68	8.86	3.74	9.34	3.79	9.58	3.82	10.29	3.91	10.77	3.96
	46.0	8.06	3.62	8.51	3.62	8.94	3.62	9.15	3.62	9.78	3.62	10.19	3.62

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+6.0+6.0	22.0	10.36	2.91	10.84	2.97	11.31	3.02	11.55	3.05	12.26	3.14	12.73	3.19
	25.0	10.07	3.01	10.55	3.07	11.02	3.13	11.26	3.16	11.97	3.24	12.45	3.30
	32.0	9.40	3.28	9.88	3.34	10.35	3.39	10.59	3.42	11.30	3.51	11.77	3.56
	35.0	9.11	3.40	9.59	3.46	10.06	3.52	10.30	3.54	11.01	3.63	11.49	3.69
	40.0	8.63	3.62	9.11	3.68	9.58	3.73	9.82	3.76	10.53	3.85	11.01	3.90
	43.0	8.35	3.76	8.82	3.81	9.30	3.87	9.53	3.90	10.24	3.98	10.72	4.04
	46.0	8.03	3.62	8.46	3.62	8.89	3.62	9.10	3.62	9.72	3.62	10.12	3.62
2.5+6.0+7.1	22.0	10.51	3.04	10.99	3.10	11.47	3.16	11.72	3.19	12.44	3.28	12.92	3.34
	25.0	10.22	3.15	10.70	3.21	11.18	3.27	11.42	3.30	12.15	3.39	12.63	3.45
	32.0	9.54	3.43	10.02	3.49	10.50	3.55	10.74	3.58	11.46	3.66	11.95	3.72
	35.0	9.25	3.56	9.73	3.62	10.21	3.67	10.45	3.70	11.17	3.79	11.65	3.85
	40.0	8.76	3.78	9.24	3.84	9.72	3.90	9.96	3.93	10.69	4.02	11.17	4.08
	43.0	8.47	3.93	8.95	3.99	9.43	4.05	9.67	4.08	10.38	4.10	10.83	4.10
	46.0	8.15	3.62	8.58	3.62	9.01	3.62	9.21	3.62	9.83	3.62	10.23	3.62
3.5+3.5+3.5	22.0	9.35	3.14	9.78	3.20	10.21	3.26	10.43	3.29	11.07	3.38	11.50	3.44
	25.0	9.09	3.25	9.52	3.31	9.95	3.37	10.17	3.40	10.81	3.50	11.24	3.56
	32.0	8.49	3.54	8.92	3.60	9.35	3.66	9.56	3.69	10.20	3.78	10.63	3.84
	35.0	8.23	3.67	8.66	3.73	9.09	3.79	9.30	3.82	9.94	3.92	10.37	3.98
	40.0	7.80	3.91	8.22	3.97	8.65	4.03	8.87	4.06	9.51	4.15	9.94	4.21
	43.0	7.54	4.05	7.96	4.10	8.39	4.10	8.61	4.10	9.25	4.10	9.68	4.10
	46.0	7.28	3.62	7.70	3.62	8.13	3.62	8.35	3.62	8.93	3.62	9.30	3.62
3.5+3.5+5.0	22.0	9.81	3.27	10.26	3.33	10.71	3.40	10.93	3.43	11.60	3.53	12.05	3.59
	25.0	9.53	3.39	9.98	3.45	10.43	3.52	10.66	3.55	11.33	3.64	11.78	3.71
	32.0	8.90	3.69	9.35	3.75	9.80	3.81	10.02	3.85	10.70	3.94	11.15	4.01
	35.0	8.63	3.83	9.08	3.89	9.53	3.95	9.75	3.98	10.42	4.08	10.87	4.14
	40.0	8.17	4.07	8.62	4.13	9.07	4.20	9.30	4.23	9.97	4.32	10.42	4.39
	43.0	7.90	4.10	8.35	4.10	8.80	4.10	9.02	4.10	9.70	4.10	10.14	4.10
	46.0	7.63	3.62	8.08	3.62	8.53	3.62	8.75	3.62	9.34	3.62	9.71	3.62
3.5+3.5+6.0	22.0	10.01	2.92	10.47	2.97	10.93	3.03	11.15	3.06	11.84	3.14	12.30	3.20
	25.0	9.73	3.02	10.19	3.08	10.65	3.14	10.88	3.16	11.56	3.25	12.02	3.31
	32.0	9.08	3.29	9.54	3.35	10.00	3.40	10.23	3.43	10.92	3.52	11.37	3.57
	35.0	8.80	3.41	9.26	3.47	9.72	3.53	9.95	3.55	10.64	3.64	11.10	3.70
	40.0	8.34	3.63	8.80	3.69	9.26	3.74	9.49	3.77	10.17	3.86	10.63	3.91
	43.0	8.06	3.77	8.52	3.82	8.98	3.88	9.21	3.91	9.90	4.00	10.35	4.05
	46.0	7.77	3.62	8.20	3.62	8.61	3.62	8.82	3.62	9.42	3.62	9.81	3.62
3.5+3.5+7.1	22.0	10.36	3.24	10.84	3.30	11.31	3.36	11.55	3.40	12.26	3.49	12.73	3.55
	25.0	10.07	3.35	10.55	3.42	11.02	3.48	11.26	3.51	11.97	3.61	12.45	3.67
	32.0	9.40	3.65	9.88	3.71	10.35	3.78	10.59	3.81	11.30	3.90	11.77	3.96
	35.0	9.11	3.79	9.59	3.85	10.06	3.91	10.30	3.94	11.01	4.04	11.49	4.10
	40.0	8.63	4.03	9.11	4.09	9.58	4.15	9.82	4.19	10.53	4.28	11.01	4.34
	43.0	8.35	4.10	8.82	4.10	9.30	4.10	9.53	4.10	10.21	4.10	10.65	4.10
	46.0	8.06	3.62	8.53	3.62	8.95	3.62	9.15	3.62	9.74	3.62	10.13	3.62
3.5+5.0+5.0	22.0	10.26	3.21	10.73	3.28	11.20	3.34	11.43	3.37	12.14	3.46	12.61	3.53
	25.0	9.98	3.33	10.44	3.39	10.91	3.45	11.15	3.49	11.85	3.58	12.32	3.64
	32.0	9.31	3.62	9.78	3.68	10.25	3.75	10.48	3.78	11.19	3.87	11.66	3.93
	35.0	9.03	3.76	9.50	3.82	9.97	3.88	10.20	3.91	10.90	4.01	11.37	4.07
	40.0	8.55	4.00	9.02	4.06	9.49	4.12	9.73	4.15	10.43	4.25	10.90	4.31
	43.0	8.27	4.10	8.74	4.10	9.21	4.10	9.44	4.10	10.12	4.10	10.55	4.10
	46.0	7.98	3.62	8.45	3.62	8.87	3.62	9.07	3.62	9.66	3.62	10.04	3.62
3.5+5.0+6.0	22.0	10.36	3.14	10.84	3.20	11.31	3.26	11.55	3.29	12.26	3.38	12.73	3.44
	25.0	10.07	3.25	10.55	3.31	11.02	3.37	11.26	3.40	11.97	3.50	12.45	3.56
	32.0	9.40	3.54	9.88	3.60	10.35	3.66	10.59	3.69	11.30	3.78	11.77	3.84
	35.0	9.11	3.67	9.59	3.73	10.06	3.79	10.30	3.82	11.01	3.92	11.49	3.98
	40.0	8.63	3.91	9.11	3.97	9.58	4.03	9.82	4.06	10.53	4.15	11.01	4.21
	43.0	8.35	4.05	8.82	4.10	9.29	4.10	9.53	4.10	10.21	4.10	10.65	4.10
	46.0	8.06	3.62	8.50	3.62	8.91	3.62	9.12	3.62	9.72	3.62	10.11	3.62
3.5+5.0+7.1	22.0	10.51	3.11	10.99	3.17	11.47	3.23	11.72	3.26	12.44	3.35	12.92	3.41
	25.0	10.22	3.22	10.70	3.28	11.18	3.34	11.42	3.37	12.15	3.46	12.63	3.52
	32.0	9.54	3.50	10.02	3.56	10.50	3.62	10.74	3.65	11.46	3.74	11.95	3.80
	35.0	9.25	3.63	9.73	3.69	10.21	3.75	10.45	3.78	11.17	3.87	11.65	3.94
	40.0	8.76	3.86	9.24	3.93	9.72	3.99	9.96	4.02	10.69	4.11	11.17	4.17
	43.0	8.47	4.01	8.95	4.07	9.43	4.10	9.66	4.10	10.36	4.10	10.81	4.10
	46.0	8.17	3.62	8.60	3.62	9.02	3.62	9.22	3.62	9.83	3.62	10.23	3.62

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+6.0+6.0	22.0	10.46	3.08	10.94	3.14	11.42	3.20	11.66	3.23	12.38	3.32	12.86	3.38
	25.0	10.17	3.19	10.65	3.25	11.13	3.31	11.37	3.34	12.09	3.43	12.57	3.49
	32.0	9.49	3.47	9.97	3.53	10.45	3.59	10.69	3.62	11.41	3.71	11.89	3.77
	35.0	9.20	3.60	9.68	3.66	10.16	3.72	10.40	3.75	11.12	3.84	11.60	3.90
	40.0	8.72	3.83	9.20	3.89	9.68	3.95	9.92	3.98	10.63	4.07	11.11	4.13
	43.0	8.43	3.98	8.91	4.04	9.39	4.10	9.62	4.10	10.32	4.10	10.77	4.10
	46.0	8.13	3.62	8.55	3.62	8.97	3.62	9.18	3.62	9.79	3.62	10.18	3.62
5.0+5.0+5.0	22.0	10.41	3.09	10.89	3.15	11.36	3.21	11.60	3.24	12.32	3.33	12.80	3.39
	25.0	10.12	3.20	10.60	3.26	11.08	3.32	11.31	3.35	12.03	3.44	12.51	3.50
	32.0	9.45	3.48	9.92	3.54	10.40	3.60	10.64	3.63	11.35	3.72	11.83	3.78
	35.0	9.16	3.61	9.63	3.67	10.11	3.73	10.35	3.76	11.07	3.85	11.54	3.91
	40.0	8.68	3.84	9.15	3.90	9.63	3.96	9.87	3.99	10.58	4.09	11.06	4.15
	43.0	8.39	3.99	8.86	4.05	9.34	4.10	9.57	4.10	10.27	4.10	10.71	4.10
	46.0	8.09	3.62	8.52	3.62	8.94	3.62	9.14	3.62	9.75	3.62	10.14	3.62
2.5+2.5+2.5+2.5	22.0	9.51	2.65	9.94	2.70	10.38	2.75	10.59	2.78	11.25	2.85	11.68	2.90
	25.0	9.24	2.74	9.68	2.79	10.11	2.84	10.33	2.87	10.98	2.95	11.42	3.00
	32.0	8.63	2.98	9.06	3.03	9.50	3.09	9.71	3.11	10.37	3.19	10.80	3.24
	35.0	8.36	3.09	8.80	3.15	9.23	3.20	9.45	3.22	10.10	3.30	10.54	3.35
	40.0	7.92	3.29	8.36	3.34	8.79	3.40	9.01	3.42	9.66	3.50	10.10	3.55
	43.0	7.66	3.42	8.09	3.47	8.53	3.52	8.75	3.55	9.40	3.62	9.83	3.68
	46.0	7.39	3.55	7.83	3.60	8.25	3.62	8.46	3.62	9.07	3.62	9.46	3.62
2.5+2.5+2.5+3.5	22.0	9.76	2.84	10.20	2.90	10.65	2.95	10.87	2.98	11.54	3.06	11.99	3.12
	25.0	9.49	2.95	9.93	3.00	10.38	3.06	10.60	3.08	11.27	3.17	11.72	3.22
	32.0	8.85	3.21	9.30	3.26	9.75	3.32	9.97	3.34	10.64	3.43	11.09	3.48
	35.0	8.58	3.33	9.03	3.38	9.48	3.44	9.70	3.46	10.37	3.55	10.82	3.60
	40.0	8.13	3.54	8.58	3.59	9.02	3.65	9.25	3.68	9.92	3.76	10.37	3.81
	43.0	7.86	3.67	8.31	3.73	8.75	3.78	8.98	3.81	9.65	3.89	10.09	3.95
	46.0	7.58	3.62	8.00	3.62	8.42	3.62	8.62	3.62	9.22	3.62	9.61	3.62
2.5+2.5+2.5+5.0	22.0	10.16	2.88	10.62	2.94	11.09	3.00	11.32	3.03	12.02	3.11	12.49	3.17
	25.0	9.88	2.99	10.34	3.04	10.81	3.10	11.04	3.13	11.74	3.21	12.20	3.27
	32.0	9.22	3.25	9.68	3.31	10.15	3.36	10.38	3.39	11.08	3.48	11.55	3.53
	35.0	8.94	3.37	9.40	3.43	9.87	3.49	10.10	3.51	10.80	3.60	11.26	3.65
	40.0	8.47	3.59	8.93	3.65	9.40	3.70	9.63	3.73	10.33	3.81	10.79	3.87
	43.0	8.18	3.73	8.65	3.78	9.11	3.84	9.35	3.87	10.05	3.95	10.51	4.01
	46.0	7.88	3.62	8.31	3.62	8.73	3.62	8.94	3.62	9.56	3.62	9.95	3.62
2.5+2.5+2.5+6.0	22.0	10.26	2.91	10.73	2.97	11.20	3.02	11.43	3.05	12.14	3.14	12.61	3.19
	25.0	9.98	3.01	10.44	3.07	10.91	3.13	11.15	3.16	11.85	3.24	12.32	3.30
	32.0	9.31	3.28	9.78	3.34	10.25	3.39	10.48	3.42	11.19	3.51	11.66	3.56
	35.0	9.03	3.40	9.50	3.46	9.97	3.52	10.20	3.54	10.90	3.63	11.37	3.69
	40.0	8.55	3.62	9.02	3.68	9.49	3.73	9.73	3.76	10.43	3.85	10.90	3.90
	43.0	8.27	3.76	8.74	3.81	9.21	3.87	9.44	3.90	10.14	3.98	10.61	4.04
	46.0	7.95	3.62	8.39	3.62	8.81	3.62	9.02	3.62	9.64	3.62	10.03	3.62
2.5+2.5+2.5+7.1	22.0	10.36	3.07	10.84	3.13	11.31	3.19	11.55	3.22	12.26	3.31	12.73	3.37
	25.0	10.07	3.18	10.55	3.24	11.02	3.30	11.26	3.33	11.97	3.42	12.45	3.48
	32.0	9.40	3.46	9.88	3.52	10.35	3.58	10.59	3.61	11.30	3.70	11.77	3.76
	35.0	9.11	3.59	9.59	3.65	10.06	3.71	10.30	3.74	11.01	3.83	11.49	3.89
	40.0	8.63	3.82	9.11	3.88	9.58	3.94	9.82	3.97	10.53	4.06	11.01	4.12
	43.0	8.35	3.97	8.82	4.03	9.30	4.09	9.53	4.10	10.22	4.10	10.67	4.10
	46.0	8.06	3.62	8.48	3.62	8.90	3.62	9.10	3.62	9.71	3.62	10.10	3.62
2.5+2.5+3.5+3.5	22.0	9.96	2.84	10.41	2.90	10.87	2.95	11.10	2.98	11.78	3.06	12.24	3.12
	25.0	9.68	2.95	10.14	3.00	10.59	3.06	10.82	3.08	11.51	3.17	11.96	3.22
	32.0	9.04	3.21	9.49	3.26	9.95	3.32	10.18	3.34	10.86	3.43	11.32	3.48
	35.0	8.76	3.33	9.22	3.38	9.67	3.44	9.90	3.46	10.58	3.55	11.04	3.60
	40.0	8.30	3.54	8.75	3.59	9.21	3.65	9.44	3.68	10.12	3.76	10.58	3.81
	43.0	8.02	3.67	8.48	3.73	8.93	3.78	9.16	3.81	9.85	3.89	10.30	3.95
	46.0	7.73	3.62	8.16	3.62	8.58	3.62	8.79	3.62	9.39	3.62	9.79	3.62
2.5+2.5+3.5+5.0	22.0	10.31	3.09	10.78	3.15	11.25	3.21	11.49	3.24	12.20	3.33	12.67	3.39
	25.0	10.02	3.20	10.50	3.26	10.97	3.32	11.20	3.35	11.91	3.44	12.39	3.50
	32.0	9.36	3.48	9.83	3.54	10.30	3.60	10.54	3.63	11.24	3.72	11.72	3.78
	35.0	9.07	3.61	9.54	3.67	10.01	3.73	10.25	3.76	10.96	3.85	11.43	3.91
	40.0	8.59	3.84	9.06	3.90	9.54	3.96	9.77	3.99	10.48	4.09	10.95	4.15
	43.0	8.31	3.99	8.78	4.05	9.25	4.10	9.48	4.10	10.17	4.10	10.61	4.10
	46.0	8.02	3.62	8.45	3.62	8.86	3.62	9.07	3.62	9.67	3.62	10.06	3.62

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14°C		16°C		18°C		19°C		22°C		24°C	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+3.5+6.0	22.0	10.46	3.11	10.94	3.18	11.42	3.24	11.66	3.27	12.38	3.36	12.86	3.42
	25.0	10.17	3.23	10.65	3.29	11.13	3.35	11.37	3.38	12.09	3.47	12.57	3.53
	32.0	9.49	3.51	9.97	3.57	10.45	3.63	10.69	3.66	11.41	3.75	11.89	3.81
	35.0	9.20	3.64	9.68	3.70	10.16	3.76	10.40	3.79	11.12	3.88	11.60	3.95
	40.0	8.72	3.88	9.20	3.94	9.68	4.00	9.92	4.03	10.63	4.12	11.11	4.18
	43.0	8.43	4.02	8.91	4.08	9.38	4.10	9.62	4.10	10.31	4.10	10.76	4.10
	46.0	8.14	3.62	8.56	3.62	8.98	3.62	9.19	3.62	9.79	3.62	10.19	3.62
2.5+2.5+3.5+7.1	22.0	10.56	3.07	11.05	3.13	11.53	3.19	11.77	3.22	12.50	3.31	12.98	3.37
	25.0	10.27	3.18	10.75	3.24	11.24	3.30	11.48	3.33	12.20	3.42	12.69	3.48
	32.0	9.58	3.46	10.07	3.52	10.55	3.58	10.79	3.61	11.52	3.70	12.00	3.76
	35.0	9.29	3.59	9.77	3.65	10.26	3.71	10.50	3.74	11.23	3.83	11.71	3.89
	40.0	8.80	3.82	9.29	3.88	9.77	3.94	10.01	3.97	10.74	4.06	11.22	4.12
	43.0	8.51	3.97	8.99	4.03	9.48	4.09	9.72	4.10	10.41	4.10	10.87	4.10
	46.0	8.19	3.62	8.62	3.62	9.05	3.62	9.26	3.62	9.87	3.62	10.27	3.62
2.5+2.5+5.0+5.0	22.0	10.51	3.09	10.99	3.15	11.47	3.21	11.72	3.24	12.44	3.33	12.92	3.39
	25.0	10.22	3.20	10.70	3.26	11.18	3.32	11.42	3.35	12.15	3.44	12.63	3.50
	32.0	9.54	3.48	10.02	3.54	10.50	3.60	10.74	3.63	11.46	3.72	11.95	3.78
	35.0	9.25	3.61	9.73	3.67	10.21	3.73	10.45	3.76	11.17	3.85	11.65	3.91
	40.0	8.76	3.84	9.24	3.90	9.72	3.96	9.96	3.99	10.69	4.09	11.17	4.15
	43.0	8.47	3.99	8.95	4.05	9.43	4.10	9.67	4.10	10.36	4.10	10.81	4.10
	46.0	8.16	3.62	8.59	3.62	9.01	3.62	9.22	3.62	9.83	3.62	10.23	3.62
2.5+3.5+3.5+3.5	22.0	10.06	3.02	10.52	3.07	10.98	3.13	11.21	3.16	11.90	3.25	12.36	3.31
	25.0	9.78	3.12	10.24	3.18	10.70	3.24	10.93	3.27	11.62	3.36	12.08	3.42
	32.0	9.13	3.40	9.59	3.46	10.05	3.52	10.28	3.55	10.97	3.63	11.43	3.69
	35.0	8.85	3.53	9.31	3.59	9.77	3.64	10.00	3.67	10.69	3.76	11.15	3.82
	40.0	8.38	3.75	8.84	3.81	9.30	3.87	9.53	3.90	10.23	3.99	10.69	4.05
	43.0	8.10	3.90	8.56	3.95	9.02	4.01	9.25	4.04	9.94	4.10	10.38	4.10
	46.0	7.82	3.62	8.25	3.62	8.66	3.62	8.86	3.62	9.46	3.62	9.85	3.62
2.5+3.5+3.5+5.0	22.0	10.36	3.05	10.84	3.11	11.31	3.17	11.55	3.20	12.26	3.29	12.73	3.35
	25.0	10.07	3.16	10.55	3.22	11.02	3.28	11.26	3.31	11.97	3.40	12.45	3.46
	32.0	9.40	3.44	9.88	3.50	10.35	3.56	10.59	3.59	11.30	3.67	11.77	3.73
	35.0	9.11	3.57	9.59	3.62	10.06	3.68	10.30	3.71	11.01	3.80	11.49	3.86
	40.0	8.63	3.79	9.11	3.85	9.58	3.91	9.82	3.94	10.53	4.03	11.01	4.09
	43.0	8.35	3.94	8.82	4.00	9.30	4.06	9.53	4.09	10.23	4.10	10.68	4.10
	46.0	8.05	3.62	8.48	3.62	8.89	3.62	9.10	3.62	9.71	3.62	10.10	3.62
2.5+3.5+3.5+6.0	22.0	10.46	3.08	10.94	3.14	11.42	3.20	11.66	3.23	12.38	3.32	12.86	3.38
	25.0	10.17	3.19	10.65	3.25	11.13	3.31	11.37	3.34	12.09	3.43	12.57	3.49
	32.0	9.49	3.47	9.97	3.53	10.45	3.59	10.69	3.62	11.41	3.71	11.89	3.77
	35.0	9.20	3.60	9.68	3.66	10.16	3.72	10.40	3.75	11.12	3.84	11.60	3.90
	40.0	8.72	3.83	9.20	3.89	9.68	3.95	9.92	3.98	10.63	4.07	11.11	4.13
	43.0	8.43	3.98	8.91	4.04	9.39	4.10	9.62	4.10	10.32	4.10	10.77	4.10
	46.0	8.13	3.62	8.55	3.62	8.97	3.62	9.18	3.62	9.79	3.62	10.18	3.62
3.5+3.5+3.5+3.5	22.0	10.16	3.21	10.62	3.27	11.09	3.33	11.32	3.36	12.02	3.45	12.49	3.52
	25.0	9.88	3.32	10.34	3.38	10.81	3.45	11.04	3.48	11.74	3.57	12.20	3.63
	32.0	9.22	3.61	9.68	3.68	10.15	3.74	10.38	3.77	11.08	3.86	11.55	3.92
	35.0	8.94	3.75	9.40	3.81	9.87	3.87	10.10	3.90	10.80	4.00	11.26	4.06
	40.0	8.47	3.99	8.93	4.05	9.40	4.11	9.63	4.14	10.33	4.24	10.79	4.30
	43.0	8.18	4.10	8.65	4.10	9.11	4.10	9.35	4.10	10.02	4.10	10.46	4.10
	46.0	7.90	3.62	8.37	3.62	8.79	3.62	8.99	3.62	9.58	3.62	9.96	3.62
3.5+3.5+3.5+5.0	22.0	10.46	3.14	10.94	3.20	11.42	3.26	11.66	3.29	12.38	3.38	12.86	3.44
	25.0	10.17	3.25	10.65	3.31	11.13	3.37	11.37	3.40	12.09	3.50	12.57	3.56
	32.0	9.49	3.54	9.97	3.60	10.45	3.66	10.69	3.69	11.41	3.78	11.89	3.84
	35.0	9.20	3.67	9.68	3.73	10.16	3.79	10.40	3.82	11.12	3.92	11.60	3.98
	40.0	8.72	3.91	9.20	3.97	9.68	4.03	9.92	4.06	10.63	4.15	11.11	4.21
	43.0	8.43	4.05	8.91	4.10	9.38	4.10	9.62	4.10	10.31	4.10	10.75	4.10
	46.0	8.14	3.62	8.57	3.62	8.99	3.62	9.19	3.62	9.80	3.62	10.19	3.62

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m
The above is the value for connecting with the following indoor units.
2.5 kW class; FTKD25DVM 3.5 kW class; FTKD35DVM
5.0 kW class; FTKD50FVM 6.0 kW class; FTKD60FVM
7.1 kW class; FTKD71FVM

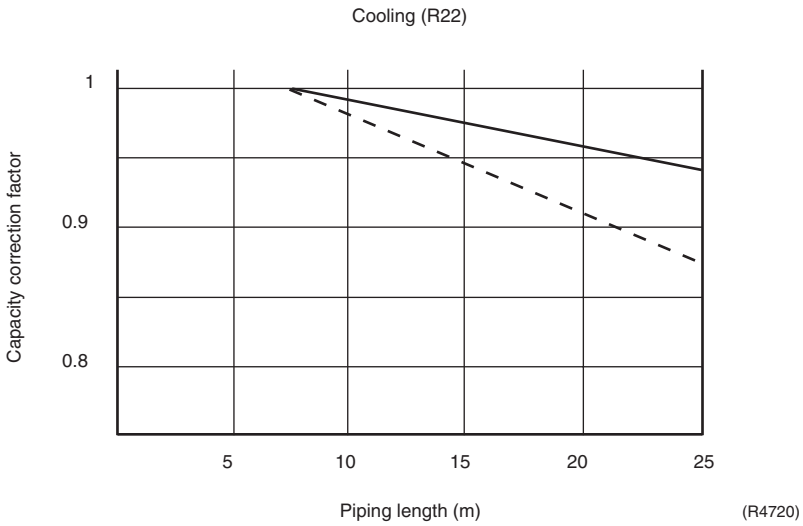
3D050096#1
3D050096#2
3D050096#3
3D050096#4
3D050096#5

7.2 Capacity Correction Factor by the Length of Refrigerant Piping (Reference)

The cooling capacity of the unit has to be corrected in accordance with the length of refrigerant piping. (The distance between the indoor unit and the outdoor unit)

<— line: For the indoor unit with capacity of 2.5 kW.>
<--- line: For the indoor unit with capacity of 3.5 kW or more.>

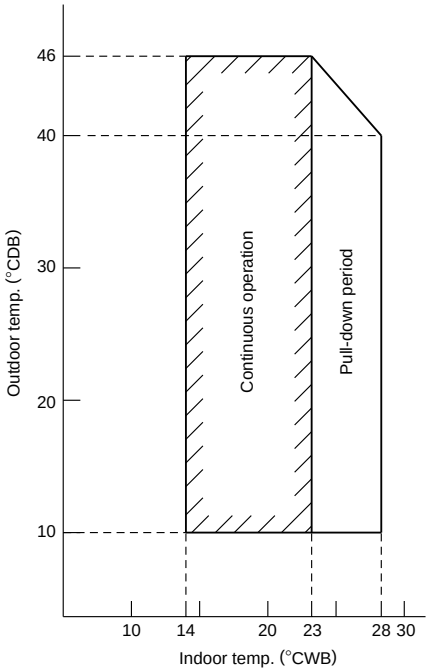
Cooling Capacity



Note:
1. The graph shows the factor when additional refrigerant of the proper quantity is charged.
2. If it is for the multi-type room air-conditioner, the variation of the capacity will be smaller when only one indoor unit is in operation.

8. Operation Limit

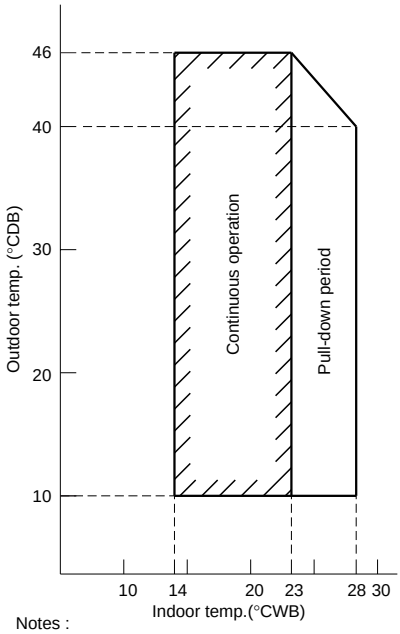
2MKD58DVM, 3MKD58DVM, 3MKD75DVM, 4MKD75DVM



Notes:
The graph is based on the following conditions.
- Equivalent piping length 7.5m
- Level difference 0m
- Air flow rate High

C:4D036506C

4MKD100DVM

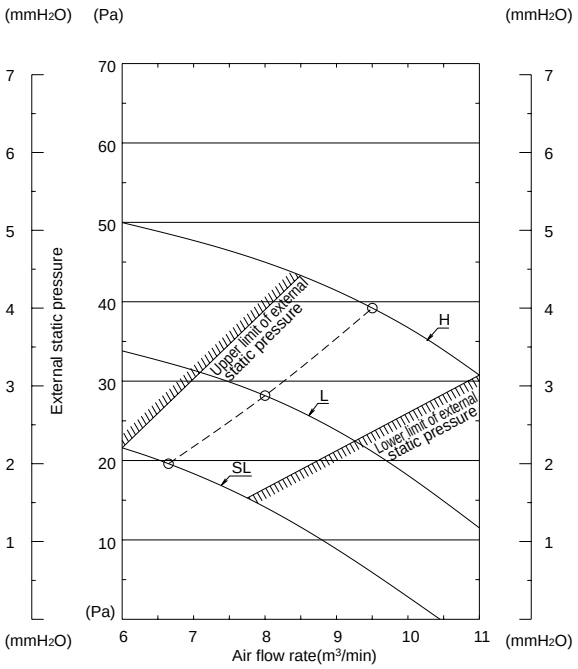


Notes :
The graph is based on the following conditions.
- Equivalent piping length 7.5m
- Level difference 0m
- Air flow rate High

4D050034

9. Fan Characteristics

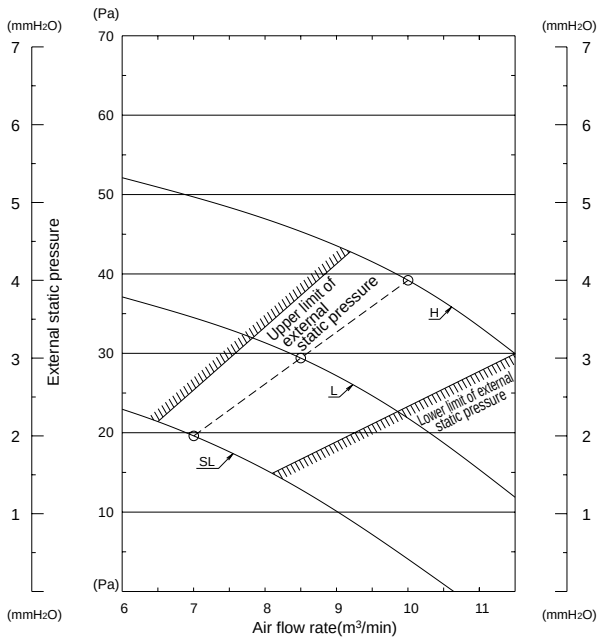
CDKD25CVM



Notes:
1. The external static pressure indicates the fan characteristics when the air filter is not attached.
Mount the air filter in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

3D045764A

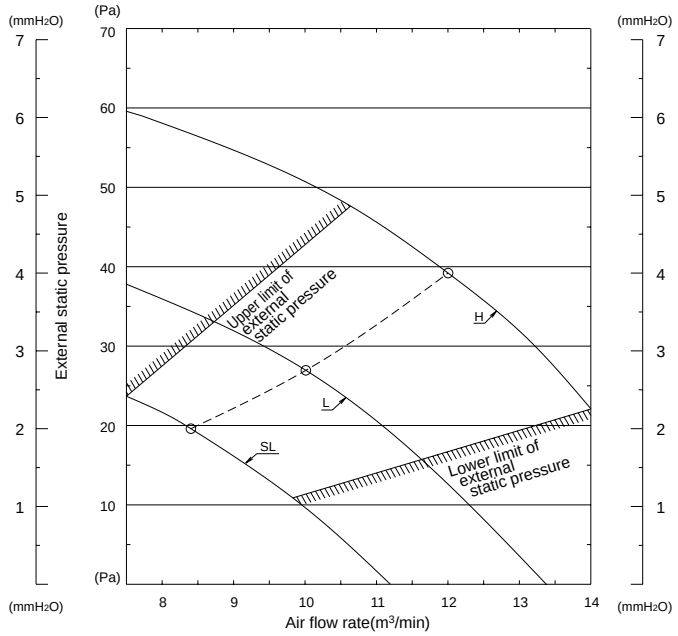
CDKD35CVM



Notes:
1. The external static pressure indicates the fan characteristics when the air filter is not attached.
Mount the air filter in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

3D045765A

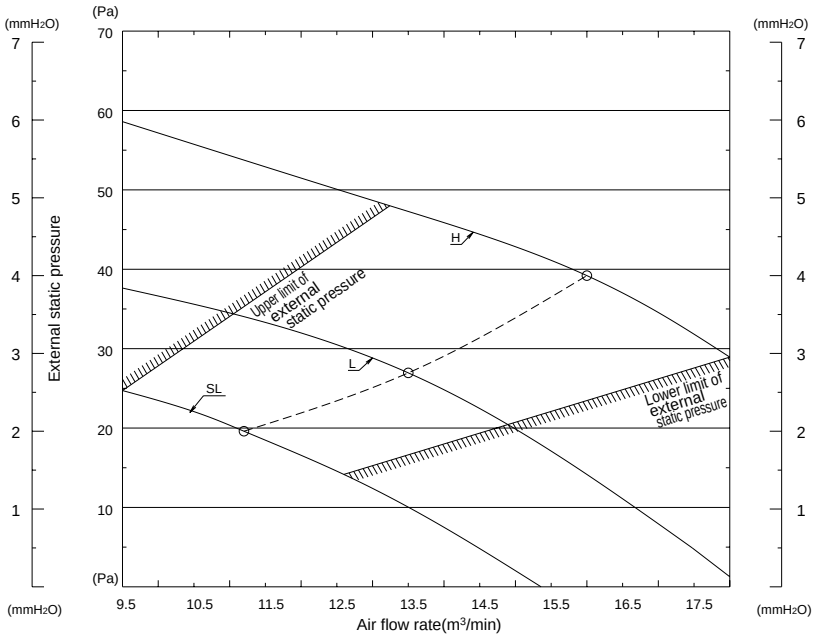
CDKD50CVM



Notes:
1. The external static pressure indicates the fan characteristics when the air filter is not attached.
Mount the air filter in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

3D045766A

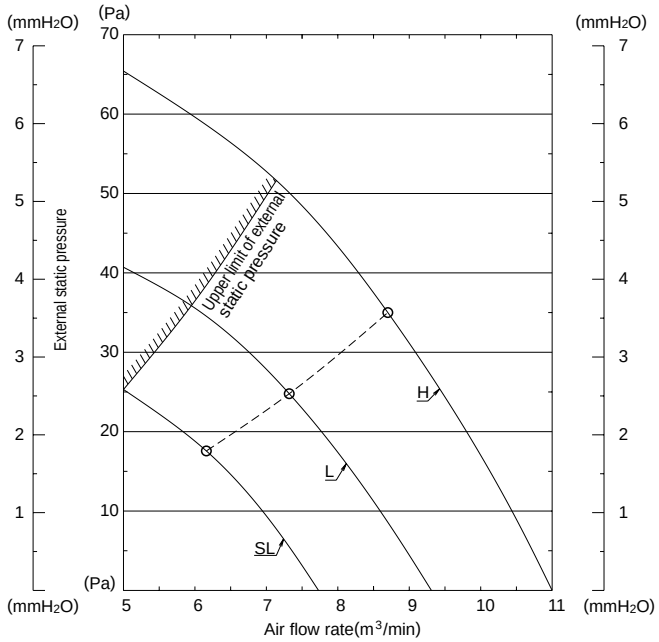
CDKD60CVM



Notes:
1. The external static pressure indicates the fan characteristics when the air filter is not attached.
Mount the air filter in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

3D045767A

CDKD25EAVM, CDKD35EAVM



Notes:
1. The external static pressure indicates the fan characteristics when the air filter is not attached.
   Mount the air filter in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

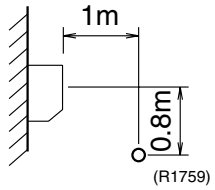
3D052183

10. Sound Level

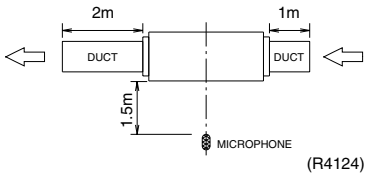
10.1 Measuring Location

Indoor Units

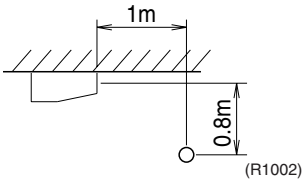
Wall Mounted Type



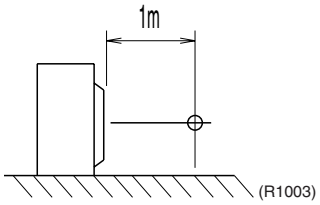
Duct Connected Type



Floor / Ceiling Suspended Dual Type



Outdoor Units



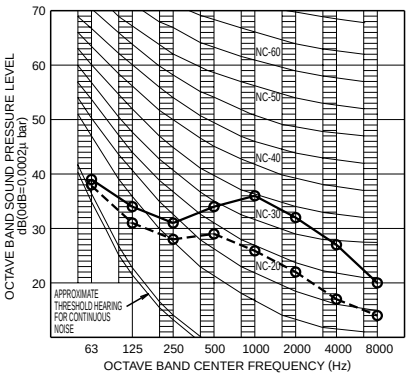
Note: 1. Operation sound is measured in an anechoic chamber.
2. The data are based on the conditions shown in the table below.

Cooling	Piping Length
Indoor ; 27°CDB/19°CWB Outdoor ; 35°CDB	5m

10.2 Octave Band Level

10.2.1 Indoor Units

FTKD25DVM



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	37	28

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

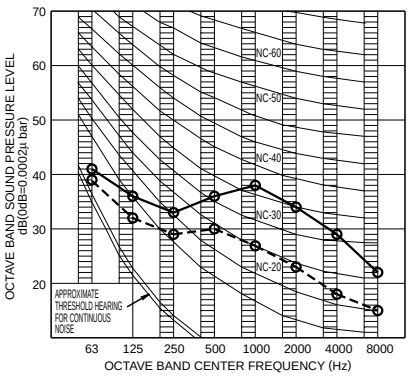
STANDARD EXTERNAL STATIC PRESSURE

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

4D048815

FTKD35DVM



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	39	29

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

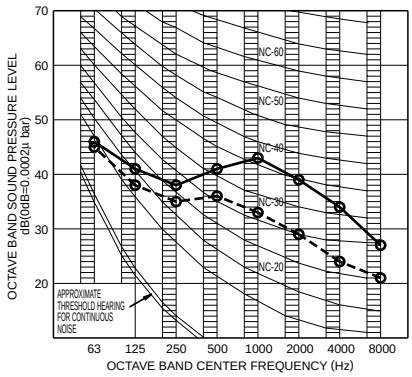
STANDARD EXTERNAL STATIC PRESSURE

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

4D048818

FTKD50FVM



OVER ALL (dB)

SCALE	50Hz/60Hz 220-240/220-230V (H)	50Hz/60Hz 220-240/220-230V (L)
A	44	35

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

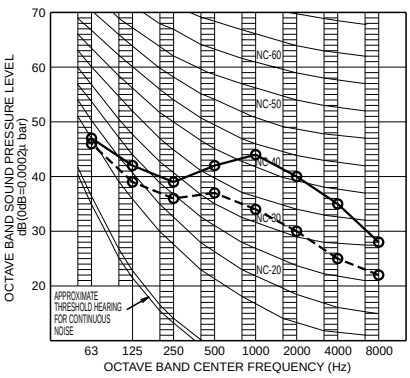
50Hz/60Hz 220-240/220-230V(H)

50Hz/60Hz 220-240/220-230V(L)

Cooling

4D040651B

FTKD60FVM



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	45	36

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

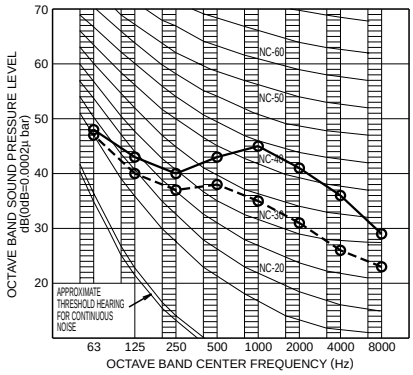
50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Cooling

4D040304E

FTKD71FVM



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	46	37

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

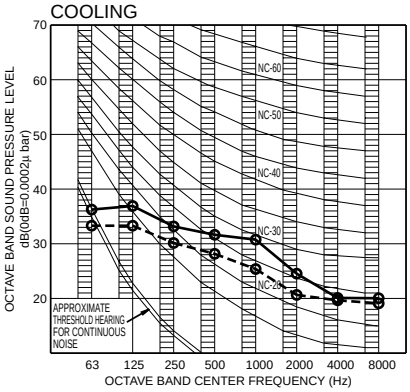
50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Cooling

4D040305G

CDKD25CVM



OVER ALL(dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	35	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

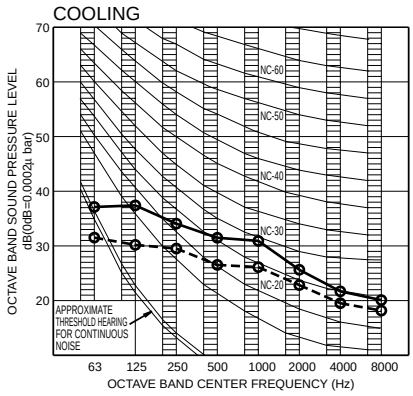
50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Cooling

4D046337A

CDKD35CVM



OVER ALL(dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	35	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

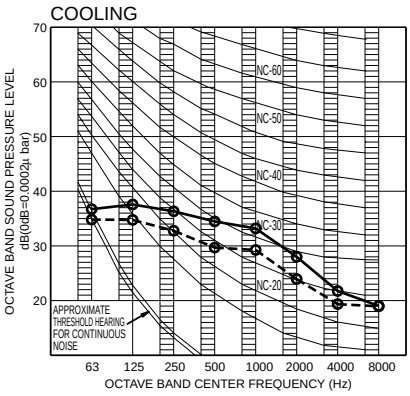
50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Cooling

4D046338A

CDKD50CVM



OVER ALL(dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	37	33

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

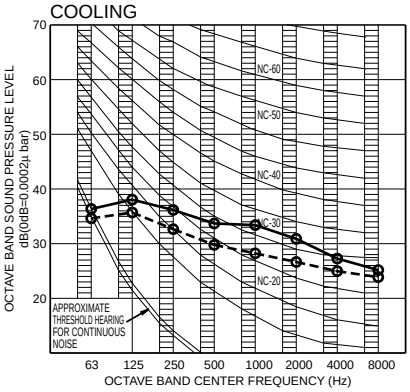
50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Cooling

4D046339A

CDKD60CVM



OVER ALL(dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	38	34

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

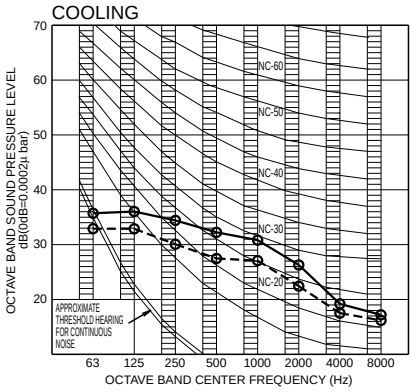
50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Cooling

4D046340A

CDKD25EAVM, CDKD35EAVM



OVER ALL (dB)

SCALE	220-240V/50Hz 220-230V/60Hz (H)	220-240V/50Hz 220-230V/60Hz (L)
A	35	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240V/50Hz, 220-230V/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

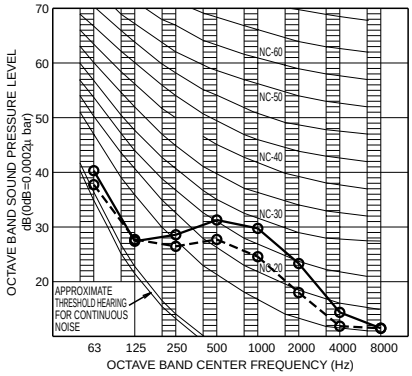
(H) 220-240V/50Hz, 220-230V/60Hz

(L) 220-240V/50Hz, 220-230V/60Hz

Cooling

4D052140

FLK25AVMA



OVER ALL(dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	37	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

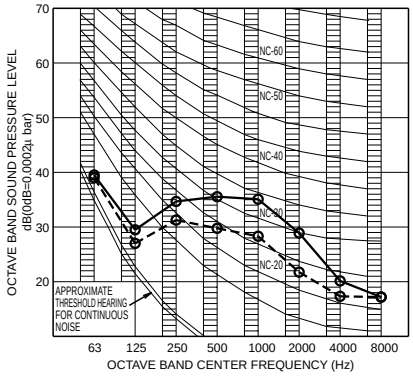
STANDARD EXTERNAL STATIC PRESSURE

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

4D024776B

FLK35AVMA



OVER ALL(dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	38	32

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

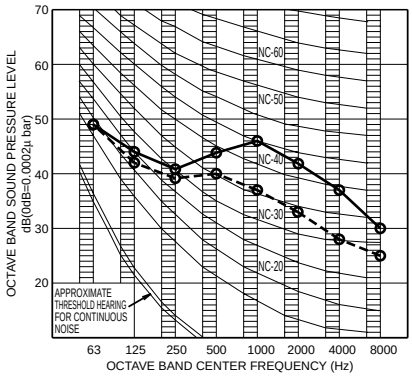
JIS STANDARD

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

4D024777B

FLK50AVMA8



OVER ALL(dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	47	39

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

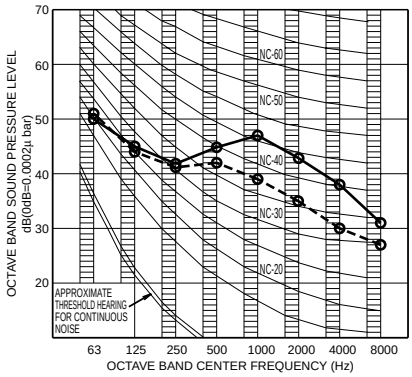
50/60Hz 220-240V/220-230V(H)

50/60Hz 220-240V/220-230V(L)

Cooling

4D027669B

FLK60AVMA8



OVER ALL(dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	48	41

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

50/60Hz 220-240/220-230V(H)

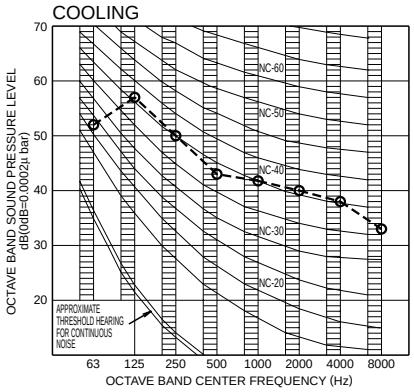
50/60Hz 220-240/220-230V(L)

Cooling

4D027670B

10.2.2 Outdoor Units

2MKD58DVM, 3MKD58DVM



OVER ALL (dB)

SCALE	50Hz 220-240V 60Hz 220-230V
A	46

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

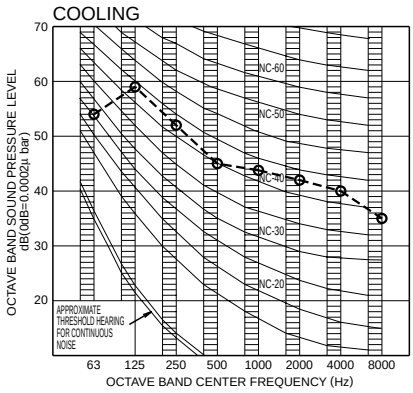
POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD(JISC9612)

Cooling

4D034810F

3MKD75DVM, 4MKD75DVM



OVER ALL (dB)

SCALE	50Hz 220-240V 60Hz 220-230V
A	48

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

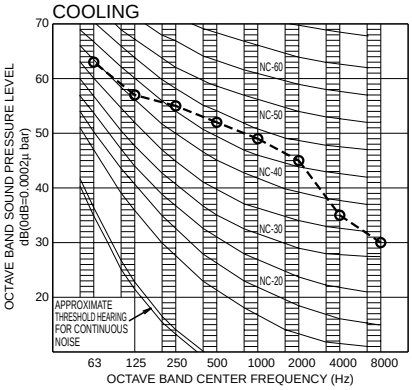
POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD(JISC9612)

Cooling

4D034811G

4MKD100DVM



OVER ALL(dB)

SCALE	50Hz 220-240V 60Hz 220-230V
A	54

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V50/60Hz

JIS STANDARD (JISC9612)

Cooling

4D050033

11. Electric Characteristics

11.1 2MKD58DVM

Cooling [50/60Hz 220V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	220	198	242	5.4	20	3.7	44	0.30	40	0.17
3.5					7.6		5.5			40	0.17
5.0					9.9		7.5			43	0.23
2.5+2.5					10.6		6.9			80	0.34
2.5+3.5					11.1		8.9			80	0.34
2.5+5.0					10.8		7.9			83	0.40
3.5+3.5					11.1		8.8			80	0.34
3.5+5.0					10.9		7.7			83	0.40
5.0+5.0					9.8		6.9			86	0.45

Cooling [50/60Hz 230V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	230	207	253	5.2	20	3.5	44	0.30	40	0.17
3.5					7.3		5.3			40	0.17
5.0					9.4		7.1			43	0.23
2.5+2.5					10.1		6.6			80	0.34
2.5+3.5					10.6		8.5			80	0.34
2.5+5.0					10.3		7.6			83	0.40
3.5+3.5					10.6		8.4			80	0.34
3.5+5.0					10.4		7.4			83	0.40
5.0+5.0					9.3		6.6			86	0.45

Cooling [50Hz 240V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	240	216	264	5.0	20	3.4	44	0.30	40	0.17
3.5					7.0		5.0			40	0.17
5.0					9.1		6.8			43	0.23
2.5+2.5					9.7		6.3			80	0.34
2.5+3.5					10.2		8.1			80	0.34
2.5+5.0					9.9		7.2			83	0.40
3.5+3.5					10.2		8.1			80	0.34
3.5+5.0					10.0		7.0			83	0.40
5.0+5.0					9.0		6.3			86	0.45

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50Hz 220V-230V-240V/60Hz 220V-230V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)
6. The above is the value for connecting with the following indoor units. 2.5, 3.5 kW class; wall mounted D series
   5.0 kW class; wall mounted F series.

3D050200#1
3D050200#2
3D050200#3

11.2 3MKD58DVM

Cooling [50/60Hz 220V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	220	198	242	5.4	20	3.7	44	0.30	40	0.17
3.5					7.6		5.5			40	0.17
5.0					9.9		7.5			43	0.23
2.5+2.5					10.6		6.9			80	0.34
2.5+3.5					11.1		8.9			80	0.34
2.5+5.0					10.8		7.9			83	0.40
3.5+3.5					11.1		8.8			80	0.34
3.5+5.0					10.9		7.7			83	0.40
5.0+5.0					9.8		6.9			86	0.45
2.5+2.5+2.5					10.0		7.1			120	0.51
2.5+2.5+3.5					10.1		7.1			120	0.51
2.5+2.5+5.0					9.0		6.4			123	0.57
2.5+3.5+3.5					10.1		7.0			120	0.51

Cooling [50/60Hz 230V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	230	207	253	5.2	20	3.5	44	0.30	40	0.17
3.5					7.3		5.3			40	0.17
5.0					9.4		7.1			43	0.23
2.5+2.5					10.1		6.6			80	0.34
2.5+3.5					10.6		8.5			80	0.34
2.5+5.0					10.3		7.6			83	0.40
3.5+3.5					10.6		8.4			80	0.34
3.5+5.0					10.4		7.4			83	0.40
5.0+5.0					9.3		6.6			86	0.45
2.5+2.5+2.5					9.5		6.8			120	0.51
2.5+2.5+3.5					9.6		6.7			120	0.51
2.5+2.5+5.0					8.6		6.1			123	0.57
2.5+3.5+3.5					9.6		6.6			120	0.51

Cooling [50Hz 240V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	240	216	264	5.0	20	3.4	44	0.30	40	0.17
3.5					7.0		5.0			40	0.17
5.0					9.1		6.8			43	0.23
2.5+2.5					9.7		6.3			80	0.34
2.5+3.5					10.2		8.1			80	0.34
2.5+5.0					9.9		7.2			83	0.40
3.5+3.5					10.2		8.1			80	0.34
3.5+5.0					10.0		7.0			83	0.40
5.0+5.0					9.0		6.3			86	0.45
2.5+2.5+2.5					9.1		6.5			120	0.51
2.5+2.5+3.5					9.2		6.4			120	0.51
2.5+2.5+5.0					8.3		5.8			123	0.57
2.5+3.5+3.5					9.2		6.3			120	0.51

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50Hz 220V-230V-240V/60Hz 220V-230V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)
6. The above is the value for connecting with the following indoor units. 2.5, 3.5 kW class; wall mounted D series
   5.0 kW class; wall mounted F series.

3D050201#1
3D050201#2
3D050201#3

11.3 3MKD75DVM

Cooling [50/60Hz 220V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	220	198	242	5.5	20	3.4	68	0.41	40	0.17
3.5					7.4		5.5			40	0.17
5.0					9.4		7.3			43	0.23
6.0					11.8		10.0			45	0.25
7.1					13.8		12.9			50	0.28
2.5+2.5					10.9		6.8			80	0.34
2.5+3.5					12.0		9.5			80	0.34
2.5+5.0					12.5		11.2			83	0.40
2.5+6.0					13.6		11.1			85	0.42
2.5+7.1					14.5		11.9			90	0.45
3.5+3.5					13.6		12.1			80	0.34
3.5+5.0					13.9		11.2			83	0.40
3.5+6.0					14.1		12.0			85	0.42
3.5+7.1					15.0		11.9			90	0.45
5.0+5.0					14.3		11.2			86	0.45
5.0+6.0					14.5		11.1			88	0.48
5.0+7.1					15.8		11.0			93	0.50
6.0+6.0					15.6		11.1			90	0.50
6.0+7.1					16.1		10.9			95	0.53
2.5+2.5+2.5					12.3		9.5			120	0.51
2.5+2.5+3.5					13.0		10.3			120	0.51
2.5+2.5+5.0					13.2		10.5			123	0.57
2.5+2.5+6.0					13.6		10.3			125	0.59
2.5+2.5+7.1					14.4		10.3			130	0.62
2.5+3.5+3.5					13.7		10.8			120	0.51
2.5+3.5+5.0					13.7		10.3			123	0.57
2.5+3.5+6.0					14.1		10.3			125	0.59
2.5+3.5+7.1					15.0		10.1			130	0.62
2.5+5.0+5.0					13.7		10.2			126	0.62
2.5+5.0+6.0					14.2		9.9			128	0.65
3.5+3.5+3.5					14.4		10.9			120	0.51
3.5+3.5+5.0					14.5		10.3			123	0.57
3.5+3.5+6.0					15.0		10.1			125	0.59
3.5+5.0+5.0					14.0		9.7			126	0.62

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50Hz 220V-230V-240V/60Hz 220V-230V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)
6. The above is the value for connecting with the following indoor units.
   2.5, 3.5 kW class; wall mounted D series
   5.0, 6.5, 7.1 kW class; wall mounted F series

3D050202#1

Cooling [50/60Hz 230V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	230	207	253	5.3	20	3.2	68	0.41	40	0.17
3.5					7.1		5.3			40	0.17
5.0					9.0		7.0			43	0.23
6.0					11.3		9.6			45	0.25
7.1					13.2		12.3			50	0.28
2.5+2.5					10.4		6.4			80	0.34
2.5+3.5					11.5		9.0			80	0.34
2.5+5.0					11.9		10.6			83	0.40
2.5+6.0					13.0		10.6			85	0.42
2.5+7.1					13.8		11.4			90	0.45
3.5+3.5					13.0		11.6			80	0.34
3.5+5.0					13.3		10.7			83	0.40
3.5+6.0					13.5		11.5			85	0.42
3.5+7.1					14.4		11.3			90	0.45
5.0+5.0					13.7		10.7			86	0.45
5.0+6.0					13.8		10.6			88	0.48
5.0+7.1					15.1		10.5			93	0.50
6.0+6.0					14.9		10.5			90	0.50
6.0+7.1					15.4		10.4			95	0.53
2.5+2.5+2.5					11.8		9.1			120	0.51
2.5+2.5+3.5					12.4		9.8			120	0.51
2.5+2.5+5.0					12.7		10.0			123	0.57
2.5+2.5+6.0					13.0		9.8			125	0.59
2.5+2.5+7.1					13.8		9.8			130	0.62
2.5+3.5+3.5					13.1		10.3			120	0.51
2.5+3.5+5.0					13.1		9.8			123	0.57
2.5+3.5+6.0					13.5		9.8			125	0.59
2.5+3.5+7.1					14.4		9.6			130	0.62
2.5+5.0+5.0					13.1		9.7			126	0.62
2.5+5.0+6.0					13.6		9.4			128	0.65
3.5+3.5+3.5					13.8		10.4			120	0.51
3.5+3.5+5.0					13.8		9.8			123	0.57
3.5+3.5+6.0					14.4		9.7			125	0.59
3.5+5.0+5.0					13.4		9.2			126	0.62

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50Hz 220V-230V-240V/60Hz 220V-230V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)
6. The above is the value for connecting with the following indoor units.
   2.5, 3.5 kW class; wall mounted D series
   5.0, 6.5, 7.1 kW class; wall mounted F series

3D050202#2

Cooling [50Hz 240V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	240	216	264	5.0	20	3.1	68	0.41	40	0.17
3.5					6.8		5.0			40	0.17
5.0					8.6		6.7			43	0.23
6.0					10.9		9.1			45	0.25
7.1					12.7		11.8			50	0.28
2.5+2.5					10.0		6.1			80	0.34
2.5+3.5					11.0		8.6			80	0.34
2.5+5.0					11.4		10.2			83	0.40
2.5+6.0					12.5		10.2			85	0.42
2.5+7.1					13.3		10.9			90	0.45
3.5+3.5					12.5		11.1			80	0.34
3.5+5.0					12.7		10.3			83	0.40
3.5+6.0					12.9		11.0			85	0.42
3.5+7.1					13.8		10.8			90	0.45
5.0+5.0					13.1		10.3			86	0.45
5.0+6.0					13.3		10.1			88	0.48
5.0+7.1					14.5		10.0			93	0.50
6.0+6.0					14.3		10.1			90	0.50
6.0+7.1					14.7		10.0			95	0.53
2.5+2.5+2.5					11.3		8.7			120	0.51
2.5+2.5+3.5					11.9		9.4			120	0.51
2.5+2.5+5.0					12.1		9.5			123	0.57
2.5+2.5+6.0					12.5		9.4			125	0.59
2.5+2.5+7.1					13.2		9.4			130	0.62
2.5+3.5+3.5					12.6		9.8			120	0.51
2.5+3.5+5.0					12.6		9.4			123	0.57
2.5+3.5+6.0					12.9		9.4			125	0.59
2.5+3.5+7.1					13.8		9.2			130	0.62
2.5+5.0+5.0					12.6		9.3			126	0.62
2.5+5.0+6.0					13.0		9.0			128	0.65
3.5+3.5+3.5					13.2		9.9			120	0.51
3.5+3.5+5.0					13.3		9.4			123	0.57
3.5+3.5+6.0					13.8		9.2			125	0.59
3.5+5.0+5.0					12.8		8.8			126	0.62

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50Hz 220V-230V-240V/60Hz 220V-230V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)
6. The above is the value for connecting with the following indoor units.
   2.5, 3.5 kW class; wall mounted D series
   5.0, 6.5, 7.1 kW class; wall mounted F series

3D050202#3

11.4 4MKD75DVM

Cooling [50/60Hz 220V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	220	198	242	5.5	20	3.4	68	0.41	40	0.17
3.5					7.4		5.5			40	0.17
5.0					9.4		7.3			43	0.23
6.0					11.8		10.0			45	0.25
7.1					13.8		12.9			50	0.28
2.5+2.5					10.9		6.8			80	0.34
2.5+3.5					12.0		9.5			80	0.34
2.5+5.0					12.5		11.2			83	0.40
2.5+6.0					13.6		11.1			85	0.42
2.5+7.1					14.5		11.9			90	0.45
3.5+3.5					13.6		12.1			80	0.34
3.5+5.0					13.9		11.2			83	0.40
3.5+6.0					14.1		12.0			85	0.42
3.5+7.1					15.0		11.9			90	0.45
5.0+5.0					14.3		11.2			86	0.45
5.0+6.0					14.5		11.1			88	0.48
5.0+7.1					15.8		11.0			93	0.50
6.0+6.0					15.6		11.1			90	0.50
6.0+7.1					16.1		10.9			95	0.53
2.5+2.5+2.5					12.3		9.6			120	0.51
2.5+2.5+3.5					13.0		10.3			120	0.51
2.5+2.5+5.0					13.2		10.5			123	0.57
2.5+2.5+6.0					13.6		10.3			125	0.59
2.5+2.5+7.1					14.4		10.3			130	0.62
2.5+3.5+3.5					13.7		10.8			120	0.51
2.5+3.5+5.0					13.7		10.3			123	0.57
2.5+3.5+6.0					14.1		10.3			125	0.59
2.5+3.5+7.1					15.0		10.1			130	0.62
2.5+5.0+5.0					13.7		10.2			126	0.62
2.5+5.0+6.0					14.2		9.9			128	0.65
3.5+3.5+3.5					14.4		10.9			120	0.51
3.5+3.5+5.0					14.5		10.3			123	0.57
3.5+3.5+6.0					15.0		10.1			125	0.59
3.5+5.0+5.0					14.0		9.7			126	0.62
2.5+2.5+2.5+2.5					13.5		9.7			160	0.69
2.5+2.5+2.5+3.5					14.2		9.6			160	0.69
2.5+2.5+2.5+5.0					14.4		9.4			163	0.74
2.5+2.5+2.5+6.0					14.8		9.3			165	0.76
2.5+2.5+3.5+3.5					14.7		9.5			160	0.69
2.5+2.5+3.5+5.0					14.8		9.4			163	0.74
2.5+3.5+3.5+3.5					15.1		9.4			160	0.69

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50Hz 220V-230V-240V/60Hz 220V-230V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)
6. The above is the value for connecting with the following indoor units.
   2.5, 3.5 kW class; wall mounted D series
   5.0, 6.5, 7.1 kW class; wall mounted F series

3D050203#1

Cooling [50/60Hz 230V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5					5.3		3.2			40	0.17
3.5					7.1		5.3			40	0.17
5.0					9.0		7.0			43	0.23
6.0					11.3		9.6			45	0.25
7.1					13.2		12.3			50	0.28
2.5+2.5					10.4		6.4			80	0.34
2.5+3.5					11.5		9.0			80	0.34
2.5+5.0					11.9		10.6			83	0.40
2.5+6.0					13.0		10.6			85	0.42
2.5+7.1					13.8		11.4			90	0.45
3.5+3.5					13.0		11.6			80	0.34
3.5+5.0					13.3		10.7			83	0.40
3.5+6.0					13.5		11.5			85	0.42
3.5+7.1					14.4		11.3			90	0.45
5.0+5.0					13.7		10.7			86	0.45
5.0+6.0					13.8		10.6			88	0.48
5.0+7.1					15.1		10.5			93	0.50
6.0+6.0					14.9		10.5			90	0.50
6.0+7.1					15.4		10.4			95	0.53
2.5+2.5+2.5					11.8		9.2			120	0.51
2.5+2.5+3.5	50/60	230	207	253	12.4	20	9.8	68	0.41	120	0.51
2.5+2.5+5.0					12.7		10.0			123	0.57
2.5+2.5+6.0					13.0		9.8			125	0.59
2.5+2.5+7.1					13.8		9.8			130	0.62
2.5+3.5+3.5					13.1		10.3			120	0.51
2.5+3.5+5.0					13.1		9.8			123	0.57
2.5+3.5+6.0					13.5		9.8			125	0.59
2.5+3.5+7.1					14.4		9.6			130	0.62
2.5+5.0+5.0					13.1		9.7			126	0.62
2.5+5.0+6.0					13.6		9.4			128	0.65
3.5+3.5+3.5					13.8		10.4			120	0.51
3.5+3.5+5.0					13.8		9.8			123	0.57
3.5+3.5+6.0					14.4		9.7			125	0.59
3.5+5.0+5.0					13.4		9.2			126	0.62
2.5+2.5+2.5+2.5					12.9		9.2			160	0.69
2.5+2.5+2.5+3.5					13.6		9.1			160	0.69
2.5+2.5+2.5+5.0					13.8		9.0			163	0.74
2.5+2.5+2.5+6.0					14.2		8.8			165	0.76
2.5+2.5+3.5+3.5					14.0		9.0			160	0.69
2.5+2.5+3.5+5.0					14.2		8.9			163	0.74
2.5+3.5+3.5+3.5					14.5		9.0			160	0.69

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50Hz 220V-230V-240V/60Hz 220V-230V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)
6. The above is the value for connecting with the following indoor units.
   2.5, 3.5 kW class; wall mounted D series
   5.0, 6.5, 7.1 kW class; wall mounted F series

3D050203#2

Cooling [50Hz 240V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5					5.0		3.1			40	0.17
3.5					6.8		5.0			40	0.17
5.0					8.6		6.7			43	0.23
6.0					10.9		9.1			45	0.25
7.1					12.7		11.8			50	0.28
2.5+2.5					10.0		6.1			80	0.34
2.5+3.5					11.0		8.6			80	0.34
2.5+5.0					11.4		10.2			83	0.40
2.5+6.0					12.5		10.2			85	0.42
2.5+7.1					13.3		10.9			90	0.45
3.5+3.5					12.5		11.1			80	0.34
3.5+5.0					12.7		10.3			83	0.40
3.5+6.0					12.9		11.0			85	0.42
3.5+7.1					13.8		10.8			90	0.45
5.0+5.0					13.1		10.3			86	0.45
5.0+6.0					13.3		10.1			88	0.48
5.0+7.1					14.5		10.0			93	0.50
6.0+6.0					14.3		10.1			90	0.50
6.0+7.1					14.7		10.0			95	0.53
2.5+2.5+2.5					11.3		8.7			120	0.51
2.5+2.5+3.5	50	240	216	264	11.9	20	9.4	68	0.41	120	0.51
2.5+2.5+5.0					12.1		9.5			123	0.57
2.5+2.5+6.0					12.5		9.4			125	0.59
2.5+2.5+7.1					13.2		9.4			130	0.62
2.5+3.5+3.5					12.6		9.8			120	0.51
2.5+3.5+5.0					12.6		9.4			123	0.57
2.5+3.5+6.0					12.9		9.4			125	0.59
2.5+3.5+7.1					13.8		9.2			130	0.62
2.5+5.0+5.0					12.6		9.3			126	0.62
2.5+5.0+6.0					13.0		9.0			128	0.65
3.5+3.5+3.5					13.2		9.9			120	0.51
3.5+3.5+5.0					13.3		9.4			123	0.57
3.5+3.5+6.0					13.8		9.2			125	0.59
3.5+5.0+5.0					12.8		8.8			126	0.62
2.5+2.5+2.5+2.5					12.4		8.8			160	0.69
2.5+2.5+2.5+3.5					13.0		8.7			160	0.69
2.5+2.5+2.5+5.0					13.2		8.6			163	0.74
2.5+2.5+2.5+6.0					13.6		8.4			165	0.76
2.5+2.5+3.5+3.5					13.5		8.6			160	0.69
2.5+2.5+3.5+5.0					13.6		8.5			163	0.74
2.5+3.5+3.5+3.5					13.9		8.6			160	0.69

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50Hz 220V-230V-240V/60Hz 220V-230V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)
6. The above is the value for connecting with the following indoor units.
   2.5, 3.5 kW class; wall mounted D series
   5.0, 6.5, 7.1 kW class; wall mounted F series

3D050203#3

11.5 4MKD100DVM

Cooling [50/60Hz 220V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	220	198	242	5.0	20	2.3	107	0.67	35	0.17
3.5					7.2		4.1			40	0.19
5.0					11.8		7.0			40	0.19
6.0					10.9		8.3			45	0.21
7.1					12.7		11.5			50	0.23
2.5+2.5					11.5		5.7			70	0.34
2.5+3.5					12.9		8.6			75	0.36
2.5+5.0					15.9		12.4			75	0.36
2.5+6.0					14.1		11.8			80	0.38
2.5+7.1					15.0		10.2			85	0.40
3.5+3.5					17.4		13.0			80	0.38
3.5+5.0					17.9		13.5			80	0.38
3.5+6.0					14.6		10.0			85	0.40
3.5+7.1					17.5		11.8			90	0.42
5.0+5.0					16.7		11.1			80	0.38
5.0+6.0					15.8		10.7			85	0.40
5.0+7.1					16.3		12.5			90	0.42
6.0+6.0					14.6		10.9			90	0.42
6.0+7.1					15.1		12.6			95	0.44
7.1+7.1					15.5		13.8			100	0.46
2.5+2.5+2.5					14.2		10.4			105	0.51
2.5+2.5+3.5					15.2		11.7			110	0.53
2.5+2.5+5.0					15.3		9.7			110	0.53
2.5+2.5+6.0					15.2		9.8			115	0.55
2.5+2.5+7.1					15.4		11.3			120	0.57
2.5+3.5+3.5					17.5		11.9			115	0.55
2.5+3.5+5.0					18.0		11.2			115	0.55
2.5+3.5+6.0					15.4		11.2			120	0.57
2.5+3.5+7.1					16.3		12.8			125	0.59
2.5+5.0+5.0					15.9		12.2			115	0.55
2.5+5.0+6.0					15.3		12.6			120	0.57
2.5+5.0+7.1					15.9		13.9			125	0.59
2.5+6.0+6.0					16.3		14.0			125	0.59
2.5+6.0+7.1					17.0		14.7			130	0.61
3.5+3.5+3.5					17.5		12.4			120	0.57
3.5+3.5+5.0					18.3		13.0			120	0.57
3.5+3.5+6.0					16.3		12.7			125	0.59
3.5+3.5+7.1					18.1		14.8			130	0.61
3.5+5.0+5.0					18.0		14.0			120	0.57
3.5+5.0+6.0					17.5		14.4			125	0.59
3.5+5.0+7.1					17.4		15.1			130	0.61
3.5+6.0+6.0					17.2		14.6			130	0.61
5.0+5.0+5.0					17.3		14.6			120	0.57
2.5+2.5+2.5+2.5					14.8		8.7			140	0.68
2.5+2.5+2.5+3.5					15.9		10.0			145	0.70
2.5+2.5+2.5+5.0					16.1		11.2			145	0.70
2.5+2.5+2.5+6.0					16.3		12.1			150	0.72
2.5+2.5+2.5+7.1					17.2		14.1			155	0.74
2.5+2.5+3.5+3.5					15.9		11.5			150	0.72
2.5+2.5+3.5+5.0					17.3		12.7			150	0.72
2.5+2.5+3.5+6.0					17.4		13.9			155	0.74
2.5+2.5+3.5+7.1					17.2		13.9			160	0.76
2.5+2.5+5.0+5.0					17.3		14.5			150	0.72
2.5+3.5+3.5+3.5					16.9		13.2			155	0.74
2.5+3.5+3.5+5.0					17.0		14.6			155	0.74
2.5+3.5+3.5+6.0					17.2		14.4			160	0.76
3.5+3.5+3.5+3.5					17.9		15.3			160	0.76
3.5+3.5+3.5+5.0					17.5		15.3			160	0.76

SYMBOLS:
MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:
1. RLA is based on the following conditions.
   Power Supply: 50Hz 220V-230V-240V/60Hz 220V-230V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)
6. The above is the value for connecting with the following indoor units.
   2.5 kW class; FTKD25DVM
   3.5 kW class; FTKD35DVM
   5.0 kW class; FTKD50FVM
   6.0 kW class; FTKD60FVM
   7.1 kW class; FTKD71FVM

3D050029#1
3D050029#2

Cooling [50/60Hz 230V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	230	207	253	4.8	20	2.2	107	0.67	35	0.16
3.5					6.9		3.9			40	0.18
5.0					11.3		6.6			40	0.18
6.0					10.5		7.9			45	0.20
7.1					12.1		11.0			50	0.22
2.5+2.5					11.0		5.5			70	0.32
2.5+3.5					12.4		8.2			75	0.34
2.5+5.0					15.2		11.8			75	0.34
2.5+6.0					13.5		11.3			80	0.36
2.5+7.1					14.4		9.7			85	0.38
3.5+3.5					16.6		12.5			80	0.36
3.5+5.0					17.1		13.0			80	0.36
3.5+6.0					13.9		9.5			85	0.38
3.5+7.1					16.7		11.2			90	0.40
5.0+5.0					16.0		10.7			80	0.36
5.0+6.0					15.1		10.2			85	0.38
5.0+7.1					15.5		11.9			90	0.40
6.0+6.0					14.0		10.4			90	0.40
6.0+7.1					14.4		12.0			95	0.42
7.1+7.1					14.8		13.2			100	0.44
2.5+2.5+2.5					13.6		9.9			105	0.48
2.5+2.5+3.5					14.6		11.1			110	0.50
2.5+2.5+5.0					14.7		9.3			110	0.50
2.5+2.5+6.0					14.5		9.3			115	0.52
2.5+2.5+7.1					14.7		10.7			120	0.54
2.5+3.5+3.5					16.8		11.4			115	0.52
2.5+3.5+5.0					17.2		10.7			115	0.52
2.5+3.5+6.0					14.7		10.7			120	0.54
2.5+3.5+7.1					15.6		12.3			125	0.56
2.5+5.0+5.0					15.2		11.6			115	0.52
2.5+5.0+6.0					14.6		12.0			120	0.54
2.5+5.0+7.1					15.2		13.3			125	0.56
2.5+6.0+6.0					15.5		13.5			125	0.56
2.5+6.0+7.1					16.2		14.0			130	0.58
3.5+3.5+3.5					16.8		11.8			120	0.54
3.5+3.5+5.0					17.5		12.4			120	0.54
3.5+3.5+6.0					15.6		12.2			125	0.56
3.5+3.5+7.1					17.3		14.1			130	0.58
3.5+5.0+5.0					17.2		13.3			120	0.54
3.5+5.0+6.0					16.8		13.8			125	0.56
3.5+5.0+7.1					16.6		14.4			130	0.58
3.5+6.0+6.0					16.5		13.9			130	0.58
5.0+5.0+5.0					16.5		14.0			120	0.54
2.5+2.5+2.5+2.5					14.1		8.4			140	0.64
2.5+2.5+2.5+3.5					15.2		9.6			145	0.66
2.5+2.5+2.5+5.0					15.4		10.7			145	0.66
2.5+2.5+2.5+6.0					15.5		11.6			150	0.68
2.5+2.5+2.5+7.1					16.4		13.4			155	0.70
2.5+2.5+3.5+3.5					15.2		10.9			150	0.68
2.5+2.5+3.5+5.0					16.5		12.1			150	0.68
2.5+2.5+3.5+6.0					16.6		13.3			155	0.70
2.5+2.5+3.5+7.1					16.4		13.2			160	0.72
2.5+2.5+5.0+5.0					16.5		13.8			150	0.68
2.5+3.5+3.5+3.5					16.1		12.5			155	0.70
2.5+3.5+3.5+5.0					16.3		13.9			155	0.70
2.5+3.5+3.5+6.0					16.5		13.8			160	0.72
3.5+3.5+3.5+3.5					17.1		14.5			160	0.72
3.5+3.5+3.5+5.0					16.8		14.6			160	0.72

SYMBOLS:
MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:
1. RLA is based on the following conditions.
   Power Supply: 50Hz 220V-230V-240V/60Hz 220V-230V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)
6. The above is the value for connecting with the following indoor units.
   2.5 kW class; FTKD25DVM
   3.5 kW class; FTKD35DVM
   5.0 kW class; FTKD50FVM
   6.0 kW class; FTKD60FVM
   7.1 kW class; FTKD71FVM

3D050029#3
3D050029#4

Cooling [50Hz 240V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	240	216	264	4.6	20	2.1	107	0.67	35	0.15
3.5					6.6		3.8			40	0.17
5.0					10.8		6.4			40	0.17
6.0					10.0		7.6			45	0.19
7.1					11.6		10.5			50	0.21
2.5+2.5					10.6		5.2			70	0.30
2.5+3.5					11.9		7.8			75	0.32
2.5+5.0					14.6		11.3			75	0.32
2.5+6.0					12.9		10.8			80	0.34
2.5+7.1					13.8		9.4			85	0.36
3.5+3.5					16.0		12.0			80	0.34
3.5+5.0					16.4		12.4			80	0.34
3.5+6.0					13.3		9.2			85	0.36
3.5+7.1					16.0		10.7			90	0.38
5.0+5.0					15.3		10.2			80	0.34
5.0+6.0					14.5		9.9			85	0.36
5.0+7.1					14.9		11.4			90	0.38
6.0+6.0					13.4		9.9			90	0.38
6.0+7.1					13.8		11.4			95	0.40
7.1+7.1					14.2		12.6			100	0.42
2.5+2.5+2.5					13.0		9.5			105	0.45
2.5+2.5+3.5					14.0		10.7			110	0.47
2.5+2.5+5.0					14.1		8.9			110	0.47
2.5+2.5+6.0					13.9		8.9			115	0.49
2.5+2.5+7.1					14.1		10.2			120	0.51
2.5+3.5+3.5					16.1		10.8			115	0.49
2.5+3.5+5.0					16.5		10.2			115	0.49
2.5+3.5+6.0					14.1		10.2			120	0.51
2.5+3.5+7.1					14.9		11.8			125	0.53
2.5+5.0+5.0					14.6		11.0			115	0.49
2.5+5.0+6.0					14.0		11.5			120	0.51
2.5+5.0+7.1					14.6		12.7			125	0.53
2.5+6.0+6.0					14.9		12.9			125	0.53
2.5+6.0+7.1					15.6		13.5			130	0.55
3.5+3.5+3.5					16.1		11.3			120	0.51
3.5+3.5+5.0					16.8		11.8			120	0.51
3.5+3.5+6.0					14.9		11.6			125	0.53
3.5+3.5+7.1					16.6		13.5			130	0.55
3.5+5.0+5.0					16.5		12.7			120	0.51
3.5+5.0+6.0					16.1		13.2			125	0.53
3.5+5.0+7.1					15.9		13.9			130	0.55
3.5+6.0+6.0					15.8		13.4			130	0.55
5.0+5.0+5.0					15.8		13.3			120	0.51
2.5+2.5+2.5+2.5					13.6		8.0			140	0.60
2.5+2.5+2.5+3.5					14.6		9.1			145	0.62
2.5+2.5+2.5+5.0					14.8		10.2			145	0.62
2.5+2.5+2.5+6.0					14.9		11.1			150	0.64
2.5+2.5+2.5+7.1					15.7		12.9			155	0.66
2.5+2.5+3.5+3.5					14.6		10.5			150	0.64
2.5+2.5+3.5+5.0					15.8		11.7			150	0.64
2.5+2.5+3.5+6.0					16.0		12.8			155	0.66
2.5+2.5+3.5+7.1					15.7		12.6			160	0.68
2.5+2.5+5.0+5.0					15.8		13.3			150	0.64
2.5+3.5+3.5+3.5					15.4		12.0			155	0.66
2.5+3.5+3.5+5.0					15.6		13.4			155	0.66
2.5+3.5+3.5+6.0					15.8		13.1			160	0.68
3.5+3.5+3.5+3.5					16.4		13.9			160	0.68
3.5+3.5+3.5+5.0					16.1		13.9			160	0.68

SYMBOLS:
MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:
1. RLA is based on the following conditions.
   Power Supply: 50Hz 220V-230V-240V/60Hz 220V-230V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)
6. The above is the value for connecting with the following indoor units.
   2.5 kW class; FTKD25DVM
   3.5 kW class; FTKD35DVM
   5.0 kW class; FTKD50FVM
   6.0 kW class; FTKD60FVM
   7.1 kW class; FTKD71FVM

3D050029#5
3D050029#6

Part 3
Multi-Split System Room Air Conditioners SUPER MULTI NX B-Series Heat Pump

FTXE25BVMA8	FLX25AVMA	3MXD68BVMA8
FTXE35BVMA8	FLX35AVMA	4MXD80BVMA
FTXD50FVM	FLX50AVMA8	
FTXD60FVM	FLX60AVMA8	
FTXD71FVM		
CDXD25CVMA		
CDXD35CVMA		
CDXD50CVMA		
CDXD60CVMA		
CDXD25EAVMA		
CDXD35EAVMA		

1. Power Supply

Indoor Unit		Outdoor Unit	Power Supply
Wall Mounted Type	FTXE25BVMA8	3MXD68BVMA8 4MXD80BVMA	1ϕ, 220-240V, 50Hz 1ϕ, 220-230V, 60Hz
	FTXE35BVMA8		
	FTXD50FVM		
	FTXD60FVM		
	FTXD71FVM		
Duct Connected Type	CDXD25CVMA		
	CDXD35CVMA		
	CDXD50CVMA		
	CDXD60CVMA		
	CDXD25EAVMA		
	CDXD35EAVMA		
Floor / Ceiling Suspended Dual Type	FLX25AVMA		
	FLX35AVMA		
	FLX50AVMA8		
	FLX60AVMA8		

Note: Power Supply Intake ; Outdoor Unit

2. Functions

Category	Functions	FTXE25/35BVMA8	FTXD50-71FVM	Category	Functions	FTXE25/35BVMA8	FTXD50-71FVM
Basic Function	Inverter (with Inverter Power Control)	○	○	Health & Clean	Air Purifying Filter with Bacteriostatic & Virustatic Functions	○	—
	Operation Limit for Cooling (°CDB)	—	—		Photocatalytic Deodorizing Filter	○	—
	Operation Limit for Heating (°CWB)	—	—		Air Purifying Filter with Photocatalytic Deodorizing Function	—	○
	PAM Control	—	—		Titanium Apatite Photocatalytic Air-Purifying Filter	—	—
Compressor	Oval Scroll Compressor	—	—		Longlife Filter	—	—
	Swing Compressor	—	—		Mold Proof Air Filter	○	○
	Rotary Compressor	—	—		Wipe-clean Flat Panel	○	○
	Reluctance DC Motor	—	—		Washable Grille	—	—
Comfortable Airflow	Power-Airflow Flap	—	—		Mold Proof Operation	—	—
	Power-Airflow Dual Flaps	○	○		Heating Dry Operation	—	—
	Power-Airflow Diffuser	—	—		Good-Sleep Cooling Operation	—	—
	Wide-Angle Louvers	○	○	Timer	24-Hour On/Off Timer	○	○
	Vertical Auto-Swing (Up and Down)	○	○		Night Set Mode	○	○
	Horizontal Auto-Swing (Right and Left)	—	○	Worry Free “Reliability & Durability”	Auto-Restart (after Power Failure)	○	○
	3-D Airflow	—	○		Self-Diagnosis (Digital, LED) Display	○	○
	3-Step Airflow (H/P Only)	—	—		Wiring-Error Check	—	—
Comfort Control	Auto Fan Speed	○	○		Anticorrosion Treatment of Outdoor Heat Exchanger	—	—
	Indoor Unit Quiet Operation	○	○	Flexibility	Multi-Split / Split Type Compatible Indoor Unit	○	○
	Night Quiet Mode (Automatic)	—	—		Flexible Voltage Correspondence	○	○
	Outdoor Unit Quiet Operation (Manual)	—	—		High Ceiling Application	—	—
	Intelligent Eye	○	○		Chargeless	—	—
	Quick Warming Function	—	—		Either Side Drain	○	○
	Hot-Start Function	○	○		Power-Selection	—	—
	Automatic Defrosting	—	—	Remote Control	5-Rooms Centralized Controller (Option)	○	○
Operation	Automatic Operation	○	○		Remote Control Adaptor (Normal Open-Pulse Contact) (Option)	○	○
	Programme Dry Function	○	○		Remote Control Adaptor (Normal Open Contact) (Option)	○	○
	Fan Only	○	○		DIII-NET Compatible (Adaptor) (Option)	○	○
Lifestyle Convenience	New Powerful Operation (Non-Inverter)	—	—	Remote Controller	Wireless	○	○
	Inverter Powerful Operation	○	○		Wired	—	—
	Priority-Room Setting	—	—				
	Cooling / Heating Mode Lock	—	—				
	Home Leave Operation	○	○				
	ECONO Mode	—	—				
	Indoor Unit On/Off Switch	○	○				
	Signal Reception Indicator	○	○				
	Another Room Operation	—	—				

Note: ○ : Holding Functions
— : No Functions

Category	Functions	CDXD25-60CVMA	CDXD25/35EAVMA	Category	Functions	CDXD25-60CVMA	CDXD25/35EAVMA
Basic Function	Inverter (with Inverter Power Control)	○	○	Health & Clean	Air Purifying Filter with Bacteriostatic & Virustatic Functions	—	—
	Operation Limit for Cooling (°CDB)	—	—		Photocatalytic Deodorizing Filter	—	—
	Operation Limit for Heating (°CWB)	—	—		Air Purifying Filter with Photocatalytic Deodorizing Function	—	—
	PAM Control	—	—		Titanium Apatite Photocatalytic Air-Purifying Filter	—	—
Compressor	Oval Scroll Compressor	—	—		Longlife Filter	—	—
	Swing Compressor	—	—		Mold Proof Air Filter	—	—
	Rotary Compressor	—	—		Wipe-clean Flat Panel	—	—
	Reluctance DC Motor	—	—		Washable Grille	—	—
Comfortable Airflow	Power-Airflow Flap	—	—		Mold Proof Operation	—	—
	Power-Airflow Dual Flaps	—	—		Heating Dry Operation	—	—
	Power-Airflow Diffuser	—	—		Good-Sleep Cooling Operation	—	—
	Wide-Angle Louvers	—	—	Timer	24-Hour On/Off Timer	○	○
	Vertical Auto-Swing (Up and Down)	—	—		Night Set Mode	○	○
	Horizontal Auto-Swing (Right and Left)	—	—	Worry Free “Reliability & Durability”	Auto-Restart (after Power Failure)	○	○
	3-D Airflow	—	—		Self-Diagnosis (Digital, LED) Display	○	○
	3-Step Airflow (H/P Only)	—	—		Wiring-Error Check	—	—
Comfort Control	Auto Fan Speed	○	○		Anticorrosion Treatment of Outdoor Heat Exchanger	—	—
	Indoor Unit Quiet Operation	○	○	Flexibility	Multi-Split / Split Type Compatible Indoor Unit	—	—
	Night Quiet Mode (Automatic)	—	—		Flexible Voltage Correspondence	○	○
	Outdoor Unit Quiet Operation (Manual)	—	—		High Ceiling Application	—	—
	Intelligent Eye	—	—		Chargeless	—	—
	Quick Warming Function	—	—		Either Side Drain	—	—
	Hot-Start Function	○	○		Power-Selection	—	—
	Automatic Defrosting	—	—	Remote Control	5-Rooms Centralized Controller (Option)	○	○
Operation	Automatic Operation	○	○		Remote Control Adaptor (Normal Open-Pulse Contact) (Option)	○	○
	Programme Dry Function	○	○		Remote Control Adaptor (Normal Open Contact) (Option)	○	○
	Fan Only	○	○		DIII-NET Compatible (Adaptor) (Option)	○	○
Lifestyle Convenience	New Powerful Operation (Non-Inverter)	—	—	Remote Controller	Wireless	○	○
	Inverter Powerful Operation	○	○		Wired	—	—
	Priority-Room Setting	—	—				
	Cooling / Heating Mode Lock	—	—				
	Home Leave Operation	○	○				
	ECONO Mode	—	—				
	Indoor Unit On/Off Switch	○	○				
	Signal Reception Indicator	○	○				
	Another Room Operation	—	—				

Note: ○ : Holding Functions
— : No Functions

Category	Functions	FLX25/35AVMA FLX50/60AVMA8	3MXD68BVMA8 4MXD80BVMA	Category	Functions	FLX25/35AVMA FLX50/60AVMA8	3MXD68BVMA8 4MXD80BVMA
Basic Function	Inverter (with Inverter Power Control)	○	○	Health & Clean	Air Purifying Filter with Bacteriostatic & Virustatic Functions	○	—
	Operation Limit for Cooling (°CDB)	—	–10 ~ 46		Photocatalytic Deodorizing Filter	○	—
	Operation Limit for Heating (°CWB)	—	–15 ~ 15.5		Air Purifying Filter with Photocatalytic Deodorizing Function	—	—
	PAM Control	—	○		Titanium Apatite Photocatalytic Air-Purifying Filter	—	—
Compressor	Oval Scroll Compressor	—	—		Longlife Filter	—	—
	Swing Compressor	—	○		Mold Proof Air Filter	○	—
	Rotary Compressor	—	—		Wipe-clean Flat Panel	—	—
	Reluctance DC Motor	—	○		Washable Grille	—	—
Comfortable Airflow	Power-Airflow Flap	—	—		Mold Proof Operation	—	—
	Power-Airflow Dual Flaps	—	—		Heating Dry Operation	—	—
	Power-Airflow Diffuser	—	—		Good-Sleep Cooling Operation	—	—
	Wide-Angle Louvers	—	—	Timer	24-Hour On/Off Timer	○	—
	Vertical Auto-Swing (Up and Down)	○	—		Night Set Mode	○	—
	Horizontal Auto-Swing (Right and Left)	—	—	Worry Free “Reliability & Durability”	Auto-Restart (after Power Failure)	○	—
	3-D Airflow	—	—		Self-Diagnosis (Digital, LED) Display	○	○
	3-Step Airflow (H/P Only)	—	—		Wiring-Error Check	—	○
Comfort Control	Auto Fan Speed	○	—		Anticorrosion Treatment of Outdoor Heat Exchanger	—	○
	Indoor Unit Quiet Operation	○	—	Flexibility	Multi-Split / Split Type Compatible Indoor Unit	○	—
	Night Quiet Mode (Automatic)	—	○		Flexible Voltage Correspondence	○	○
	Outdoor Unit Quiet Operation (Manual)	—	○		High Ceiling Application	—	—
	Intelligent Eye	—	—		Chargeless	—	★
	Quick Warming Function	—	○		Either Side Drain	—	—
	Hot-Start Function	○	—		Power-Selection	—	—
	Automatic Defrosting	—	○	Remote Control	5-Rooms Centralized Controller (Option)	○	—
Operation	Automatic Operation	○	—		Remote Control Adaptor (Normal Open-Pulse Contact) (Option)	○	—
	Programme Dry Function	○	—		Remote Control Adaptor (Normal Open Contact) (Option)	○	—
	Fan Only	○	—		DIII-NET Compatible (Adaptor) (Option)	○	—
Lifestyle Convenience	New Powerful Operation (Non-Inverter)	—	—	Remote Controller	Wireless	○	—
	Inverter Powerful Operation	○	—		Wired	—	—
	Priority-Room Setting	—	○				
	Cooling / Heating Mode Lock	—	○				
	Home Leave Operation	○	—				
	ECONO Mode	—	—				
	Indoor Unit On/Off Switch	○	—				
	Signal Reception Indicator	○	—				
	Another Room Operation	—	—				

Note: ○ : Holding Functions
— : No Functions

★ : 68 class ; 30m / 80 class ; 40m

3. Specifications

3.1 Indoor Units

Wall Mounted Type

50Hz 220-230-240V / 60Hz 220-230V

Model			FTXE25BVMA8		FTXE35BVMA8	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			2.5kW Class		3.5kW Class	
Front Panel Color			White		White	
Air Flow Rates	m³/min (cfm)	H	7.8 (275)	8.1 (286)	7.7 (272)	8.1 (286)
		M	6.4 (226)	6.6 (233)	6.3 (222)	6.6 (233)
		L	5.0 (177)	5.1 (180)	4.9 (173)	5.1 (180)
		SL	4.3 (152)	4.3 (152)	4.4 (155)	4.4 (155)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	W	18		18	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable-Washable-Mildew Proof		Removable-Washable-Mildew Proof	
Running Current (Rated)		A	0.17-0.18-0.18/0.21-0.21	0.17-0.18-0.18/0.21-0.21	0.17-0.18-0.18/0.21-0.21	0.17-0.18-0.18/0.21-0.21
Power Consumption (Rated)		W	37-40-43/45-48	37-40-43/45-48	37-40-43/45-48	37-40-43/45-48
Power Factor		%	98.9-96.6-99.5/97.4-99.4	98.9-96.6-99.5/97.4-99.4	98.9-96.6-99.5/97.4-99.4	98.9-96.6-99.5/97.4-99.4
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H×W×D)		mm	273×784×195		273×784×195	
Packaged Dimensions (H×W×D)		mm	258×834×325		258×834×325	
Weight		kg	7.5		7.5	
Gross Weight		kg	11		11	
Operation Sound	H/M/L/SL	dBA	37/34/30/27	37/33/30/27	38/35/32/29	38/35/31/28
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	Liquid	mm	ϕ 6.4		ϕ 6.4	
	Gas	mm	ϕ 9.5		ϕ12.7	
	Drain	mm	ϕ18.0		ϕ18.0	
Drawing No.			3D047553		3D047554	

Model			FTXD50FVM		FTXD60FVM	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			5.0kW Class		6.0kW Class	
Front Panel Color			White		White	
Air Flow Rates	m³/min (cfm)	H	16.8 (593)	17.5 (618)	17.5 (618)	18.7 (660)
		M	14.0 (494)	14.9 (526)	14.6 (516)	16.1 (569)
		L	11.8 (417)	12.5 (441)	12.2 (431)	13.6 (480)
		SL	10.4 (367)	11.0 (388)	10.8 (381)	11.8 (417)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	W	43		43	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable-Washable-Mildew Proof		Removable-Washable-Mildew Proof	
Running Current (Rated)		A	0.19-0.18-0.17/0.19-0.18	0.19-0.18-0.17/0.19-0.18	0.21-0.20-0.19/0.21-0.20	0.21-0.20-0.19/0.21-0.20
Power Consumption (Rated)		W	40	40	45	45
Power Factor		%	95.7-96.6-98.0/95.7-96.6	95.7-96.6-98.0/95.7-96.6	97.4-97.8-98.7/97.4-97.8	97.4-97.8-98.7/97.4-97.8
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H×W×D)		mm	290×1,050×238		290×1,050×238	
Packaged Dimensions (H×W×D)		mm	337×1,147×366		337×1,147×366	
Weight		kg	12		12	
Gross Weight		kg	17		17	
Operation Sound	H/M/L/SL	dBA	44/40/35/32	42/38/33/30	45/41/36/33	44/40/35/32
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	Liquid	mm	ϕ 6.4		ϕ 6.4	
	Gas	mm	ϕ12.7		ϕ15.9	
	Drain	mm	ϕ18.0		ϕ18.0	
Drawing No.			3D055908		3D055909	

★ See Page 143 “Combination Capacity”.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

50Hz 220-230-240V / 60Hz 220-230V

Model				FTXD71FVM	
				Cooling	Heating
Rated Capacity ★				7.1kW Class	
Front Panel Color				White	
Air Flow Rates		m³/min (cfm)	H	18.3 (646)	19.8 (699)
			M	15.3 (540)	17.1 (604)
			L	12.7 (448)	14.4 (508)
			SL	11.3 (399)	12.6 (445)
Fan	Type			Cross Flow Fan	
	Motor Output		W	43	
	Speed		Steps	5 Steps, Quiet, Auto	
Air Direction Control				Right, Left, Horizontal, Downward	
Air Filter				Removable-Washable-Mildew Proof	
Running Current (Rated)			A	0.23-0.22-0.21/0.23-0.22	0.23-0.22-0.21/0.23-0.22
Power Consumption (Rated)			W	50	50
Power Factor			%	98.8-98.8-99.2/98.8-98.8	98.8-98.8-99.2/98.8-98.8
Temperature Control				Microcomputer Control	
Dimensions (H×W×D)			mm	290×1,050×238	
Packaged Dimensions (H×W×D)			mm	337×1,147×366	
Weight			kg	12	
Gross Weight			kg	17	
Operation Sound	H/M/L/SL		dBA	46/42/37/34	46/42/37/34
Heat Insulation				Both Liquid and Gas Pipes	
Piping Connection		Liquid	mm	ϕ 9.5	
		Gas	mm	ϕ15.9	
		Drain	mm	ϕ18.0	
Drawing No.				3D055910	

★ See Page 143 “Combination Capacity”.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Duct Connected Type

50Hz 220-230-240V / 60Hz 220-230V

Model			CDXD25CVMA		CDXD35CVMA	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			2.5kW Class		3.5kW Class	
Front Panel Color			—		—	
Air Flow Rates	m³/min (cfm)	H	9.5 (335)	9.5 (335)	10.0 (353)	10.0 (353)
		M	8.8 (331)	8.8 (311)	9.3 (328)	9.3 (328)
		L	8.0 (282)	8.0 (282)	8.5 (300)	8.5 (300)
		SL	6.7 (237)	6.7 (237)	7.0 (247)	7.0 (247)
Fan	Type		Sirocco Fan		Sirocco Fan	
	Motor Output	W	62		62	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Running Current (Rated)		A	0.47-0.47-0.48/0.52-0.53	0.47-0.47-0.48/0.52-0.53	0.47-0.48-0.48/0.53-0.54	0.47-0.48-0.48/0.53-0.54
Power Consumption (Rated)		W	97-100-107/108-113	97-100-107/108-113	97-100-107/110-113	97-100-107/110-113
Power Factor		%	93.8-92.5-92.9/94.4-92.7	93.8-92.5-92.9/94.4-92.7	93.8-90.6-92.9/94.3-91.0	93.8-90.6-92.9/94.3-91.0
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H×W×D)		mm	200×900×620		200×900×620	
Packaged Dimensions (H×W×D)		mm	266×1,106×751		266×1,106×751	
Weight		kg	25		25	
Gross Weight		kg	31		31	
Operation Sound	H/M/L/SL	dBA	35/33/31/29	35/33/31/29	35/33/31/29	35/33/31/29
External Static Pressure		Pa	40		40	
Moisture Removal		L/h	1.2		1.9	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	Liquid	mm	ϕ 6.4		ϕ 6.4	
	Gas	mm	ϕ 9.5		ϕ12.7	
	Drain	mm	VP20 (O.D. ϕ 26 / I.D. ϕ 20)		VP20 (O.D. ϕ 26 / I.D. ϕ 20)	
Drawing No.			3D046069A		3D046070A	

Model			CDXD50CVMA		CDXD60CVMA	
			Cooling	Heating	Cooling	Heating
Rated Capacity ★			5.0kW Class		6.0kW Class	
Front Panel Color			—		—	
Air Flow Rates	m³/min (cfm)	H	12.0 (424)	12.0 (424)	16.0 (565)	16.0 (565)
		M	11.0 (388)	11.0 (388)	14.8 (523)	14.8 (523)
		L	10.0 (353)	10.0 (353)	13.5 (477)	13.5 (477)
		SL	8.4 (297)	8.4 (297)	11.2 (395)	11.2 (395)
Fan	Type		Sirocco Fan		Sirocco Fan	
	Motor Output	W	130		130	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Running Current (Rated)		A	0.65-0.66-0.67/0.79-0.80	0.65-0.66-0.67/0.79-0.80	0.74-0.75-0.75/0.89-0.90	0.74-0.75-0.75/0.89-0.90
Power Consumption (Rated)		W	133-140-150/164-167	133-140-150/164-167	152-160-168/185-187	152-160-168/185-187
Power Factor		%	93.0-92.2-93.3/94.4-90.8	93.0-92.2-93.3/94.4-90.8	93.4-92.8-93.3/94.5-90.3	93.4-92.8-93.3/94.5-90.3
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H×W×D)		mm	200×900×620		200×1,100×620	
Packaged Dimensions (H×W×D)		mm	266×1,106×751		266×1,306×751	
Weight		kg	27		30	
Gross Weight		kg	33		36	
Operation Sound	H/M/L/SL	dBA	37/35/33/31	37/35/33/31	38/36/34/32	38/36/34/32
External Static Pressure		Pa	40		40	
Moisture Removal		L/h	2.9		3.9	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	Liquid	mm	ϕ 6.4		ϕ 6.4	
	Gas	mm	ϕ12.7		ϕ15.9	
	Drain	mm	VP20 (O.D. ϕ 26 / I.D. ϕ 20)		VP20 (O.D. ϕ 26 / I.D. ϕ 20)	
Drawing No.			3D046071A		3D046072A	

Note:
1. ★ See Page 143 “Combination Capacity”.
2. The operating sound is based on the rear side suction inlet and the external static pressure 40 Pa. Operating sound for under side suction inlet : [operating sound for rear side suction inlet] +5 dB. However, when installation to which the external static pressure becomes low is carried out, 5 dB or more may go up.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

50Hz 220-230-240V / 60Hz 220-230V

Model				CDXD25EAVMA		CDXD35EAVMA	
				Cooling	Heating	Cooling	Heating
Rated Capacity ★				2.5kW Class		3.5kW Class	
Front Panel Color				—		—	
Air Flow Rates		m³/min (cfm)	H	8.7 (307)	8.7 (307)	8.7 (307)	8.7 (307)
			M	8.0 (282)	8.0 (282)	8.0 (282)	8.0 (282)
			L	7.3 (258)	7.3 (258)	7.3 (258)	7.3 (258)
			SL	6.2 (219)	6.2 (219)	6.2 (219)	6.2 (219)
Fan	Type			Sirocco Fan		Sirocco Fan	
	Motor Output		W	62		62	
	Speed		Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Running Current (Rated)			A	0.47-0.48-0.49/0.52-0.53	0.47-0.48-0.49/0.52-0.53	0.47-0.48-0.49/0.52-0.53	0.47-0.48-0.49/0.52-0.53
Power Consumption (Rated)			W	70-71-72/72-73	70-71-72/72-73	70-71-72/72-73	70-71-72/72-73
Power Factor			%	67.7-64.3-61.2/62.9-59.9	67.7-64.3-61.2/62.9-59.9	67.7-64.3-61.2/62.9-59.9	67.7-64.3-61.2/62.9-59.9
Temperature Control				Microcomputer Control		Microcomputer Control	
Dimensions (H×W×D)			mm	200×700×620		200×700×620	
Packaged Dimensions (H×W×D)			mm	274×906×751		274×906×751	
Weight			kg	21		21	
Gross Weight			kg	29		29	
Operation Sound	H/M/L/SL		dBA	35/33/31/29	35/33/31/29	35/33/31/29	35/33/31/29
External Static Pressure			Pa	35		35	
Heat Insulation				Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection		Liquid	mm	ϕ 6.4		ϕ 6.4	
		Gas	mm	ϕ 9.5		ϕ12.7	
		Drain	mm	VP20 (O.D. ϕ 26 / I.D. ϕ 20)		VP20 (O.D. ϕ 26 / I.D. ϕ 20)	
Drawing No.				3D051144		3D051145	

Note:
1. ★ See Page 143 “Combination Capacity”.
2. The operating sound is based on the rear side suction inlet and the external static pressure 35 Pa. Operating sound for under side suction inlet : [operating sound for rear side suction inlet] +6 dB. However, when installation to which the external static pressure becomes low is carried out, 6 dB or more may go up.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Floor / Ceiling Suspended Dual Type

50Hz 220-230-240V / 60Hz 220-230V

Model				FLX25AVMA		FLX35AVMA	
				Cooling	Heating	Cooling	Heating
Rated Capacity ★				2.5kW Class		3.5kW Class	
Front Panel Color				Almond White		Almond White	
Air Flow Rates		m³/min (cfm)	H	7.6 (268)	9.2 (325)	8.7 (307)	10.0 (353)
			M	6.8 (240)	8.3 (293)	7.7 (272)	9.0 (318)
			L	6.0 (212)	7.4 (261)	6.6 (233)	8.0 (282)
			SL	5.2 (184)	6.6 (233)	5.6 (198)	7.1 (251)
Fan	Type			Sirocco Fan		Sirocco Fan	
	Motor Output		W	34		34	
	Speed		Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control				Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter				Removal-Washable-Mildew Proof		Removal-Washable-Mildew Proof	
Running Current (Rated)			A	0.32-0.32-0.32/0.34-0.34	0.34-0.34-0.34/0.37-0.37	0.36-0.36-0.36/0.39-0.39	0.36-0.36-0.36/0.39-0.39
Power Consumption (Rated)			W	68-70-72/72-74	72-74-76/76-79	76-78-80/80-84	76-78-80/80-83
Power Factor			%	96.6-95.1-93.8/96.3-94.6	96.3-94.6-93.1/93.4-92.8	96.0-94.2-92.6/93.2-93.6	96.0-94.2-92.6/93.2-92.5
Temperature Control				Microcomputer Control		Microcomputer Control	
Dimensions (H×W×D)			mm	490×1,050×200		490×1,050×200	
Packaged Dimensions (H×W×D)			mm	280×1,100×566		280×1,100×566	
Weight			kg	16		16	
Gross Weight			kg	22		22	
Operation Sound	H/M/L/SL		dBA	37/34/31/28	37/34/31/28	38/35/32/29	39/36/33/30
Heat Insulation				Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection		Liquid	mm	ϕ 6.4		ϕ 6.4	
		Gas	mm	ϕ 9.5		ϕ12.7	
		Drain	mm	ϕ18.0		ϕ18.0	
Drawing No.				3D036690		3D036691	

Model				FLX50AVMA8		FLX60AVMA8	
				Cooling	Heating	Cooling	Heating
Rated Capacity ★				5.0kW Class		5.7kW Class	
Front Panel Color				Almond White		Almond White	
Air Flow Rates		m³/min (cfm)	H	11.4 (402)	12.1 (427)	12.0 (424)	12.8 (452)
			M	10.0 (353)	9.8 (346)	10.6 (374)	10.6 (374)
			L	8.5 (300)	7.5 (265)	9.3 (328)	8.4 (297)
			SL	7.5 (265)	6.8 (240)	8.3 (293)	7.5 (265)
Fan	Type			Sirocco Fan		Sirocco Fan	
	Motor Output		W	34		34	
	Speed		Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control				Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter				Removal-Washable-Mildew Proof		Removal-Washable-Mildew Proof	
Running Current (Rated)			A	0.45-0.45-0.45/0.48-0.49	0.45-0.45-0.45/0.48-0.48	0.47-0.47-0.47/0.51-0.51	0.45-0.45-0.45/0.48-0.48
Power Consumption (Rated)			W	94-96-98/98-100	94-96-98/98-100	96-98-100/100-104	94-96-98/98-101
Power Factor			%	94.9-92.8-90.7/92.8-88.7	94.9-92.8-90.7/92.8-90.6	92.8-90.7-88.7/89.1-88.7	94.9-92.8-90.7/92.8-91.5
Temperature Control				Microcomputer Control		Microcomputer Control	
Dimensions (H×W×D)			mm	490×1,050×200		490×1,050×200	
Packaged Dimensions (H×W×D)			mm	280×1,100×566		280×1,100×566	
Weight			kg	17		17	
Gross Weight			kg	24		24	
Operation Sound	H/M/L/SL		dBA	47/43/39/36	46/41/35/33	48/45/41/39	47/42/37/35
Heat Insulation				Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection		Liquid	mm	ϕ 6.4		ϕ 6.4	
		Gas	mm	ϕ12.7		ϕ15.9	
		Drain	mm	ϕ18.0		ϕ18.0	
Drawing No.				3D047573		3D047574	

★ See Page 143 “Combination Capacity”.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

3.2 Outdoor Units

50Hz 220-240V / 60Hz 220-230V

Model				3MXD68BVMA8		4MXD80BVMA	
				Cooling	Heating	Cooling	Heating
Cooling Capacity ★			kW	—		—	
Power Consumption ★			W	—		—	
Running Current ★			A	—		—	
Casing Color				Ivory White		Pale Ivory	
Compressor	Type			Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model			2YC45ZXD		2YC45ZXD	
	Motor Output		W	1,380		1,380	
Refrigerant Oil	Model			SUNISO 4GSD.I.		SUNISO 4GSD.I.	
	Charge		L	0.75		0.75	
Refrigerant	Type			R22		R22	
	Charge		kg	2.6		3.1	
Air Flow Rates		m³/min	H	51	47.6	48.5	45
			L	45	45	42	42
		cfm	H	1,472	1,374	1,400	1,299
			L	1,299	1,299	1,212	1,212
Fan	Type			Propeller		Propeller	
	Motor Output		W	53		51	
	Running Current		A	H: 0.33 / L: 0.25		H: 0.44 / L: 0.34	
	Power Consumption		W	H: 68 / L: 46		H: 60 / L: 41	
Starting Current			A	10.1		10.2	
Dimensions (H×W×D)			mm	735×936×300		908×900×320	
Packaged Dimensions (H×W×D)			mm	784×960×357		942×926×394	
Weight			kg	59		73	
Gross Weight			kg	63		80	
Operation Sound			dBA	48	49	48	49
Piping Connection		Liquid	mm	ϕ 6.4×3		ϕ 6.4×3, ϕ 9.5×1	
		Gas	mm	ϕ12.7×2, ϕ15.9×1		ϕ 9.5×1, ϕ12.7×1, ϕ15.9×2	
		Drain	mm	ϕ16.0		ϕ 25.0	
Heat Insulation				Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
No. of Wiring Connection				3 for Power Supply, 4 for Interunit Wiring		3 for Power Supply, 4 for Interunit Wiring	
Max. Interunit Piping Length			m	45 (for Total of Each Room)		70 (for Total of Each Room)	
			m	25 (for One Room)		25 (for One Room)	
Amount of Additional Charge			g/m	20 (30m or more)		20 (40m or more)	
Max. Installation Height Difference			m	15 (between Indoor Unit and Outdoor Unit)		15 (between Indoor Unit and Outdoor Unit)	
			m	7.5 (between Indoor Units)		7.5 (between Indoor Units)	
Drawing No.				3D039671#1		3D039672#1	

Note:
1. ★ See Page 143 "Combination Capacity".
2. The data are based on the conditions shown in the table below.

Cooling	Heating	Piping Length
Indoor ; 27°CDB/19°CWB Outdoor ; 35°CDB	Indoor ; 20°CDB Outdoor ; 7°CDB/6°CWB	7.5m

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

3.3 Combination Capacity

3.3.1 3MXD68BVMA8

Cooling [50/60Hz 220V]

Combination of Indoor Unit	Each Capacity (kW)				Total Capacity (kW)		Total Input (W)		Total Current (A)		Power Factor (%)
	A room	B room	C room	D room	Rating	(min~max)	Rating	(min~max)	Rating	(min~max)	Rating
2.5	2.50	—	—	—	2.50	1.58~3.02	830	440~1150	3.9	2.1~5.4	96
3.5	3.50	—	—	—	3.50	1.67~3.92	1250	460~1530	5.8	2.1~7.1	98
5.0	5.00	—	—	—	5.00	1.75~5.22	1810	530~1920	8.3	2.4~8.8	99
6.0	—	—	6.00	—	6.00	1.88~6.16	2700	560~2970	12.4	2.6~13.6	99
2.5+2.5	2.50	2.50	—	—	5.00	1.75~5.31	1710	470~1940	7.9	2.2~8.9	99
2.5+3.5	2.42	3.38	—	—	5.80	1.88~6.24	2290	500~2720	10.5	2.3~12.5	99
2.5+5.0	2.08	4.16	—	—	6.24	2.09~6.64	2090	560~2380	9.6	2.6~10.9	99
2.5+6.0	1.88	—	4.52	—	6.40	2.24~6.78	2220	600~2520	10.2	2.8~11.6	99
3.5+3.5	3.00	3.00	—	—	6.00	2.01~6.45	2430	530~2720	11.2	2.4~12.5	99
3.5+5.0	2.64	3.76	—	—	6.40	2.24~6.78	2260	610~2560	10.4	2.8~11.8	99
3.5+6.0	2.42	—	4.14	—	6.56	2.40~7.05	2390	640~2760	11.0	2.9~12.7	99
5.0+5.0	3.32	3.32	—	—	6.64	2.47~7.21	2100	610~2380	9.6	2.8~10.9	99
5.0+6.0	3.09	—	3.71	—	6.80	2.63~7.27	2190	640~2380	10.1	2.9~10.9	99
2.5+2.5+2.5	2.08	2.08	2.08	—	6.24	2.09~6.94	1860	530~2360	8.5	2.4~10.8	99
2.5+2.5+3.5	1.88	1.88	2.64	—	6.40	2.24~6.99	1980	570~2410	9.1	2.6~11.1	99
2.5+2.5+5.0	1.66	1.66	3.32	—	6.64	2.47~7.26	1940	580~2360	8.9	2.7~10.8	99
2.5+2.5+6.0	1.55	1.55	3.70	—	6.80	2.63~7.41	2110	620~2610	9.7	2.8~12.0	99
2.5+3.5+3.5	1.78	2.51	2.51	—	6.80	2.40~7.23	2170	610~2680	10.0	2.8~12.3	99
2.5+3.5+5.0	1.55	2.16	3.09	—	6.80	2.63~7.41	2110	620~2610	9.7	2.8~12.0	99
3.5+3.5+3.5	2.26	2.26	2.26	—	6.78	2.55~7.38	2150	660~2780	9.9	3.0~12.8	99

Heating [50/60Hz 220V]

Combination of Indoor Unit	Each Capacity (kW)				Total Capacity (kW)		Total Input (W)		Total Current (A)		Power Factor (%)
	A room	B room	C room	D room	Rating	(min~max)	Rating	(min~max)	Rating	(min~max)	Rating
2.5	3.86	—	—	—	3.86	1.46~4.75	1340	480~1730	6.2	2.2~8.0	98
3.5	4.42	—	—	—	4.42	1.61~5.40	1630	540~2130	7.5	2.5~9.8	99
5.0	6.13	—	—	—	6.13	1.84~7.40	2050	460~2820	9.4	2.1~12.9	99
6.0	—	—	7.32	—	7.32	2.00~8.35	2650	480~3320	12.2	2.2~15.2	99
2.5+2.5	3.55	3.55	—	—	7.10	2.14~7.95	2340	520~3030	10.7	2.4~13.9	99
2.5+3.5	3.18	4.45	—	—	7.63	2.26~8.40	2610	550~3330	12.0	2.5~15.3	99
2.5+5.0	2.83	5.67	—	—	8.50	2.44~8.87	2830	540~3060	13.0	2.5~14.0	99
2.5+6.0	2.53	—	6.07	—	8.60	2.55~9.15	2840	560~3110	13.0	2.6~14.3	99
3.5+3.5	4.00	4.00	—	—	8.00	2.38~8.55	2830	570~3240	13.0	2.6~14.9	99
3.5+5.0	3.54	5.06	—	—	8.60	2.55~9.15	2870	560~3150	13.2	2.6~14.5	99
3.5+6.0	3.17	—	5.43	—	8.60	2.68~9.25	2790	580~3130	12.8	2.7~14.4	99
5.0+5.0	4.30	4.30	—	—	8.60	2.74~9.45	2460	550~2880	11.3	2.5~13.2	99
5.0+6.0	3.91	—	4.69	—	8.60	2.86~9.55	2400	570~2870	11.0	2.6~13.2	99
2.5+2.5+2.5	2.86	2.86	2.86	—	8.58	2.80~9.40	2760	620~3170	12.7	2.8~14.6	99
2.5+2.5+3.5	2.53	2.53	3.54	—	8.60	2.95~9.41	2610	650~3170	12.0	3.0~14.6	99
2.5+2.5+5.0	2.15	2.15	4.30	—	8.60	3.18~9.55	2430	640~2850	11.2	2.9~13.1	99
2.5+2.5+6.0	1.95	1.95	4.70	—	8.60	3.33~9.60	2410	670~2820	11.1	3.1~12.9	99
2.5+3.5+3.5	2.26	3.17	3.17	—	8.60	3.10~9.45	2520	680~3170	11.6	3.1~14.6	99
2.5+3.5+5.0	1.95	2.74	3.91	—	8.60	3.33~9.60	2380	670~2860	10.9	3.1~13.1	99
3.5+3.5+3.5	2.86	2.86	2.86	—	8.58	3.25~9.55	2410	730~3070	11.1	3.4~14.1	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature).
   Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature).
2. The total ability of connected indoor units is up to 11.0kW.
3. It is impossible to connect the indoor unit for one room only.

3D039671#4
3D039671#5

Cooling [50Hz 240V]

Combination of Indoor Unit	Each Capacity (kW)				Total Capacity (kW)		Total Input (W)		Total Current (A)		Power Factor (%)
	A room	B room	C room	D room	Rating	(min~max)	Rating	(min~max)	Rating	(min~max)	Rating
2.5	2.50	—	—	—	2.50	1.58~3.02	830	440~1150	3.6	1.9~5.0	96
3.5	3.50	—	—	—	3.50	1.67~3.92	1250	460~1530	5.3	2.0~6.5	98
5.0	5.00	—	—	—	5.00	1.75~5.22	1810	530~1920	7.6	2.2~8.1	99
6.0	—	—	6.00	—	6.00	1.88~6.16	2700	560~2970	11.4	2.4~12.5	99
2.5+2.5	2.50	2.50	—	—	5.00	1.75~5.31	1710	470~1940	7.2	2.0~8.2	99
2.5+3.5	2.42	3.38	—	—	5.80	1.88~6.24	2290	500~2720	9.6	2.1~11.4	99
2.5+5.0	2.08	4.16	—	—	6.24	2.09~6.64	2090	560~2380	8.8	2.4~10.0	99
2.5+6.0	1.88	—	4.52	—	6.40	2.24~6.78	2220	600~2520	9.3	2.5~10.6	99
3.5+3.5	3.00	3.00	—	—	6.00	2.01~6.45	2430	530~2720	10.2	2.2~11.4	99
3.5+5.0	2.64	3.76	—	—	6.40	2.24~6.78	2260	610~2560	9.5	2.6~10.8	99
3.5+6.0	2.42	—	4.14	—	6.56	2.40~7.05	2390	640~2760	10.1	2.7~11.6	99
5.0+5.0	3.32	3.32	—	—	6.64	2.47~7.21	2100	610~2380	8.8	2.6~10.0	99
5.0+6.0	3.09	—	3.71	—	6.80	2.63~7.27	2190	640~2380	9.2	2.7~10.0	99
2.5+2.5+2.5	2.08	2.08	2.08	—	6.24	2.09~6.94	1860	530~2360	7.8	2.2~9.9	99
2.5+2.5+3.5	1.88	1.88	2.64	—	6.40	2.24~6.99	1980	570~2410	8.3	2.4~10.1	99
2.5+2.5+5.0	1.66	1.66	3.32	—	6.64	2.47~7.26	1940	580~2360	8.2	2.4~9.9	99
2.5+2.5+6.0	1.55	1.55	3.70	—	6.80	2.63~7.41	2110	620~2610	8.9	2.6~11.0	99
2.5+3.5+3.5	1.78	2.51	2.51	—	6.80	2.40~7.23	2170	610~2680	9.1	2.6~11.3	99
2.5+3.5+5.0	1.55	2.16	3.09	—	6.80	2.63~7.41	2110	620~2610	8.9	2.6~11.0	99
3.5+3.5+3.5	2.26	2.26	2.26	—	6.78	2.55~7.38	2150	660~2780	9.0	2.8~11.7	99

Heating [50Hz 240V]

Combination of Indoor Unit	Each Capacity (kW)				Total Capacity (kW)		Total Input (W)		Total Current (A)		Power Factor (%)
	A room	B room	C room	D room	Rating	(min~max)	Rating	(min~max)	Rating	(min~max)	Rating
2.5	3.86	—	—	—	3.86	1.46~4.75	1340	480~1730	5.7	2.0~7.4	98
3.5	4.42	—	—	—	4.42	1.61~5.40	1630	540~2130	6.9	2.3~9.0	99
5.0	6.13	—	—	—	6.13	1.84~7.40	2050	460~2820	8.6	1.9~11.9	99
6.0	—	—	7.32	—	7.32	2.00~8.35	2650	480~3320	11.2	2.0~14.0	99
2.5+2.5	3.55	3.55	—	—	7.10	2.14~7.95	2340	520~3030	9.8	2.2~12.8	99
2.5+3.5	3.18	4.45	—	—	7.63	2.26~8.40	2610	550~3330	11.0	2.3~14.0	99
2.5+5.0	2.83	5.67	—	—	8.50	2.44~8.87	2830	540~3060	11.9	2.3~12.9	99
2.5+6.0	2.53	—	6.07	—	8.60	2.55~9.15	2840	560~3110	12.0	2.4~13.1	99
3.5+3.5	4.00	4.00	—	—	8.00	2.38~8.55	2830	570~3240	11.9	2.4~13.6	99
3.5+5.0	3.54	5.06	—	—	8.60	2.55~9.15	2870	560~3150	12.1	2.4~13.3	99
3.5+6.0	3.17	—	5.43	—	8.60	2.68~9.25	2790	580~3130	11.7	2.4~13.2	99
5.0+5.0	4.30	4.30	—	—	8.60	2.74~9.45	2460	550~2880	10.4	2.3~12.1	99
5.0+6.0	3.91	—	4.69	—	8.60	2.86~9.55	2400	570~2870	10.1	2.4~12.1	99
2.5+2.5+2.5	2.86	2.86	2.86	—	8.58	2.80~9.40	2760	620~3170	11.6	2.6~13.3	99
2.5+2.5+3.5	2.53	2.53	3.54	—	8.60	2.95~9.41	2610	650~3170	11.0	2.7~13.3	99
2.5+2.5+5.0	2.15	2.15	4.30	—	8.60	3.18~9.55	2430	640~2850	10.2	2.7~12.0	99
2.5+2.5+6.0	1.95	1.95	4.70	—	8.60	3.33~9.60	2410	670~2820	10.1	2.8~11.9	99
2.5+3.5+3.5	2.26	3.17	3.17	—	8.60	3.10~9.45	2520	680~3170	10.6	2.9~13.3	99
2.5+3.5+5.0	1.95	2.74	3.91	—	8.60	3.33~9.60	2380	670~2860	10.0	2.8~12.0	99
3.5+3.5+3.5	2.86	2.86	2.86	—	8.58	3.25~9.55	2410	730~3070	10.1	3.1~12.9	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature).
   Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature).
2. The total ability of connected indoor units is up to 11.0kW.
3. It is impossible to connect the indoor unit for one room only.

3D039671#2
3D039671#3

3.3.2 4MXD80BVMA

Cooling [50/60Hz 220V]

Combination of Indoor Unit	Each Capacity (kW)				Total Capacity (kW)		Total Input (W)		Total Current (A)		Power Factor (%)
	A room	B room	C room	D room	Rating	(min~max)	Rating	(min~max)	Rating	(min~max)	Rating
2.5	2.50	—	—	—	2.50	1.58~3.30	750	450~1040	3.9	2.4~5.4	87
3.5	—	3.50	—	—	3.50	1.67~4.11	1210	470~1480	5.8	2.2~7.1	95
5.0	—	5.00	—	—	5.00	1.75~5.87	1640	540~2190	7.6	2.5~10.2	98
6.0	—	—	6.00	—	6.00	1.88~6.43	2240	560~2600	10.4	2.6~12.1	98
7.1	—	—	7.10	—	7.10	2.03~7.14	2800	590~3160	12.9	2.7~14.5	99
2.5+2.5	2.50	2.50	—	—	5.00	1.75~6.16	1560	480~2260	7.2	2.2~10.5	98
2.5+3.5	2.50	3.50	—	—	6.00	1.88~6.59	2140	500~2690	10.0	2.3~12.6	97
2.5+5.0	2.40	4.79	—	—	7.19	2.09~7.29	2460	570~2730	11.3	2.6~12.5	99
2.5+6.0	2.18	—	5.24	—	7.42	2.23~7.82	2590	600~3140	11.9	2.8~14.4	99
2.5+7.1	1.98	—	5.62	—	7.60	2.40~8.04	2740	650~3470	12.6	3.0~15.9	99
3.5+3.5	3.50	3.50	—	—	7.00	2.01~7.19	2530	540~3060	11.6	2.5~14.0	99
3.5+5.0	3.06	4.36	—	—	7.42	2.23~7.82	2550	610~3300	11.7	2.8~15.2	99
3.5+6.0	—	2.77	4.75	—	7.52	2.39~8.02	2660	650~3310	12.2	3.0~15.2	99
3.5+7.1	—	2.52	5.10	—	7.62	2.57~8.32	2830	700~3600	13.0	3.2~16.5	99
5.0+5.0	—	3.79	3.79	—	7.58	2.47~8.31	2630	620~3240	12.1	2.8~14.9	99
5.0+6.0	—	3.64	4.36	—	8.00	2.64~8.41	2850	660~3230	13.1	3.0~14.8	99
5.0+7.1	—	3.31	4.69	—	8.00	2.84~8.44	2670	710~3420	12.3	3.3~15.7	99
6.0+6.0	—	—	4.00	4.00	8.00	2.82~8.49	2680	710~3310	12.3	3.3~15.2	99
6.0+7.1	—	—	3.66	4.34	8.00	3.03~8.46	2650	760~3410	12.2	3.5~15.7	99
2.5+2.5+2.5	2.40	2.40	2.40	—	7.20	2.09~7.53	2600	540~2760	11.9	2.5~12.7	99
2.5+2.5+3.5	2.18	2.18	3.06	—	7.42	2.23~7.92	2610	580~3060	12.0	2.7~14.0	99
2.5+2.5+5.0	1.94	1.94	3.89	—	7.77	2.47~8.17	2640	590~2950	12.1	2.7~13.5	99
2.5+2.5+6.0	1.82	1.82	4.36	—	8.00	2.64~8.61	2800	630~3170	12.9	2.9~14.6	99
2.5+2.5+7.1	1.65	1.65	4.70	—	8.00	2.84~8.66	2640	680~3340	12.1	3.1~15.3	99
2.5+3.5+3.5	2.01	2.82	2.82	—	7.65	2.39~8.02	2670	620~3130	12.3	2.8~14.4	99
2.5+3.5+5.0	1.82	2.55	3.63	—	8.00	2.64~8.61	2730	630~3170	12.5	2.9~14.6	99
2.5+3.5+6.0	1.67	2.33	4.00	—	8.00	2.82~8.64	2660	670~3160	12.2	3.1~14.5	99
2.5+3.5+7.1	1.53	2.14	4.33	—	8.00	3.03~8.73	2590	720~3400	11.9	3.3~15.6	99
2.5+5.0+5.0	1.60	3.20	3.20	—	8.00	2.91~8.67	2550	640~3220	11.7	2.9~14.8	99
2.5+5.0+6.0	1.48	2.96	3.56	—	8.00	3.11~8.85	2490	690~3220	11.4	3.2~14.8	99
3.5+3.5+3.5	2.63	2.63	2.63	—	7.89	2.56~8.22	2740	670~3230	12.6	3.1~14.8	99
3.5+3.5+5.0	2.34	2.33	3.33	—	8.00	2.82~8.64	2650	680~3240	12.2	3.1~14.9	99
3.5+3.5+6.0	2.15	2.15	3.70	—	8.00	3.01~8.82	2610	720~3240	12.0	3.3~14.9	99
3.5+5.0+5.0	2.08	2.96	2.96	—	8.00	3.11~9.10	2510	690~3290	11.5	3.2~15.1	99
2.5+2.5+2.5+2.5	1.94	1.94	1.94	1.94	7.76	2.47~8.41	2630	560~2910	12.1	2.6~13.4	99
2.5+2.5+2.5+3.5	1.82	1.82	1.82	2.54	8.00	2.64~8.61	2780	600~3080	12.8	2.8~14.1	99
2.5+2.5+2.5+5.0	1.60	1.60	1.60	3.20	8.00	2.91~9.10	2560	620~3220	11.9	2.9~14.9	98
2.5+2.5+2.5+6.0	1.48	1.48	1.48	3.56	8.00	3.11~9.19	2410	660~3270	11.2	3.1~15.2	98
2.5+2.5+3.5+3.5	1.67	1.67	2.33	2.33	8.00	2.82~8.90	2580	640~3370	11.8	2.9~15.5	99
2.5+2.5+3.5+5.0	1.48	1.48	2.07	2.97	8.00	3.11~9.19	2420	660~3290	11.1	3.0~15.1	99
2.5+3.5+3.5+3.5	1.55	2.15	2.15	2.15	8.00	3.01~9.14	2470	690~3460	11.3	3.2~15.9	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature).
   Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature).
2. The total ability of connected indoor units is up to 13.5kW.
3. It is impossible to connect the indoor unit for one room only.

3D039672#4

Heating [50/60Hz 220V]

Combination of Indoor Unit	Each Capacity (kW)				Total Capacity (kW)		Total Input (W)		Total Current (A)		Power Factor (%)
	A room	B room	C room	D room	Rating	(min~max)	Rating	(min~max)	Rating	(min~max)	Rating
2.5	3.86	—	—	—	3.86	1.47~4.81	1320	440~1990	6.2	2.1~9.3	97
3.5	—	4.42	—	—	4.42	1.63~5.00	1590	490~2110	7.4	2.3~9.8	98
5.0	—	6.13	—	—	6.13	1.86~8.19	1620	420~2930	7.4	1.9~13.5	99
6.0	—	—	7.32	—	7.32	2.02~8.79	2170	440~3290	10.0	2.0~15.1	99
7.1	—	—	8.31	—	8.31	2.19~9.45	2740	480~3660	12.6	2.2~16.8	99
2.5+2.5	3.55	3.55	—	—	7.10	2.16~9.40	1900	470~3440	8.7	2.2~15.8	99
2.5+3.5	3.18	4.45	—	—	7.63	2.28~9.58	2160	500~3470	9.9	2.3~15.9	99
2.5+5.0	2.88	5.75	—	—	8.63	2.46~10.35	2470	490~3470	11.3	2.2~15.9	99
2.5+6.0	2.62	—	6.28	—	8.90	2.58~10.39	2600	510~3460	11.9	2.3~15.9	99
2.5+7.1	2.40	—	6.82	—	9.22	2.72~10.44	2620	530~3280	12.0	2.4~15.1	99
3.5+3.5	4.13	4.13	—	—	8.26	2.40~9.81	2530	520~3590	11.6	2.4~16.5	99
3.5+5.0	3.66	5.24	—	—	8.90	2.58~10.39	2600	510~3480	11.9	2.3~16.0	99
3.5+6.0	—	3.39	5.80	—	9.19	2.71~10.43	2610	530~3270	12.0	2.4~15.0	99
3.5+7.1	—	3.13	6.36	—	9.49	2.84~10.48	2630	550~3160	12.1	2.5~14.5	99
5.0+5.0	—	4.67	4.67	—	9.34	2.77~10.47	2620	500~3310	12.0	2.3~15.2	99
5.0+6.0	—	4.36	5.24	—	9.60	2.89~10.49	2640	520~3170	12.1	2.4~14.6	99
5.0+7.1	—	3.97	5.63	—	9.60	3.02~10.54	2590	540~3120	11.9	2.5~14.3	99
6.0+6.0	—	—	4.80	4.80	9.60	3.01~10.52	2590	540~3110	11.9	2.5~14.3	99
6.0+7.1	—	—	4.40	5.20	9.60	3.14~10.58	2550	560~3110	11.7	2.6~14.3	99
2.5+2.5+2.5	2.88	2.88	2.88	—	8.64	2.83~10.40	2410	560~3430	11.1	2.6~15.7	99
2.5+2.5+3.5	2.62	2.62	3.96	—	8.90	2.98~10.47	2590	590~3470	11.9	2.7~15.9	99
2.5+2.5+5.0	2.33	2.33	4.66	—	9.32	3.21~10.56	2590	580~3340	11.9	2.7~15.3	99
2.5+2.5+6.0	2.18	2.18	5.24	—	9.60	3.36~10.63	2600	610~3140	11.9	2.8~14.4	99
2.5+2.5+7.1	1.98	1.98	5.64	—	9.60	3.52~10.70	2540	630~3130	11.7	2.9~14.4	99
2.5+3.5+3.5	2.52	3.38	3.38	—	9.18	3.13~10.53	2590	620~3320	11.9	2.8~15.2	99
2.5+3.5+5.0	2.18	3.05	4.37	—	9.60	3.36~10.63	2600	610~3160	11.9	2.8~14.5	99
2.5+3.5+6.0	2.00	2.80	4.80	—	9.60	3.51~10.69	2550	630~3100	11.7	2.9~14.2	99
2.5+3.5+7.1	1.83	2.56	5.21	—	9.60	3.67~10.76	2470	670~2990	11.3	3.1~13.7	99
2.5+5.0+5.0	1.92	3.84	3.84	—	9.60	3.58~10.73	2510	600~3150	11.5	2.8~14.5	99
2.5+5.0+6.0	1.78	3.56	4.26	—	9.60	3.73~10.79	2450	620~3040	11.2	2.8~14.0	99
3.5+3.5+3.5	3.16	3.16	3.16	—	9.47	3.28~10.60	2600	660~3160	11.9	3.0~14.5	99
3.5+3.5+5.0	2.80	2.80	4.00	—	9.60	3.51~10.69	2550	640~3110	11.7	2.9~14.3	99
3.5+3.5+6.0	2.58	2.58	4.44	—	9.60	3.66~10.76	2490	670~3010	11.4	3.1~13.8	99
3.5+5.0+5.0	2.48	3.56	3.56	—	9.60	3.73~10.79	2450	630~3010	11.2	2.9~13.8	99
2.5+2.5+2.5+2.5	2.33	2.33	2.33	2.33	9.31	3.54~10.57	2410	640~3130	11.1	2.9~14.4	99
2.5+2.5+2.5+3.5	2.18	2.18	2.18	3.06	9.60	3.72~10.63	2460	680~3020	11.3	3.1~13.9	99
2.5+2.5+2.5+5.0	1.92	1.92	1.92	3.84	9.60	4.00~10.73	2420	670~3060	11.1	3.1~14.0	99
2.5+2.5+2.5+6.0	1.78	1.78	1.78	4.26	9.60	4.19~10.79	2400	710~3010	11.0	3.3~13.8	99
2.5+2.5+3.5+3.5	2.00	2.00	2.80	2.80	9.60	3.91~10.70	2430	720~3000	11.2	3.3~13.8	99
2.5+2.5+3.5+5.0	1.78	1.78	2.49	3.55	9.60	4.19~10.80	2400	710~2980	11.0	3.3~13.7	99
2.5+3.5+3.5+3.5	1.86	2.58	2.58	2.58	9.60	4.09~10.76	2410	760~2990	11.1	3.5~13.7	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature).
   Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature).
2. The total ability of connected indoor units is up to 13.5kW.
3. It is impossible to connect the indoor unit for one room only.

3D039672#5

Cooling [50Hz 240V]

Combination of Indoor Unit	Each Capacity (kW)				Total Capacity (kW)		Total Input (W)		Total Current (A)		Power Factor (%)
	A room	B room	C room	D room	Rating	(min~max)	Rating	(min~max)	Rating	(min~max)	Rating
2.5	2.50	—	—	—	2.50	1.58~3.30	750	450~1040	3.6	2.2~5.0	87
3.5	—	3.50	—	—	3.50	1.67~4.11	1210	470~1480	5.3	2.1~6.5	95
5.0	—	5.00	—	—	5.00	1.75~5.87	1640	540~2190	7.0	2.3~9.3	98
6.0	—	—	6.00	—	6.00	1.88~6.43	2240	560~2600	9.5	2.4~11.1	98
7.1	—	—	7.10	—	7.10	2.03~7.14	2800	590~3160	11.8	2.5~13.3	99
2.5+2.5	2.50	2.50	—	—	5.00	1.75~6.16	1560	480~2260	6.6	2.0~9.6	98
2.5+3.5	2.50	3.50	—	—	6.00	1.88~6.59	2140	500~2690	9.2	2.1~11.6	97
2.5+5.0	2.40	4.79	—	—	7.19	2.09~7.29	2460	570~2730	10.4	2.4~11.5	99
2.5+6.0	2.18	—	5.24	—	7.42	2.23~7.82	2590	600~3140	10.9	2.5~13.2	99
2.5+7.1	1.98	—	5.62	—	7.60	2.40~8.04	2740	650~3470	11.5	2.7~14.6	99
3.5+3.5	3.50	3.50	—	—	7.00	2.01~7.19	2530	540~3060	10.6	2.3~12.9	99
3.5+5.0	3.06	4.36	—	—	7.42	2.23~7.82	2550	610~3300	10.7	2.6~13.9	99
3.5+6.0	—	2.77	4.75	—	7.52	2.39~8.02	2660	650~3310	11.2	2.7~13.9	99
3.5+7.1	—	2.52	5.10	—	7.62	2.57~8.32	2830	700~3600	11.9	2.9~15.2	99
5.0+5.0	—	3.79	3.79	—	7.58	2.47~8.31	2630	620~3240	11.1	2.6~13.6	99
5.0+6.0	—	3.64	4.36	—	8.00	2.64~8.41	2850	660~3230	12.0	2.8~13.6	99
5.0+7.1	—	3.31	4.69	—	8.00	2.84~8.44	2670	710~3420	11.2	3.0~14.4	99
6.0+6.0	—	—	4.00	4.00	8.00	2.82~8.49	2680	710~3310	11.3	3.0~13.9	99
6.0+7.1	—	—	3.66	4.34	8.00	3.03~8.46	2650	760~3410	11.2	3.2~14.4	99
2.5+2.5+2.5	2.40	2.40	2.40	—	7.20	2.09~7.53	2600	540~2760	10.9	2.3~11.6	99
2.5+2.5+3.5	2.18	2.18	3.06	—	7.42	2.23~7.92	2610	580~3060	11.0	2.4~12.9	99
2.5+2.5+5.0	1.94	1.94	3.89	—	7.77	2.47~8.17	2640	590~2950	11.1	2.5~12.4	99
2.5+2.5+6.0	1.82	1.82	4.36	—	8.00	2.64~8.61	2800	630~3170	11.8	2.7~13.3	99
2.5+2.5+7.1	1.65	1.65	4.70	—	8.00	2.84~8.66	2640	680~3340	11.1	2.9~14.1	99
2.5+3.5+3.5	2.01	2.82	2.82	—	7.65	2.39~8.02	2670	620~3130	11.2	2.6~13.2	99
2.5+3.5+5.0	1.82	2.55	3.63	—	8.00	2.64~8.61	2730	630~3170	11.5	2.7~13.3	99
2.5+3.5+6.0	1.67	2.33	4.00	—	8.00	2.82~8.64	2660	670~3160	11.2	2.8~13.3	99
2.5+3.5+7.1	1.53	2.14	4.33	—	8.00	3.03~8.73	2590	720~3400	10.9	3.0~14.3	99
2.5+5.0+5.0	1.60	3.20	3.20	—	8.00	2.91~8.67	2550	640~3220	10.7	2.7~13.6	99
2.5+5.0+6.0	1.48	2.96	3.56	—	8.00	3.11~8.85	2490	690~3220	10.5	2.9~13.6	99
3.5+3.5+3.5	2.63	2.63	2.63	—	7.89	2.56~8.22	2740	670~3230	11.5	2.8~13.6	99
3.5+3.5+5.0	2.34	2.33	3.33	—	8.00	2.82~8.64	2650	680~3240	11.2	2.9~13.6	99
3.5+3.5+6.0	2.15	2.15	3.70	—	8.00	3.01~8.82	2610	720~3240	11.0	3.0~13.6	99
3.5+5.0+5.0	2.08	2.96	2.96	—	8.00	3.11~9.10	2510	690~3290	10.6	2.9~13.8	99
2.5+2.5+2.5+2.5	1.94	1.94	1.94	1.94	7.76	2.47~8.41	2630	560~2910	11.1	2.4~12.2	99
2.5+2.5+2.5+3.5	1.82	1.82	1.82	2.54	8.00	2.64~8.61	2780	600~3080	11.7	2.5~13.0	99
2.5+2.5+2.5+5.0	1.60	1.60	1.60	3.20	8.00	2.91~9.10	2560	620~3220	10.9	2.6~13.7	98
2.5+2.5+2.5+6.0	1.48	1.48	1.48	3.56	8.00	3.11~9.19	2410	660~3270	10.2	2.8~13.9	98
2.5+2.5+3.5+3.5	1.67	1.67	2.33	2.33	8.00	2.82~8.90	2580	640~3370	10.9	2.7~14.2	99
2.5+2.5+3.5+5.0	1.48	1.48	2.07	2.97	8.00	3.11~9.19	2420	660~3290	10.2	2.8~13.8	99
2.5+3.5+3.5+3.5	1.55	2.15	2.15	2.15	8.00	3.01~9.14	2470	690~3460	10.4	2.9~14.6	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature).
   Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature).
2. The total ability of connected indoor units is up to 13.5kW.
3. It is impossible to connect the indoor unit for one room only.

3D039672#2

Heating [50Hz 240V]

Combination of Indoor Unit	Each Capacity (kW)				Total Capacity (kW)		Total Input (W)		Total Current (A)		Power Factor (%)
	A room	B room	C room	D room	Rating	(min~max)	Rating	(min~max)	Rating	(min~max)	Rating
2.5	3.86	—	—	—	3.86	1.47~4.81	1320	440~1990	5.7	1.9~8.5	97
3.5	—	4.42	—	—	4.42	1.63~5.00	1590	490~2110	6.8	2.1~9.0	98
5.0	—	6.13	—	—	6.13	1.86~8.19	1620	420~2930	6.8	1.8~12.3	99
6.0	—	—	7.32	—	7.32	2.02~8.79	2170	440~3290	9.1	1.9~13.8	99
7.1	—	—	8.31	—	8.31	2.19~9.45	2740	480~3660	11.5	2.0~15.4	99
2.5+2.5	3.55	3.55	—	—	7.10	2.16~9.40	1900	470~3440	8.0	2.0~14.5	99
2.5+3.5	3.18	4.45	—	—	7.63	2.28~9.58	2160	500~3470	9.1	2.1~14.6	99
2.5+5.0	2.88	5.75	—	—	8.63	2.46~10.35	2470	490~3470	10.4	2.1~14.6	99
2.5+6.0	2.62	—	6.28	—	8.90	2.58~10.39	2600	510~3460	10.9	2.1~14.6	99
2.5+7.1	2.40	—	6.82	—	9.22	2.72~10.44	2620	530~3280	11.0	2.2~13.8	99
3.5+3.5	4.13	4.13	—	—	8.26	2.40~9.81	2530	520~3590	10.6	2.2~15.1	99
3.5+5.0	3.66	5.24	—	—	8.90	2.58~10.39	2600	510~3480	10.9	2.1~14.6	99
3.5+6.0	—	3.39	5.80	—	9.19	2.71~10.43	2610	530~3270	11.0	2.2~13.8	99
3.5+7.1	—	3.13	6.36	—	9.49	2.84~10.48	2630	550~3160	11.1	2.3~13.3	99
5.0+5.0	—	4.67	4.67	—	9.34	2.77~10.47	2620	500~3310	11.0	2.1~13.9	99
5.0+6.0	—	4.36	5.24	—	9.60	2.89~10.49	2640	520~3170	11.1	2.2~13.3	99
5.0+7.1	—	3.97	5.63	—	9.60	3.02~10.54	2590	540~3120	10.9	2.3~13.1	99
6.0+6.0	—	—	4.80	4.80	9.60	3.01~10.52	2590	540~3110	10.9	2.3~13.1	99
6.0+7.1	—	—	4.40	5.20	9.60	3.14~10.58	2550	560~3110	10.7	2.4~13.1	99
2.5+2.5+2.5	2.88	2.88	2.88	—	8.64	2.83~10.40	2410	560~3430	10.1	2.4~14.4	99
2.5+2.5+3.5	2.62	2.62	3.96	—	8.90	2.98~10.47	2590	590~3470	10.9	2.5~14.6	99
2.5+2.5+5.0	2.33	2.33	4.66	—	9.32	3.21~10.56	2590	580~3340	10.9	2.4~14.1	99
2.5+2.5+6.0	2.18	2.18	5.24	—	9.60	3.36~10.63	2600	610~3140	10.9	2.6~13.2	99
2.5+2.5+7.1	1.98	1.98	5.64	—	9.60	3.52~10.70	2540	630~3130	10.7	2.7~13.2	99
2.5+3.5+3.5	2.52	3.38	3.38	—	9.18	3.13~10.53	2590	620~3320	10.9	2.6~14.0	99
2.5+3.5+5.0	2.18	3.05	4.37	—	9.60	3.36~10.63	2600	610~3160	10.9	2.6~13.3	99
2.5+3.5+6.0	2.00	2.80	4.80	—	9.60	3.51~10.69	2550	630~3100	10.7	2.7~13.0	99
2.5+3.5+7.1	1.83	2.56	5.21	—	9.60	3.67~10.76	2470	670~2990	10.4	2.8~12.6	99
2.5+5.0+5.0	1.92	3.84	3.84	—	9.60	3.58~10.73	2510	600~3150	10.6	2.5~13.3	99
2.5+5.0+6.0	1.78	3.56	4.26	—	9.60	3.73~10.79	2450	620~3040	10.3	2.6~12.8	99
3.5+3.5+3.5	3.16	3.16	3.16	—	9.47	3.28~10.60	2600	660~3160	10.9	2.8~13.3	99
3.5+3.5+5.0	2.80	2.80	4.00	—	9.60	3.51~10.69	2550	640~3110	10.7	2.7~13.1	99
3.5+3.5+6.0	2.58	2.58	4.44	—	9.60	3.66~10.76	2490	670~3010	10.5	2.8~12.7	99
3.5+5.0+5.0	2.48	3.56	3.56	—	9.60	3.73~10.79	2450	630~3010	10.3	2.7~12.7	99
2.5+2.5+2.5+2.5	2.33	2.33	2.33	2.33	9.31	3.54~10.57	2410	640~3130	10.1	2.7~13.2	99
2.5+2.5+2.5+3.5	2.18	2.18	2.18	3.06	9.60	3.72~10.63	2460	680~3020	10.4	2.9~12.7	99
2.5+2.5+2.5+5.0	1.92	1.92	1.92	3.84	9.60	4.00~10.73	2420	670~3060	10.2	2.8~12.9	99
2.5+2.5+2.5+6.0	1.78	1.78	1.78	4.26	9.60	4.19~10.79	2400	710~3010	10.1	3.0~12.7	99
2.5+2.5+3.5+3.5	2.00	2.00	2.80	2.80	9.60	3.91~10.70	2430	720~3000	10.2	3.0~12.6	99
2.5+2.5+3.5+5.0	1.78	1.78	2.49	3.55	9.60	4.19~10.80	2400	710~2980	10.1	3.0~12.5	99
2.5+3.5+3.5+3.5	1.86	2.58	2.58	2.58	9.60	4.09~10.76	2410	760~2990	10.1	3.2~12.6	99

Note:
1. Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature).
   Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature).
2. The total ability of connected indoor units is up to 13.5kW.
3. It is impossible to connect the indoor unit for one room only.

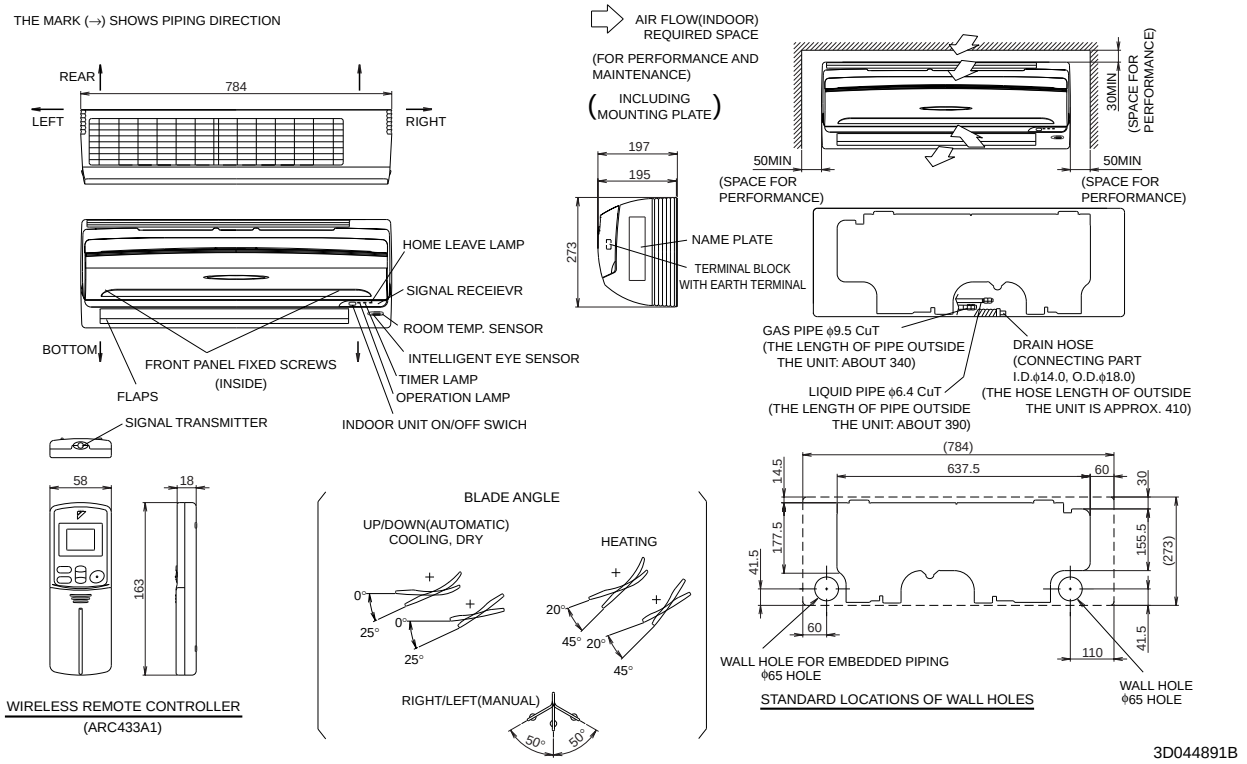
3D039672#3

4. Dimensions

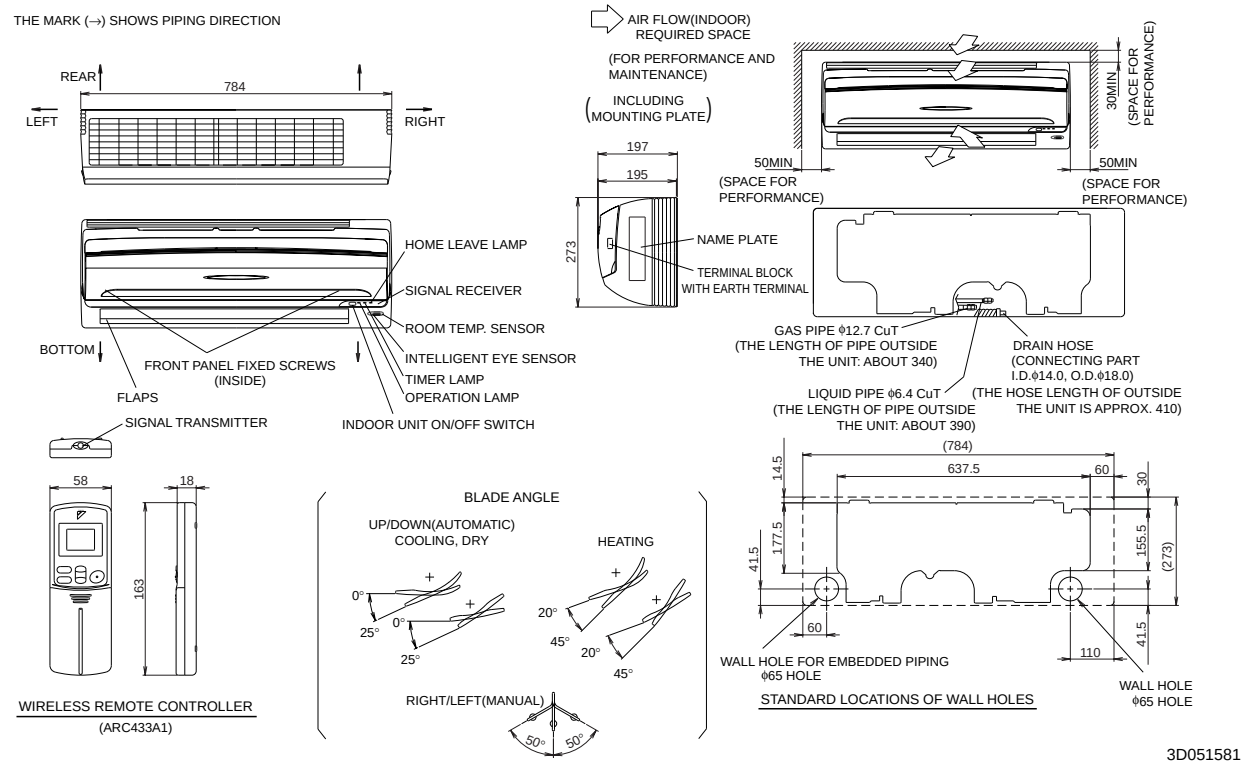
4.1 Indoor Units

4.1.1 Wall Mounted Type

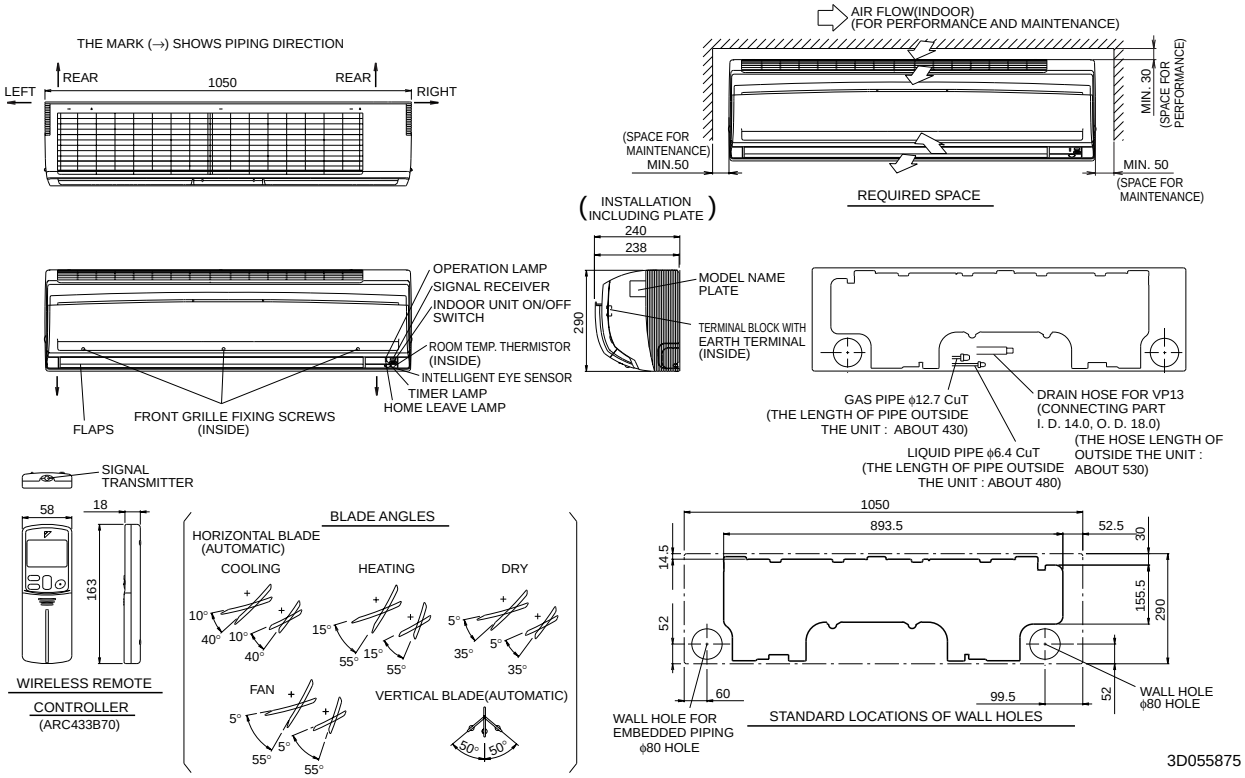
FTXE25BVMA8



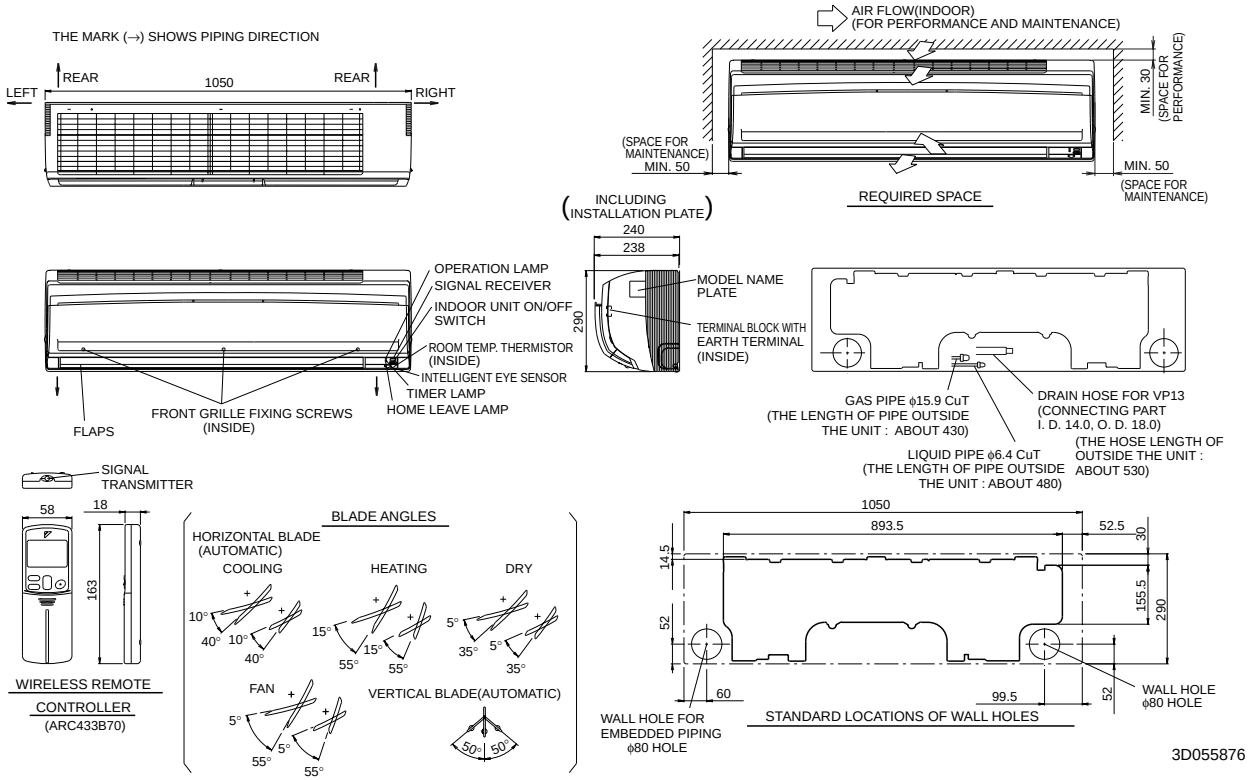
FTXE35BVMA8



FTXD50FVM



FTXD60FVM



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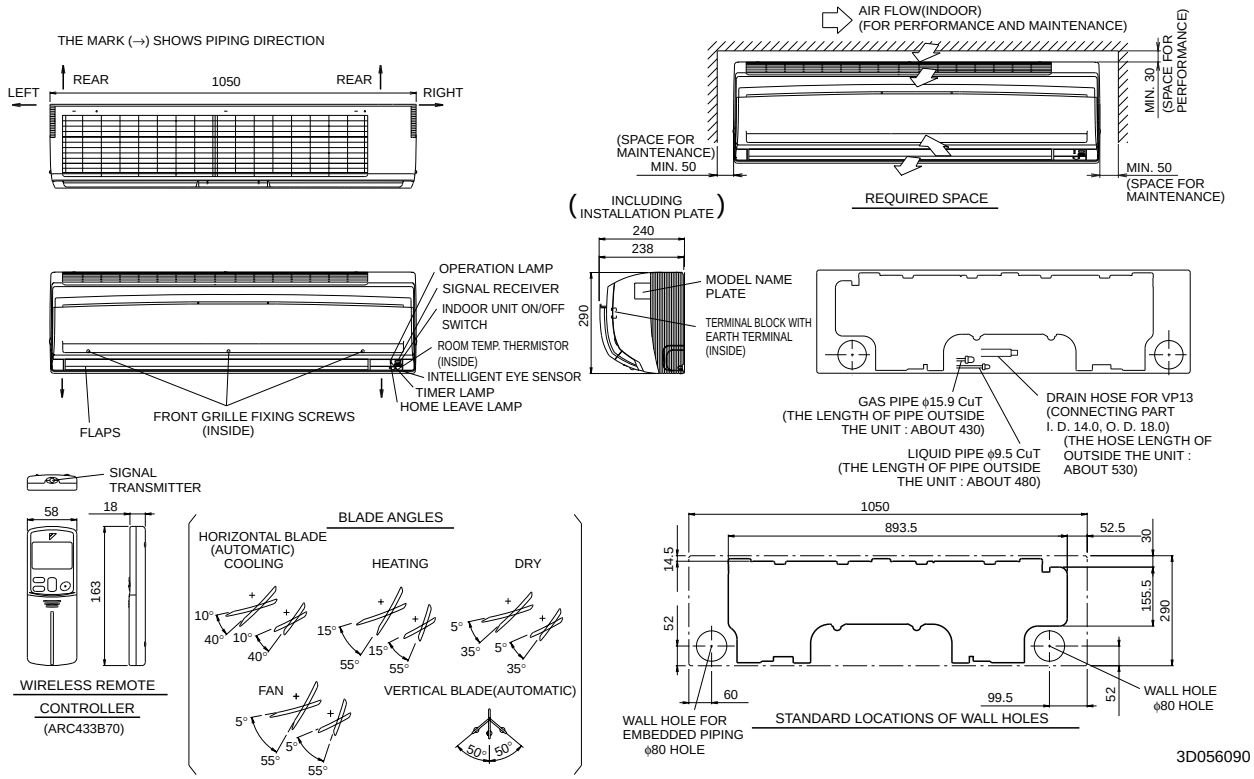
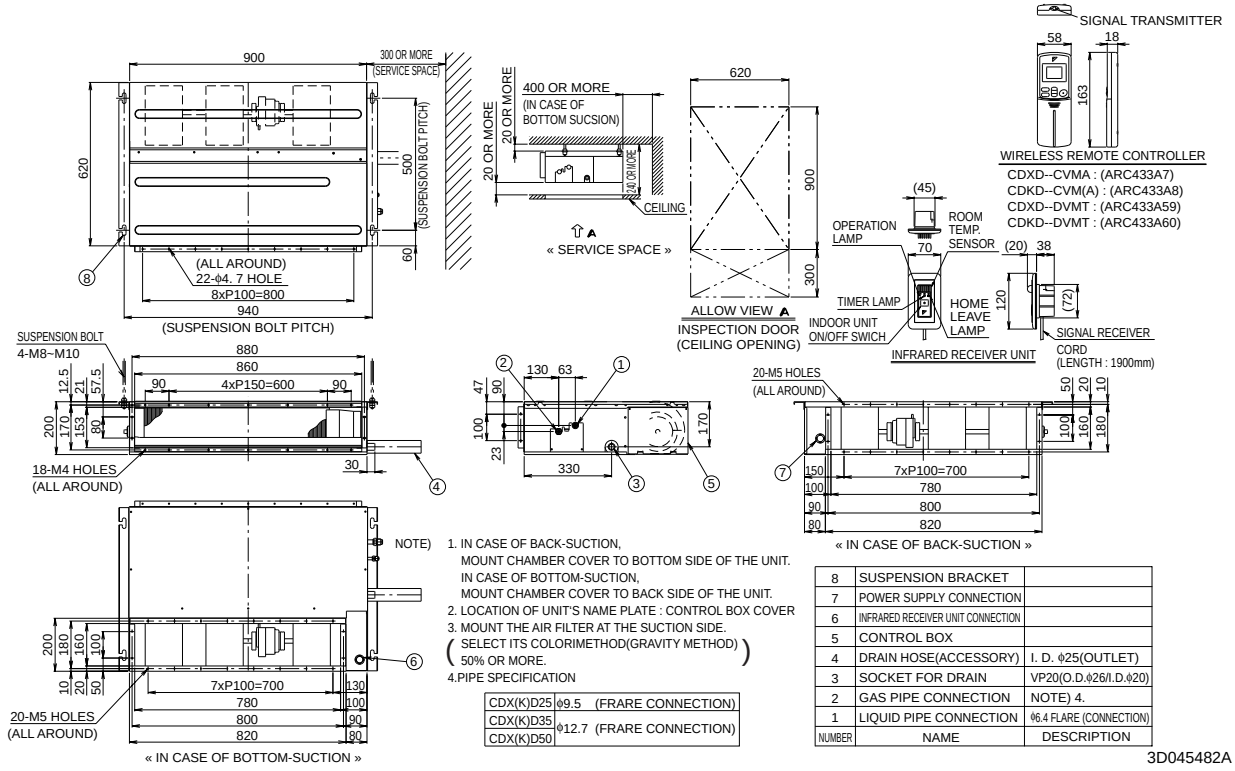


4.1.2 Duct Connected Type

CDXD25CVMA, CDXD35CVMA, CDXD50CVMA

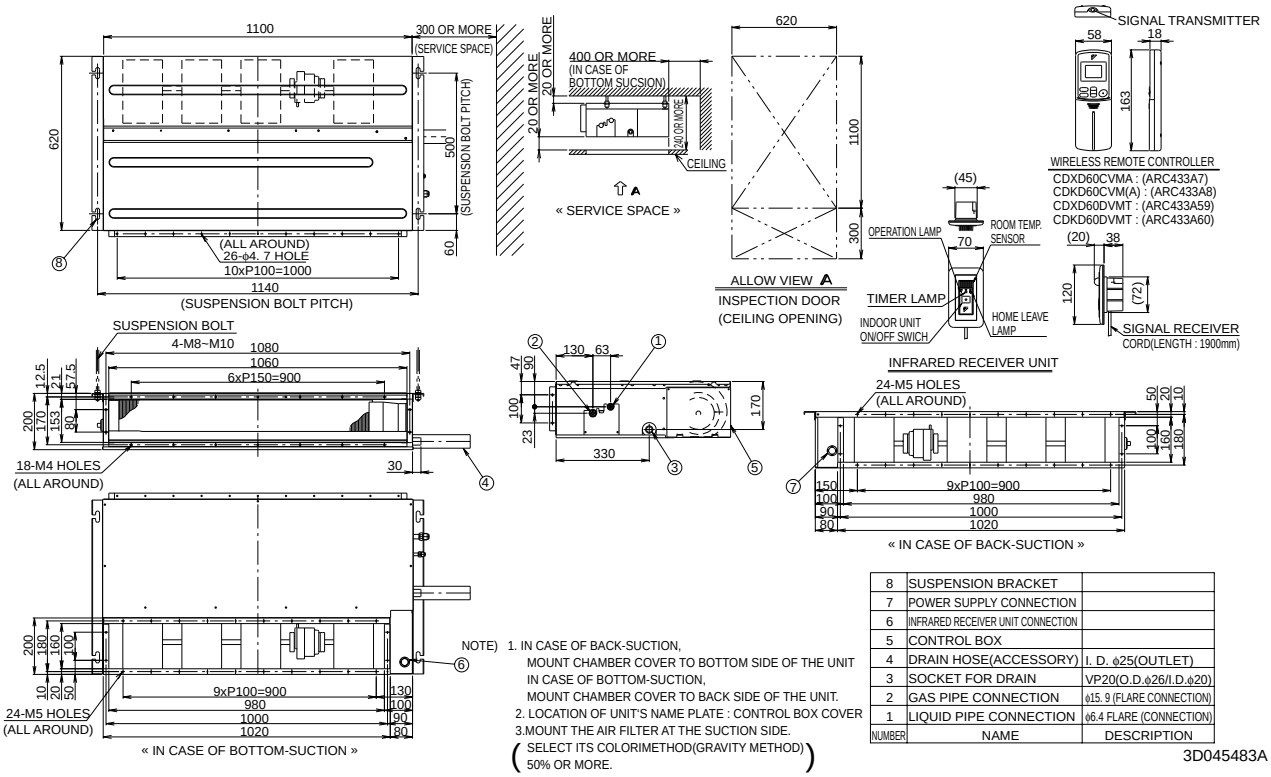


NOTE)
1. IN CASE OF BACK-SUCTION, MOUNT CHAMBER COVER TO BOTTOM SIDE OF THE UNIT. IN CASE OF BOTTOM-SUCTION, MOUNT CHAMBER COVER TO BACK SIDE OF THE UNIT.
2. LOCATION OF UNIT'S NAME PLATE : CONTROL BOX COVER
3. MOUNT THE AIR FILTER AT THE SUCTION SIDE. (SELECT ITS COLORIMETHOD(GRAVITY METHOD) 50% OR MORE.)
4.PIPE SPECIFICATION

CDX(K)D25	ϕ9.5 (FRARE CONNECTION)
CDX(K)D35	ϕ12.7 (FRARE CONNECTION)
CDX(K)D50	

NUMBER	NAME	DESCRIPTION
8	SUSPENSION BRACKET	
7	POWER SUPPLY CONNECTION	
6	INFRARED RECEIVER UNIT CONNECTION	
5	CONTROL BOX	
4	DRAIN HOSE(ACCESSORY)	I. D. ϕ25(OUTLET)
3	SOCKET FOR DRAIN	VP20(O.D.ϕ26/I.D.ϕ20)
2	GAS PIPE CONNECTION	NOTE) 4.
1	LIQUID PIPE CONNECTION	ϕ6.4 FLARE (CONNECTION)

CDXD60CVMA

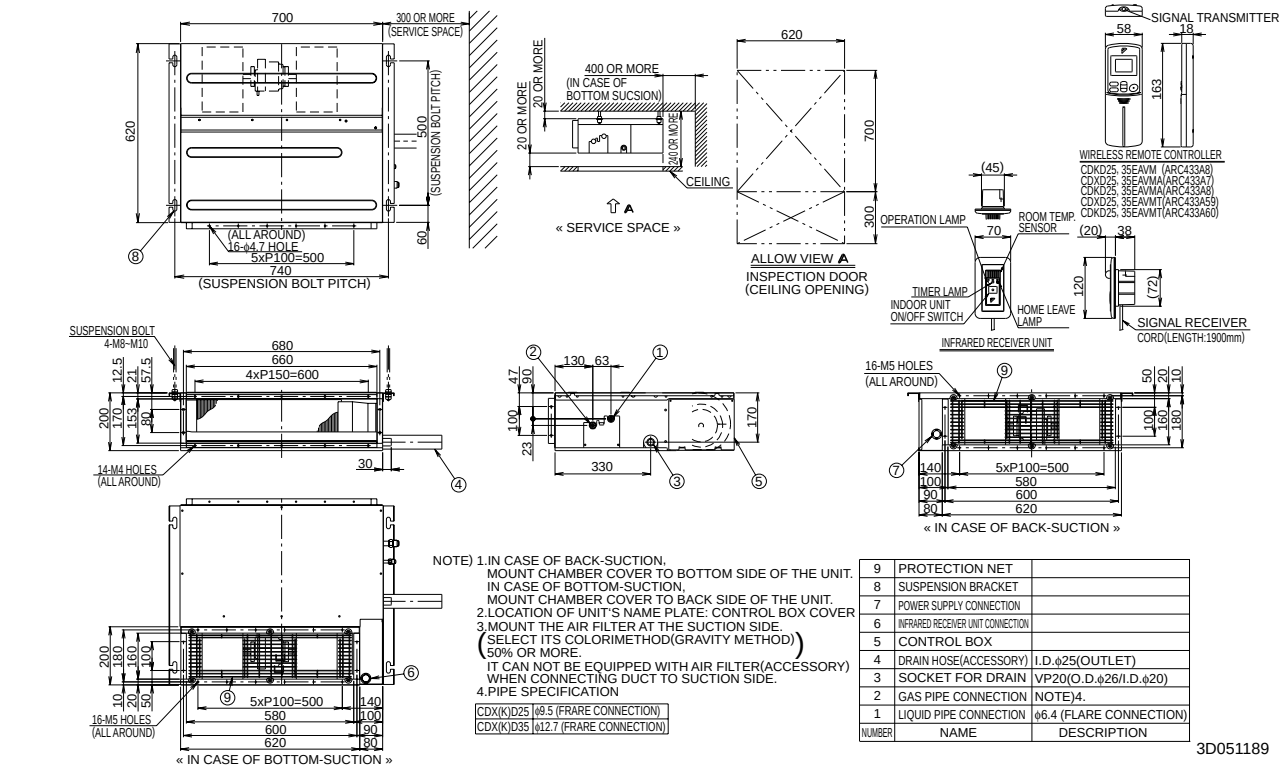


NOTE) 1. IN CASE OF BACK-SUCTION,
MOUNT CHAMBER COVER TO BOTTOM SIDE OF THE UNIT
IN CASE OF BOTTOM-SUCTION,
MOUNT CHAMBER COVER TO BACK SIDE OF THE UNIT.
2. LOCATION OF UNIT'S NAME PLATE : CONTROL BOX COVER
3.MOUNT THE AIR FILTER AT THE SUCTION SIDE.
(SELECT ITS COLORIMETHOD(GRAVITY METHOD) 50% OR MORE.)

NUMBER	NAME	DESCRIPTION
8	SUSPENSION BRACKET	
7	POWER SUPPLY CONNECTION	
6	INFRARED RECEIVER UNIT CONNECTION	
5	CONTROL BOX	
4	DRAIN HOSE(ACCESSORY)	I. D. φ25(OUTLET)
3	SOCKET FOR DRAIN	VP20(O.D.φ26/I.D.φ20)
2	GAS PIPE CONNECTION	φ15. 9 (FLARE CONNECTION)
1	LIQUID PIPE CONNECTION	φ6.4 FLARE (CONNECTION)

3D045483A

CDXD25EAVMA, CDXD35EAVMA



NOTE) 1.IN CASE OF BACK-SUCTION,
MOUNT CHAMBER COVER TO BOTTOM SIDE OF THE UNIT.
IN CASE OF BOTTOM-SUCTION,
MOUNT CHAMBER COVER TO BACK SIDE OF THE UNIT.
2.LOCATION OF UNIT'S NAME PLATE: CONTROL BOX COVER
3.MOUNT THE AIR FILTER AT THE SUCTION SIDE.
(SELECT ITS COLORIMETHOD(GRAVITY METHOD) 50% OR MORE.)
IT CAN NOT BE EQUIPPED WITH AIR FILTER(ACCESSORY) WHEN CONNECTING DUCT TO SUCTION SIDE.
4.PIPE SPECIFICATION

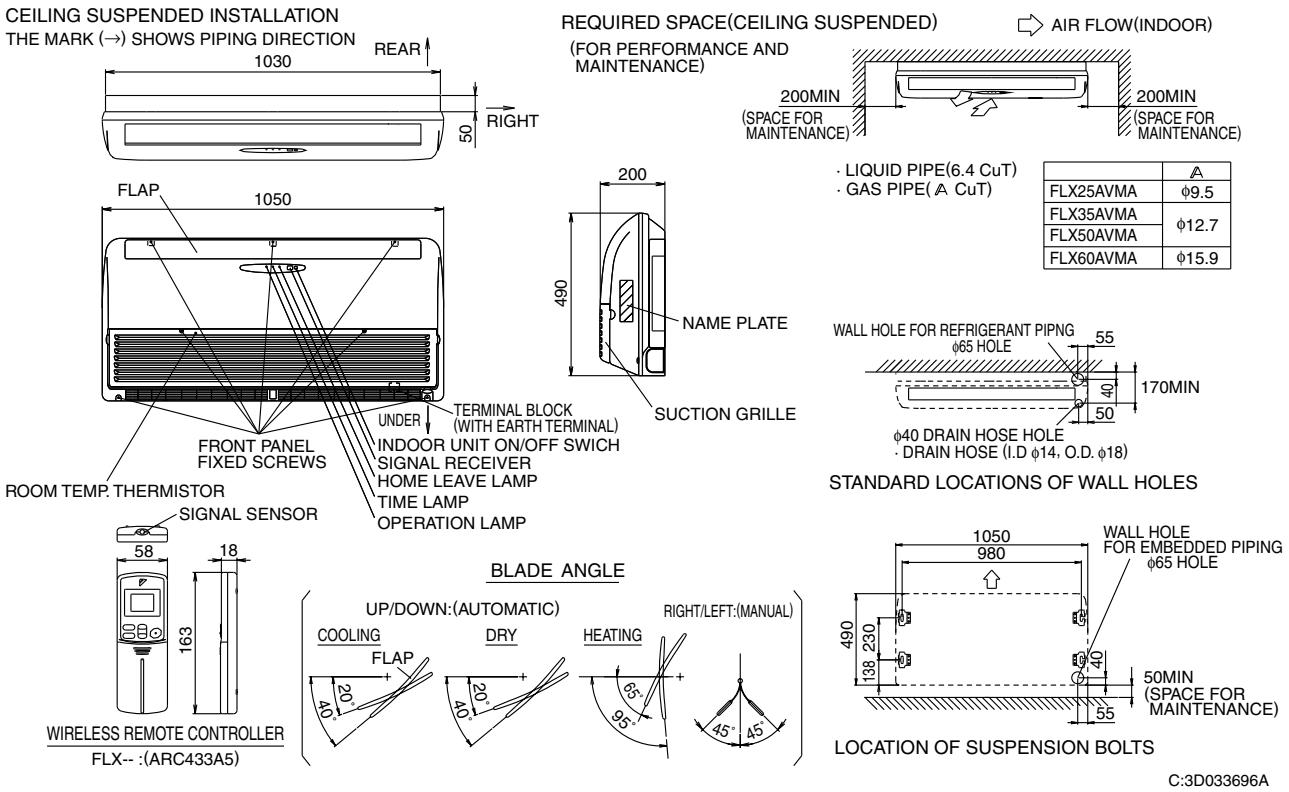
CDX(K)D25	φ9.5 (FRARE CONNECTION)
CDX(K)D35	φ12.7 (FRARE CONNECTION)

NUMBER	NAME	DESCRIPTION
9	PROTECTION NET	
8	SUSPENSION BRACKET	
7	POWER SUPPLY CONNECTION	
6	INFRARED RECEIVER UNIT CONNECTION	
5	CONTROL BOX	
4	DRAIN HOSE(ACCESSORY)	I.D.φ25(OUTLET)
3	SOCKET FOR DRAIN	VP20(O.D.φ26/I.D.φ20)
2	GAS PIPE CONNECTION	NOTE)4.
1	LIQUID PIPE CONNECTION	φ6.4 (FLARE CONNECTION)

3D051189

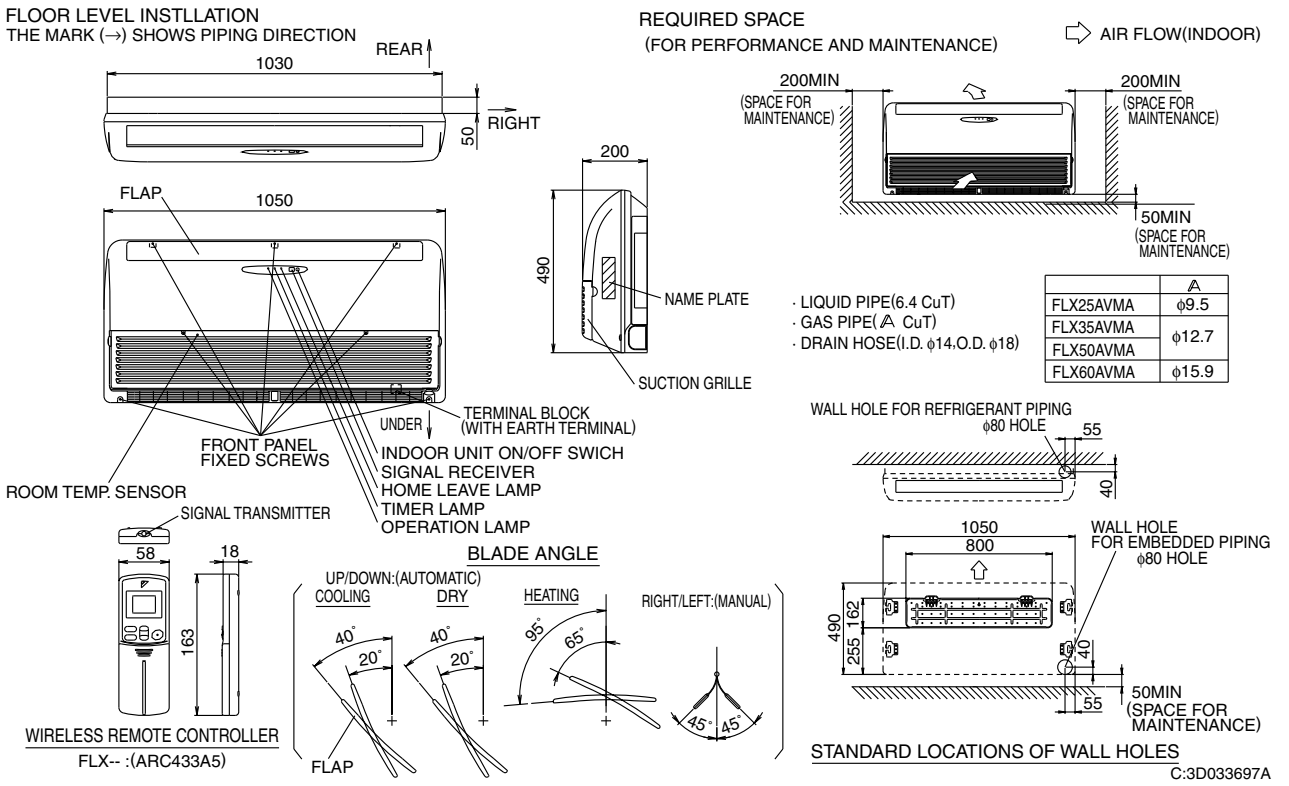
4.1.3 Floor / Ceiling Suspended Dual Type

FLX25AVMA, FLX35AVMA, FLX50AVMA8, FLX60AVMA8 (In Case of Ceiling)



	A
FLX25AVMA	ϕ9.5
FLX35AVMA	ϕ12.7
FLX50AVMA	
FLX60AVMA	ϕ15.9

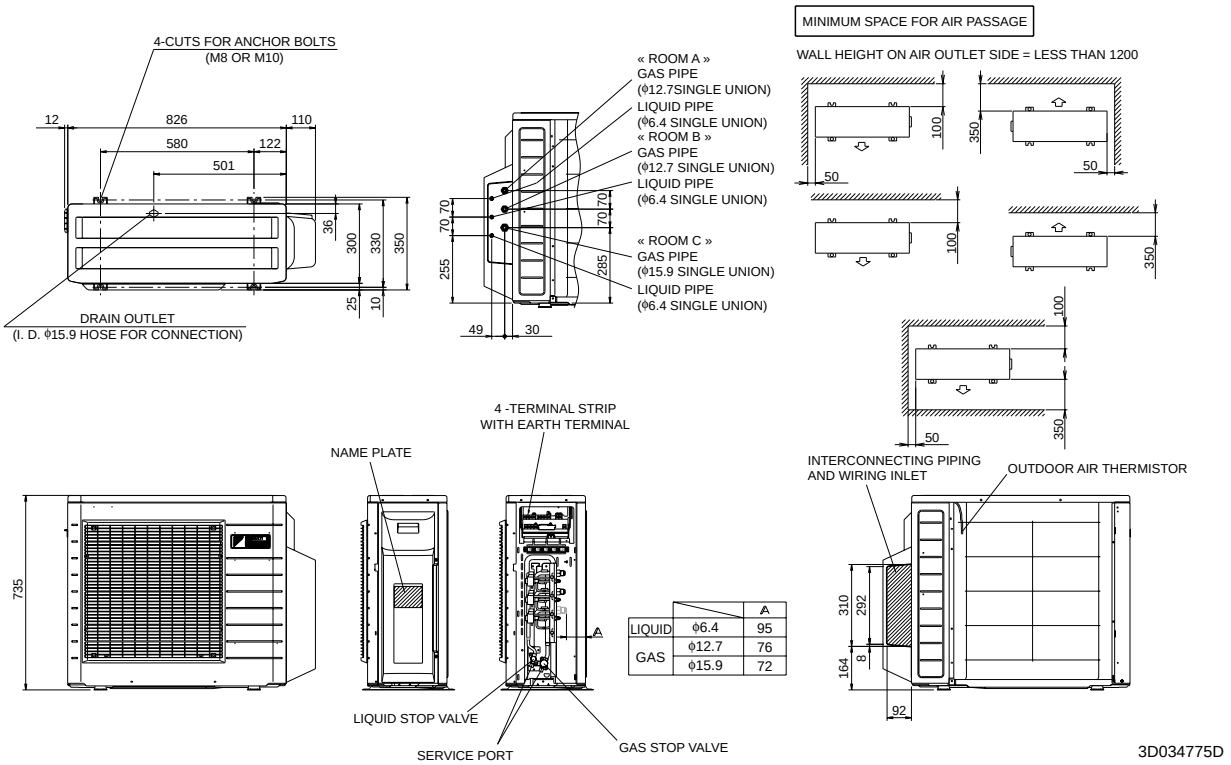
FLX25AVMA, FLX35AVMA, FLX50AVMA8, FLX60AVMA8 (In Case of Floor)



	A
FLX25AVMA	ϕ9.5
FLX35AVMA	ϕ12.7
FLX50AVMA	
FLX60AVMA	ϕ15.9

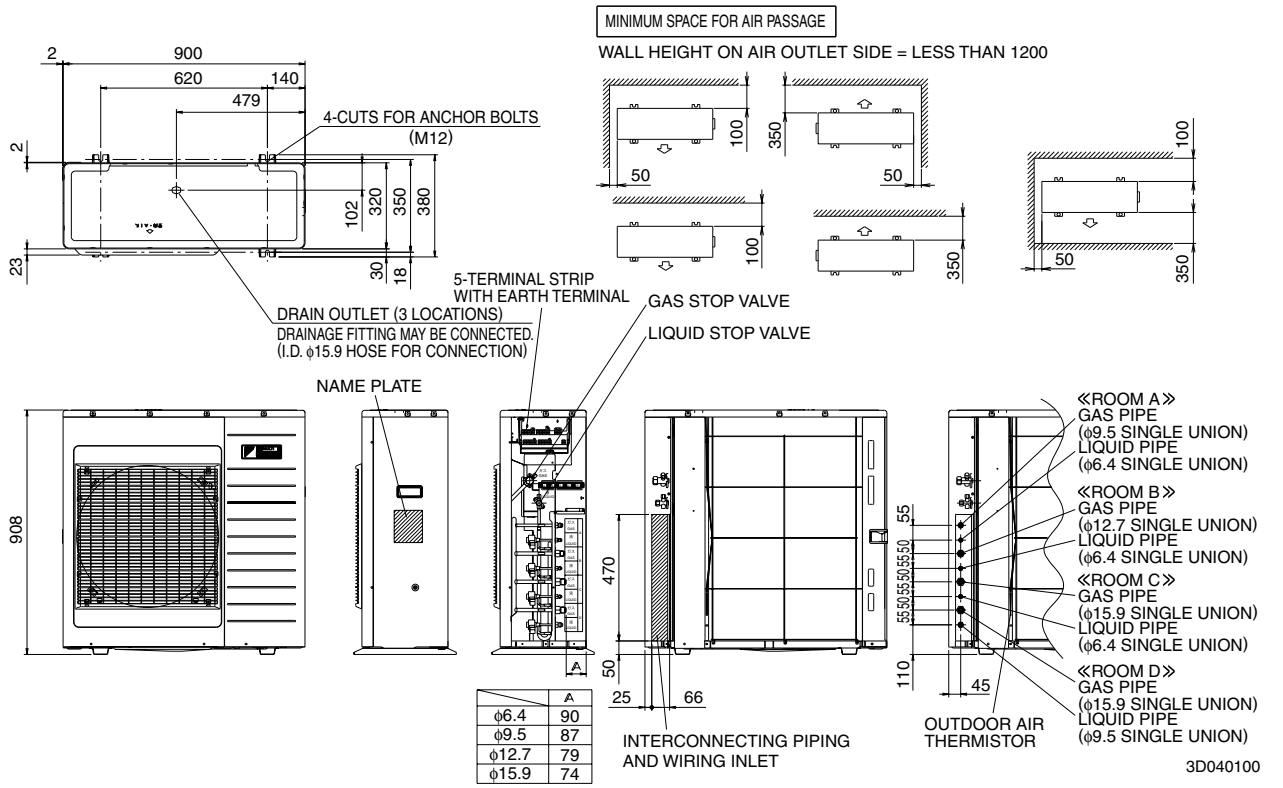
4.2 Outdoor Units

3MXD68BVMA8



		A
LIQUID	ϕ6.4	95
GAS	ϕ12.7	76
	ϕ15.9	72

4MXD80BVMA



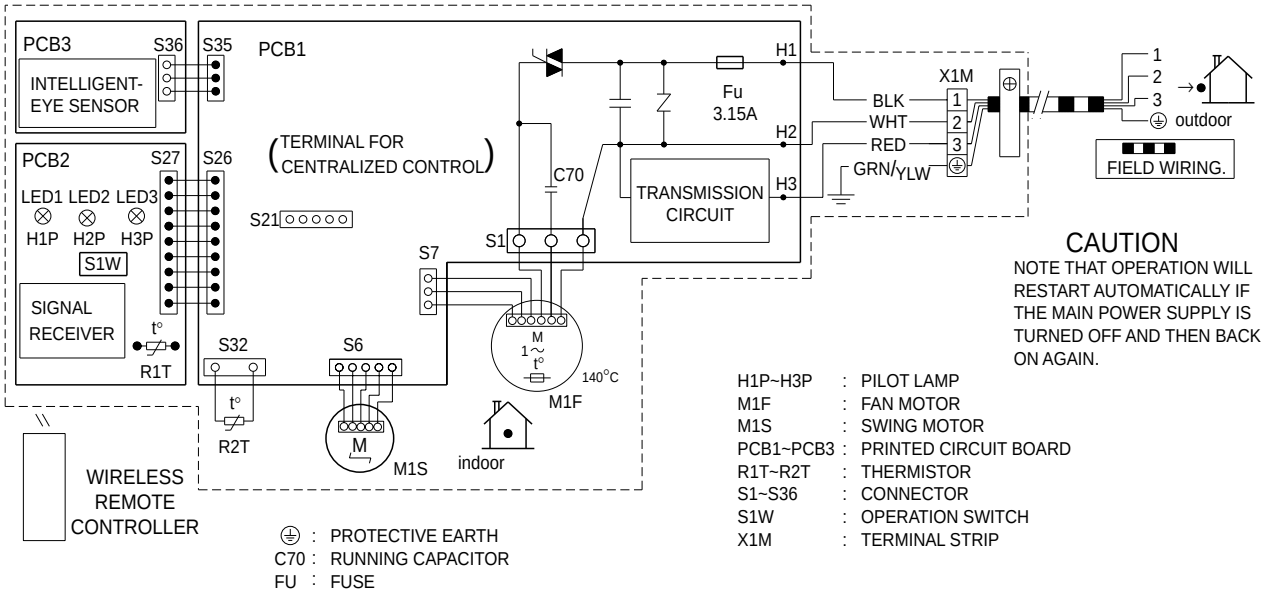
	A
ϕ6.4	90
ϕ9.5	87
ϕ12.7	79
ϕ15.9	74

5. Wiring Diagrams

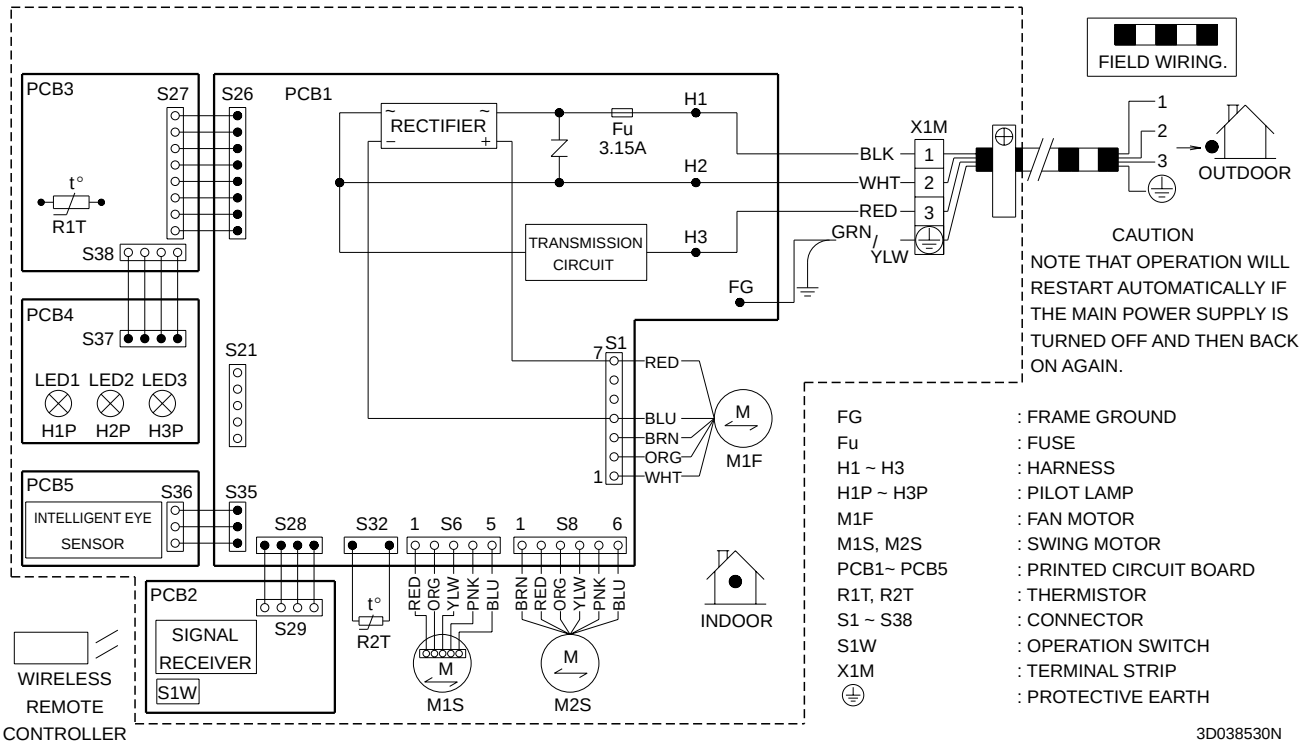
5.1 Indoor Units

5.1.1 Wall Mounted Type

FTXE25BVMA8, FTXE35BVMA8

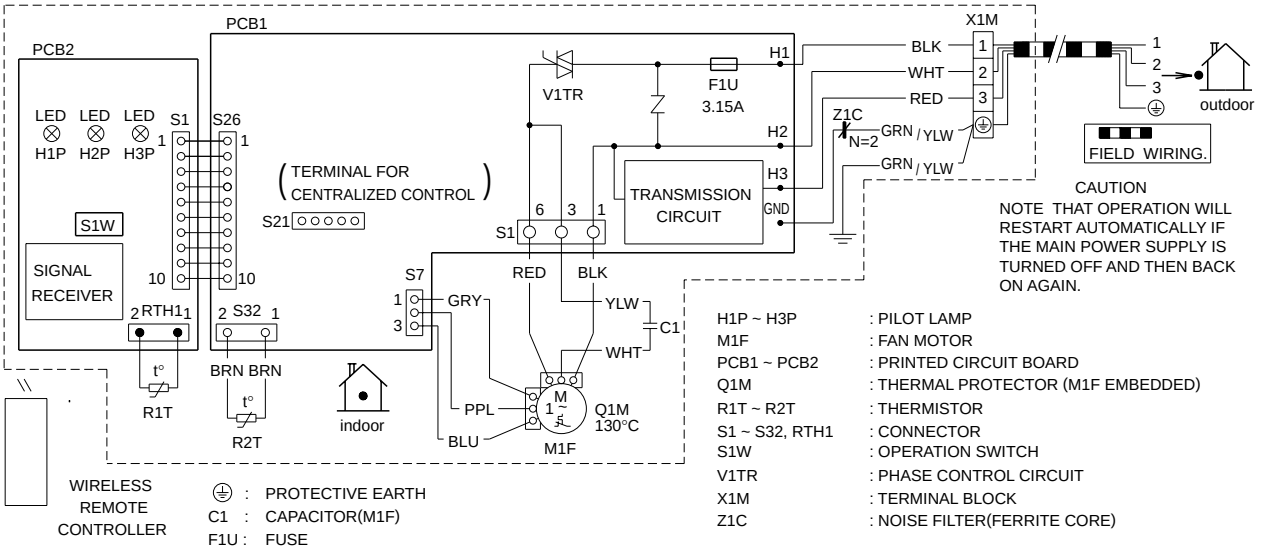


FTXD50FVM, FTXD60FVM, FTXD71FVM



5.1.2 Duct Connected Type

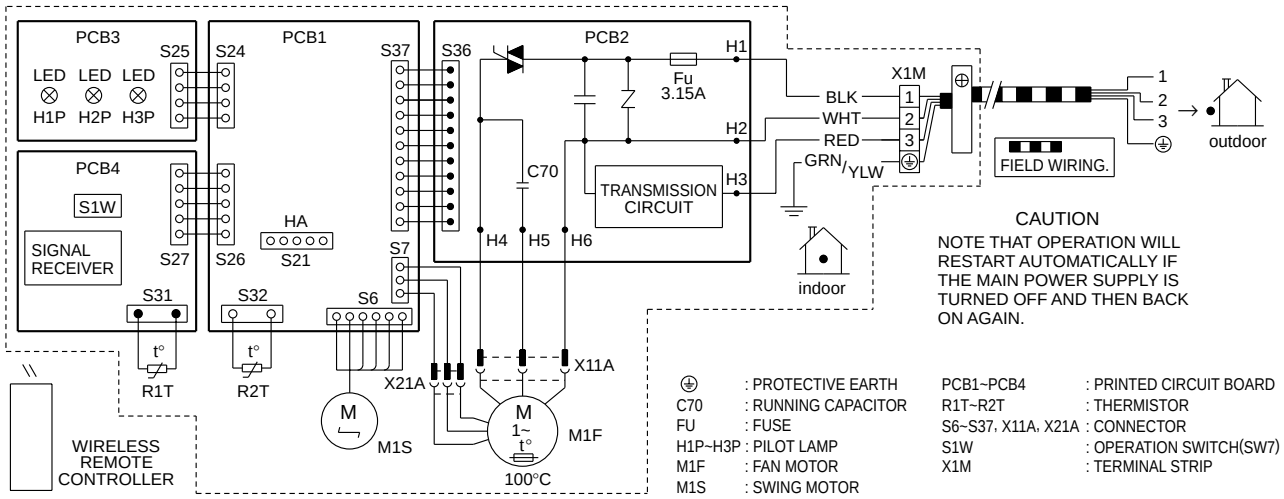
CDXD25CVMA, CDXD35CVMA, CDXD50CVMA, CDXD60CVMA, CDXD25EAVMA, CDXD35EAVMA



3D045012K

5.1.3 Floor / Ceiling Suspended Dual Type

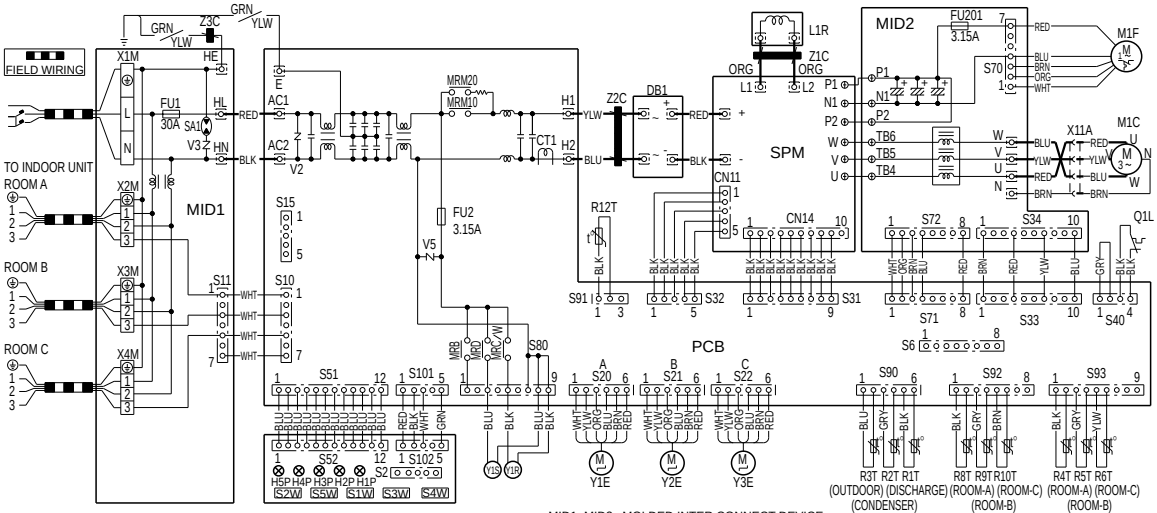
FLX25AVMA, FLX35AVMA, FLX50AVMA8, FLX60AVMA8



3D033909E

5.2 Outdoor Units

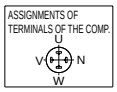
3MXD68BVMA8



Z1C~Z3C : FERRITE CORE
X1M~X4M : TERMINAL STRIP
Y1E~Y3E : ELECTRONIC EXPANSION VALVE COIL
V2~V5 : VARISTOR
FU1, FU2. FU201: FUSE
HE, HL, HN
E,AC1, AC2
H1, H2, L1
L2, : CONNECTOR
MRM10, MRM20
MRB, MRD
MRC/W : MAGNETIC RELAY
R1T~R12T : THERMISTOR
S2~S102 : CONNECTOR
H1P~H5P : PILOT LAMP

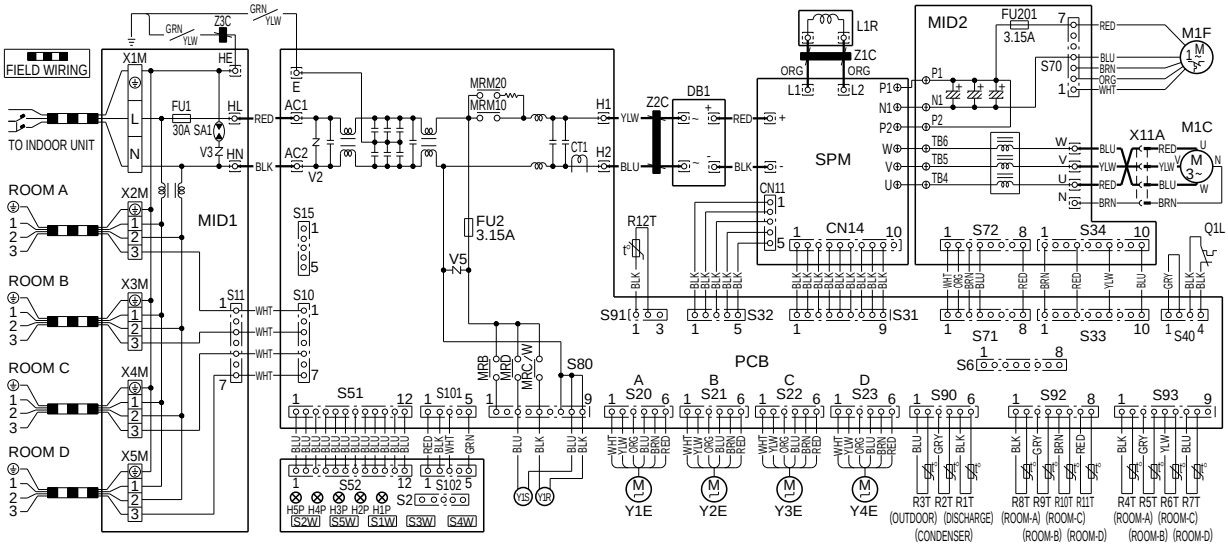
L : LIVE
N : NEUTRAL
S1W : FORCED OPERATION ON/OFF SW (SW1)
S2W : FORCED OPERATION MODE SELECT SW (SW2)
S3W : WIRING ERROR CHECK SW (SW3)
S4W : PRIORITY ROOM SETTING SW (SW4)
S5W : NIGHT QUIET MODE SETTING SW (SW5)
SA1 : SURGE ARRESTER
Y1R : REVERSING SOLENOID VALVE COIL
Y1S : DEFROST SOLENOID VALVE COIL
PCB : PRINTED CIRCUIT BOARD
DB1 : DIODE BRIDGE
M1C : COMPRESSOR MOTOR
M1F : FAN MOTOR
L1R : REACTOR
Q1L : OVERLOAD PROTECTOR
CT1 : CURRENT TRANSFORMER

MID1~MID2 : MOLDED INTER CONNECT DEVICE
SPM : SYSTEM POWER MODULE



3D034314H

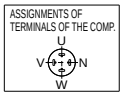
4MXD80BVMA



Z1C~Z3C : FERRITE CORE
X1M~X5M : TERMINAL STRIP
Y1E~Y4E : ELECTRONIC EXPANSION VALVE COIL
V2~V5 : VARISTOR
FU1, FU2, FU201 : FUSE
HE, HL, HN
E, AC1, AC2
H1, H2, L1
L2, : CONNECTOR
MRM10, MRM20
MRB, MRD
MRC/W : MAGNETIC RELAY
R1T~R12T : THERMISTOR
S2S~102 : CONNECTOR
H1P~H5P : PILOT LAMP

L : LIVE
N : NEUTRAL
S1W : FORCED OPERATION ON/OFF SW(SW1)
S2W : FORCED OPERATION MODE SELECT SW(SW2)
S3W : WIRING ERROR CHECK SW(SW3)
S4W : PRIORITY ROOM SETTING SW(SW4)
S5W : NIGHT QUIET MODE SETTING SW(SW5)
SA1 : SURGE ARRESTER
Y1R : REVERSING SOLENOID VALVE COIL
Y1S : DEFROST SOLENOID VALVE COIL
PCB : PRINTED CIRCUIT BOARD
DB1 : DIODE BRIDGE
M1C : COMPRESSOR MOTOR
M1F : FAN MOTOR
L1R : REACTOR
Q1L : OVERLOAD PROTECTOR
CT1 : CURRENT TRANSFORMER

MID1~MID2 : MOLDED INTER CONNECT DEVICE
SPM : SYSTEM POWER MODULE



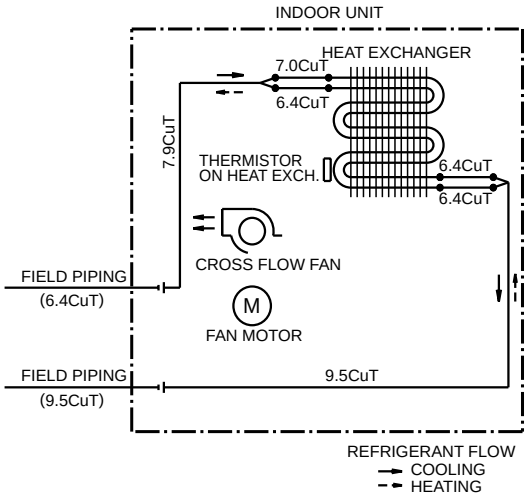
3D034312J

6. Piping Diagrams

6.1 Indoor Units

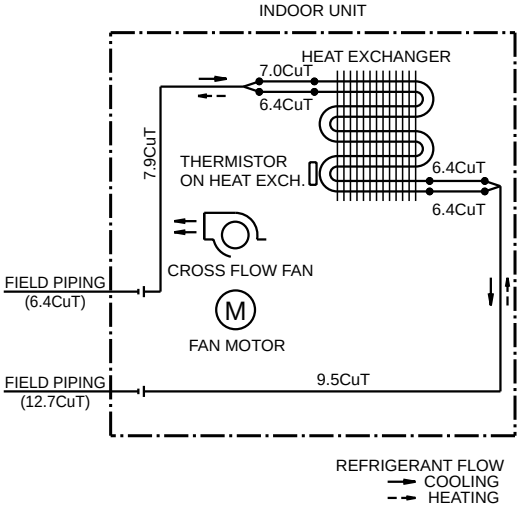
6.1.1 Wall Mounted Type

FTXE25BVMA8



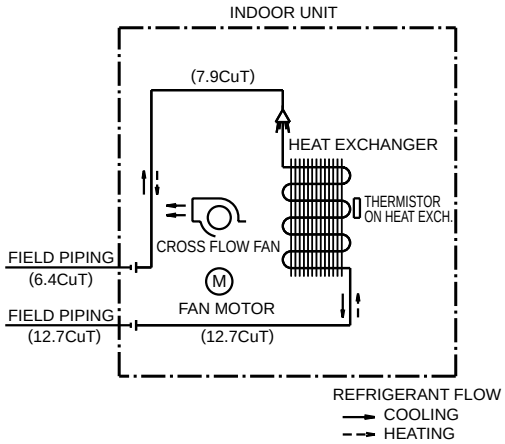
4D032969E

FTXE35BVMA8



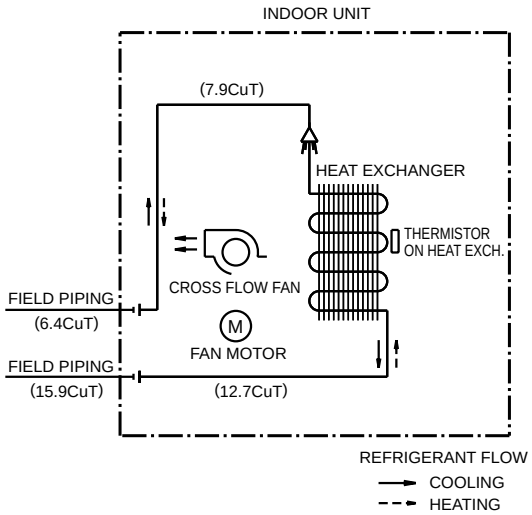
4D051575

FTXD50FVM



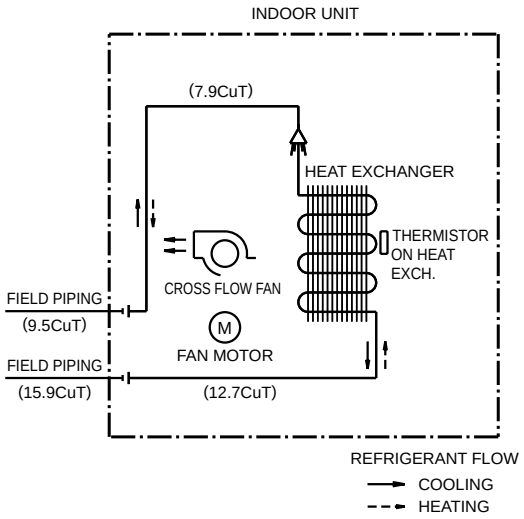
4D040081Q

FTXD60FVM



4D040082P

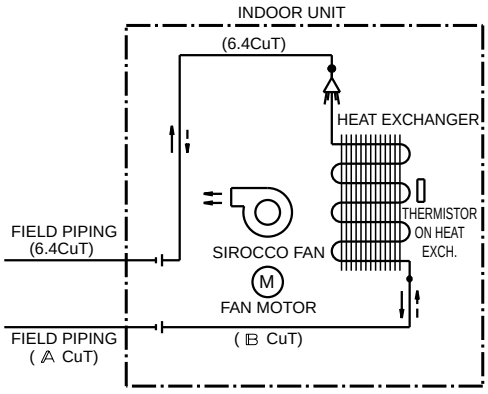
FTXD71FVM



4D040083G

6.1.2 Duct Connected Type

CDXD25CVMA, CDXD35CVMA, CDXD50CVMA, CDXD60CVMA, CDXD25EAVMA, CDXD35EAVMA

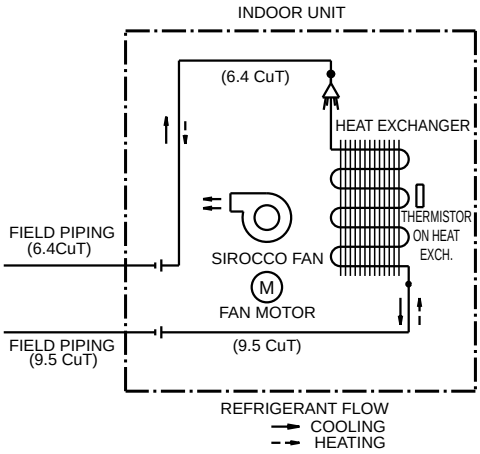


		A	B
CDXD25CMVMC CDXD25CVMA CDKD25CVMA CDKD25CVM FDXD25DV2C CDXD25DVMT	CDKD25DVMT CDKD25EAVM CDXD25EAVMA CDKD25EAVMA CDXD25EAVMT CDKD25EAVMT	9.5	9.5
CDXD35CMVMC CDXD35CVMA CDKD35CVMA CDKD35CVM FDXD35DV2C CDXD35DVMT CDKD35DVMT FDXD50CMVMC CDXD50CVMA	CDKD50CVMA CDKD50CVM CDXD50DVMT CDKD50DVMT CDKD35EAVM CDXD35EAVMA CDKD35EAVMA CDXD35EAVMT CDKD35EAVMT	12.7	12.7
CDXD60CMVMC CDXD60CVMA CDKD60CVMA	CDKD60CVM CDXD60DVMT CDKD60DVMT	15.9	15.9

4D045450B

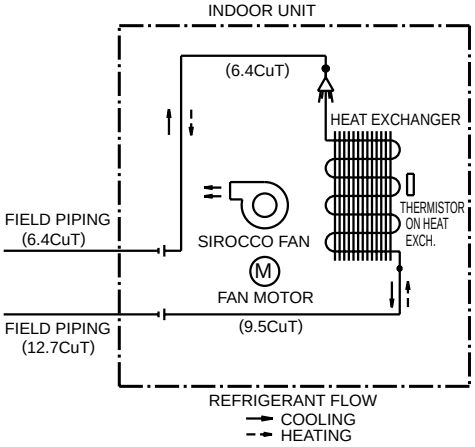
6.1.3 Floor / Ceiling Suspended Dual Type

FLX25AVMA



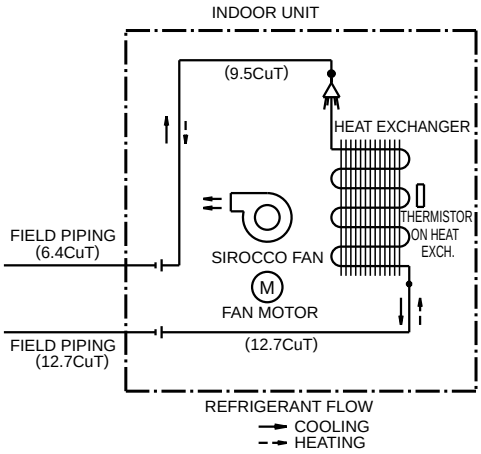
4D034013B

FLX35AVMA



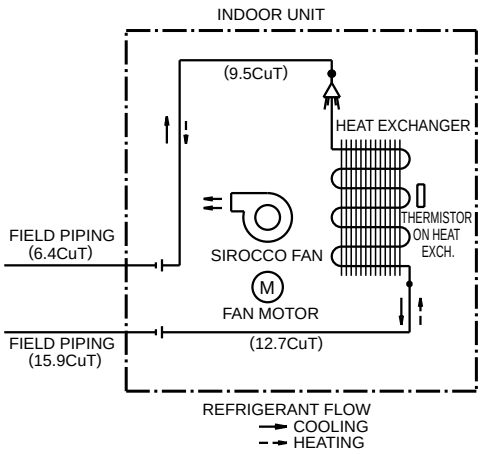
4D048727

FLX50AVMA8



4D048728

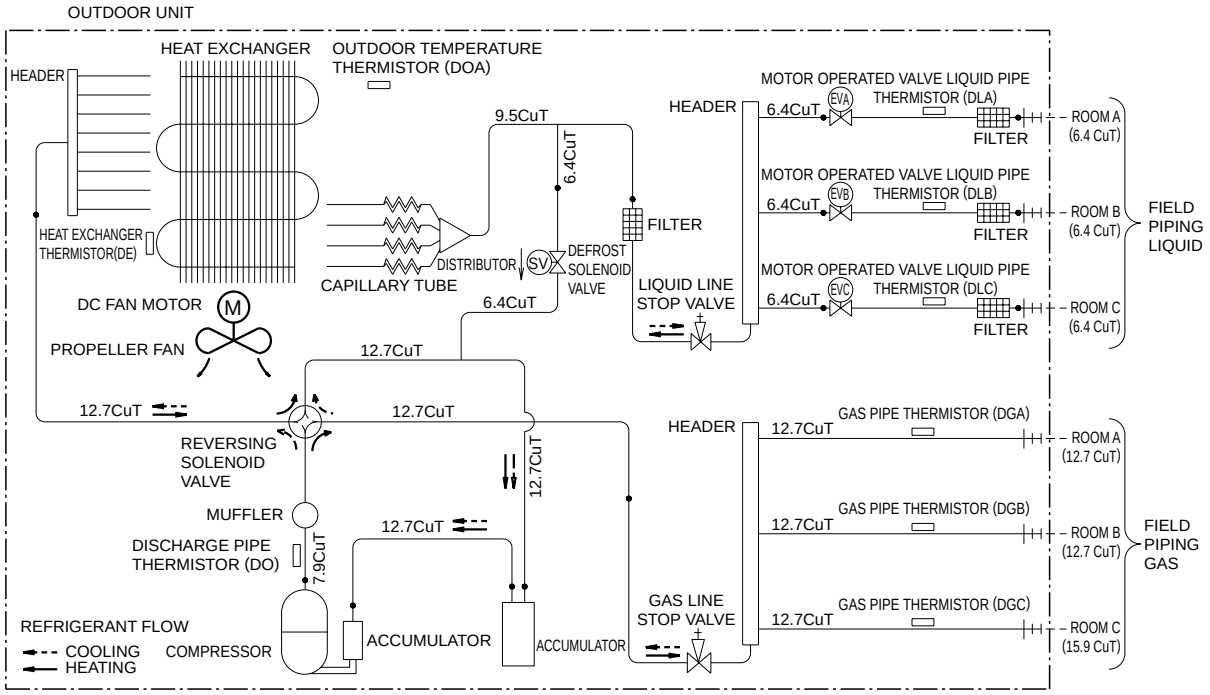
FLX60AVMA8



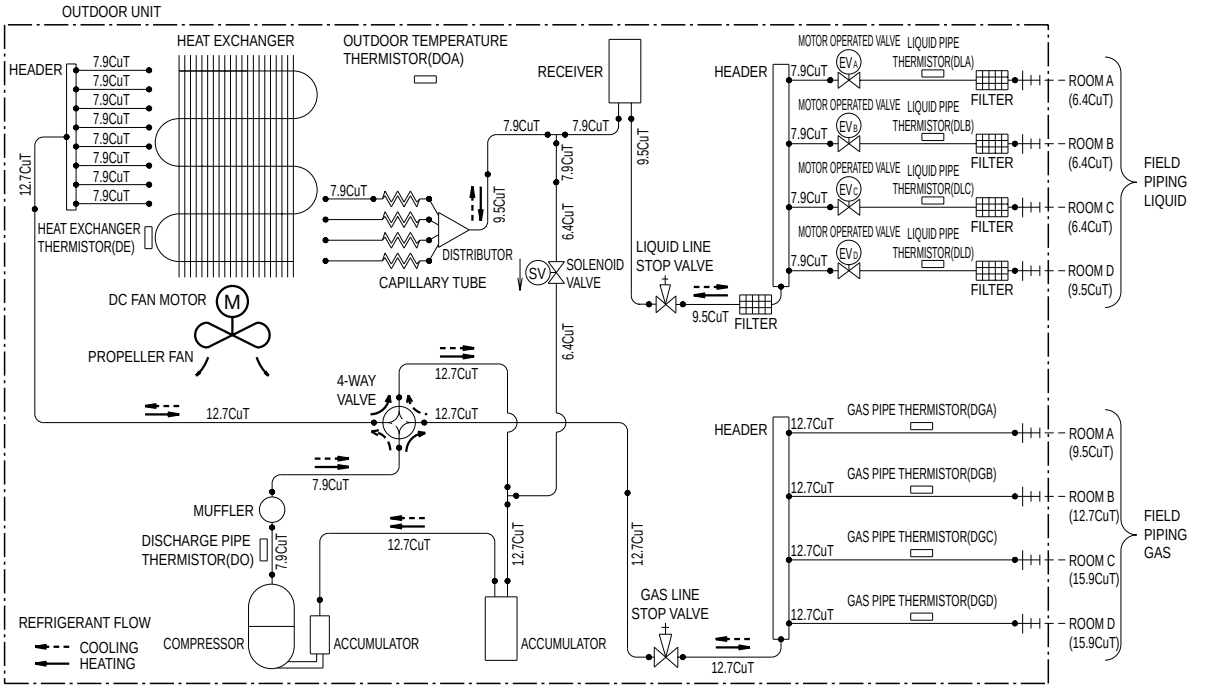
4D048729

6.2 Outdoor Units

3MXD68BVMA8



4MXD80BVMA



7. Capacity Tables

7.1 Total Capacity

7.1.1 3MXD68BVMA8

[Cooling Capacity 50/60Hz 220V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22	2.75	0.74	3.08	0.88	3.26	0.90	3.35	0.90	3.61	0.92	3.79	0.93
	25	2.75	0.91	2.97	0.95	3.15	0.97	3.24	0.97	3.50	0.99	3.68	1.00
	32	2.64	1.03	2.82	1.06	3.00	1.08	3.09	1.09	3.35	1.12	3.53	1.14
	35	2.57	1.08	2.75	1.11	2.93	1.14	3.02	1.15	3.29	1.18	3.47	1.20
	40	2.47	1.16	2.64	1.20	2.82	1.24	2.91	1.25	3.18	1.29	3.36	1.32
	43	2.40	1.22	2.58	1.26	2.76	1.30	2.85	1.31	3.11	1.36	3.29	1.39
	46	2.34	1.28	2.51	1.33	2.69	1.37	2.78	1.39	3.05	1.45	3.23	1.48
3.5	22	3.14	0.82	3.73	1.06	4.23	1.19	4.34	1.20	4.69	1.22	4.92	1.23
	25	3.14	1.00	3.73	1.20	4.09	1.28	4.20	1.29	4.55	1.32	4.78	1.33
	32	3.14	1.19	3.66	1.41	3.89	1.44	4.00	1.45	4.35	1.49	4.58	1.52
	35	3.14	1.31	3.57	1.47	3.80	1.51	3.92	1.53	4.27	1.57	4.50	1.60
	40	3.14	1.50	3.43	1.60	3.66	1.64	3.78	1.66	4.13	1.72	4.36	1.75
	43	3.12	1.63	3.35	1.67	3.58	1.72	3.69	1.75	4.04	1.81	4.27	1.85
	46	3.03	1.70	3.26	1.77	3.49	1.83	3.61	1.86	3.96	1.93	4.19	1.97
5.0	22	5.01	1.32	5.32	1.47	5.63	1.50	5.78	1.51	6.24	1.53	6.55	1.55
	25	4.82	1.56	5.13	1.59	5.44	1.61	5.59	1.62	6.06	1.66	6.36	1.67
	32	4.56	1.72	4.87	1.77	5.18	1.80	5.33	1.82	5.79	1.87	6.10	1.90
	35	4.45	1.80	4.76	1.85	5.07	1.90	5.22	1.92	5.68	1.97	5.99	2.01
	40	4.26	1.94	4.57	2.01	4.88	2.06	5.03	2.09	5.49	2.16	5.80	2.20
	43	4.15	2.04	4.46	2.10	4.77	2.16	4.92	2.19	5.38	2.27	5.69	2.32
	46	4.04	2.14	4.35	2.22	4.65	2.29	4.81	2.33	5.27	2.42	5.58	2.47
6.0	22	5.91	2.05	6.28	2.28	6.64	2.31	6.82	2.33	7.37	2.37	7.73	2.39
	25	5.69	2.41	6.06	2.46	6.42	2.49	6.60	2.51	7.15	2.56	7.51	2.59
	32	5.38	2.66	5.75	2.73	6.11	2.79	6.29	2.82	6.84	2.89	7.20	2.95
	35	5.25	2.79	5.61	2.86	5.98	2.93	6.16	2.97	6.71	3.05	7.07	3.10
	40	5.03	3.00	5.39	3.10	5.76	3.19	5.94	3.23	6.48	3.34	6.85	3.40
	43	4.90	3.16	5.26	3.25	5.62	3.35	5.81	3.39	6.35	3.45	6.71	3.45
	46	4.72	3.00	5.05	3.00	5.36	3.00	5.51	3.00	5.97	3.00	6.28	3.00
2.5+2.5	22	5.10	1.34	5.41	1.49	5.72	1.51	5.88	1.52	6.35	1.55	6.67	1.56
	25	4.91	1.57	5.22	1.60	5.53	1.63	5.69	1.64	6.16	1.67	6.47	1.69
	32	4.64	1.74	4.95	1.79	5.27	1.82	5.42	1.84	5.89	1.89	6.21	1.92
	35	4.53	1.82	4.84	1.87	5.15	1.92	5.31	1.94	5.78	1.99	6.09	2.03
	40	4.34	1.96	4.65	2.03	4.96	2.08	5.12	2.11	5.59	2.18	5.90	2.22
	43	4.22	2.07	4.53	2.12	4.85	2.19	5.01	2.22	5.48	2.30	5.79	2.34
	46	4.11	2.16	4.42	2.24	4.73	2.31	4.89	2.35	5.36	2.45	5.67	2.50
2.5+3.5	22	5.90	1.82	6.36	2.09	6.73	2.12	6.91	2.13	7.46	2.17	7.83	2.19
	25	5.77	2.21	6.14	2.25	6.50	2.28	6.69	2.30	7.24	2.35	7.61	2.37
	32	5.45	2.44	5.82	2.50	6.19	2.55	6.37	2.58	6.93	2.65	7.30	2.70
	35	5.32	2.55	5.69	2.62	6.06	2.69	6.24	2.72	6.79	2.79	7.16	2.84
	40	5.10	2.75	5.46	2.84	5.83	2.92	6.02	2.96	6.57	3.06	6.94	3.11
	43	4.96	2.90	5.33	2.98	5.70	3.06	5.88	3.11	6.43	3.22	6.80	3.29
	46	4.83	3.00	5.18	3.00	5.53	3.00	5.70	3.00	6.20	3.00	6.53	3.00
2.5+5.0	22	6.37	1.64	6.77	1.82	7.16	1.85	7.35	1.87	7.94	1.90	8.33	1.92
	25	6.14	1.93	6.53	1.97	6.92	2.00	7.12	2.01	7.70	2.05	8.10	2.08
	32	5.80	2.14	6.19	2.19	6.59	2.24	6.78	2.26	7.37	2.32	7.76	2.36
	35	5.66	2.23	6.05	2.29	6.44	2.35	6.64	2.38	7.23	2.45	7.62	2.49
	40	5.42	2.41	5.81	2.49	6.21	2.56	6.40	2.59	6.99	2.68	7.38	2.73
	43	5.28	2.53	5.67	2.60	6.06	2.68	6.26	2.72	6.85	2.82	7.24	2.88
	46	5.14	2.65	5.53	2.75	5.92	2.84	6.12	2.89	6.70	3.00	7.07	3.00
2.5+6.0	22	6.51	1.74	6.91	1.93	7.31	1.96	7.51	1.98	8.11	2.01	8.51	2.03
	25	6.27	2.04	6.67	2.08	7.07	2.12	7.27	2.13	7.87	2.17	8.27	2.20
	32	5.93	2.26	6.33	2.32	6.73	2.37	6.93	2.39	7.53	2.45	7.93	2.50
	35	5.78	2.37	6.18	2.43	6.58	2.49	6.78	2.52	7.38	2.59	7.78	2.63
	40	5.54	2.55	5.94	2.63	6.34	2.71	6.54	2.74	7.14	2.83	7.54	2.89
	43	5.39	2.68	5.79	2.76	6.19	2.84	6.39	2.88	6.99	2.98	7.39	3.04
	46	5.24	2.81	5.64	2.91	6.04	3.00	6.23	3.00	6.79	3.00	7.14	3.00

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+3.5	22	6.19	1.87	6.57	2.09	6.95	2.12	7.14	2.13	7.72	2.17	8.10	2.19
	25	5.96	2.21	6.34	2.25	6.72	2.28	6.91	2.30	7.48	2.35	7.86	2.37
	32	5.64	2.44	6.02	2.50	6.40	2.55	6.59	2.58	7.16	2.65	7.54	2.70
	35	5.50	2.55	5.88	2.62	6.26	2.69	6.45	2.72	7.02	2.79	7.40	2.84
	40	5.27	2.75	5.65	2.84	6.03	2.92	6.22	2.96	6.79	3.06	7.17	3.11
	43	5.13	2.90	5.51	2.98	5.89	3.06	6.08	3.11	6.65	3.22	7.03	3.29
	46	4.99	3.00	5.36	3.00	5.72	3.00	5.89	3.00	6.41	3.00	6.75	3.00
3.5+5.0	22	6.51	1.76	6.91	1.96	7.31	2.00	7.51	2.01	8.11	2.04	8.51	2.06
	25	6.27	2.08	6.67	2.12	7.07	2.15	7.27	2.16	7.87	2.21	8.27	2.23
	32	5.93	2.30	6.33	2.36	6.73	2.40	6.93	2.43	7.53	2.49	7.93	2.54
	35	5.78	2.40	6.18	2.47	6.58	2.53	6.78	2.56	7.38	2.63	7.78	2.67
	40	5.54	2.59	5.94	2.67	6.34	2.75	6.54	2.78	7.14	2.88	7.54	2.93
	43	5.39	2.73	5.79	2.80	6.19	2.88	6.39	2.93	6.99	3.03	7.39	3.09
	46	5.24	2.85	5.64	2.96	6.03	3.00	6.22	3.00	6.78	3.00	7.13	3.00
3.5+6.0	22	6.77	1.90	7.18	2.12	7.60	2.15	7.81	2.16	8.43	2.20	8.85	2.22
	25	6.52	2.24	6.93	2.28	7.35	2.32	7.56	2.33	8.18	2.38	8.60	2.41
	32	6.16	2.48	6.58	2.54	6.99	2.59	7.20	2.62	7.83	2.69	8.24	2.74
	35	6.01	2.59	6.43	2.66	6.84	2.73	7.05	2.76	7.67	2.84	8.09	2.88
	40	5.76	2.79	6.17	2.88	6.59	2.96	6.80	3.00	7.42	3.10	7.84	3.16
	43	5.60	2.94	6.02	3.02	6.44	3.11	6.65	3.15	7.27	3.27	7.69	3.33
	46	5.45	3.00	5.85	3.00	6.24	3.00	6.42	3.00	6.98	3.00	7.35	3.00
5.0+5.0	22	6.92	1.64	7.35	1.82	7.77	1.85	7.99	1.87	8.62	1.90	9.05	1.92
	25	6.66	1.93	7.09	1.97	7.51	2.00	7.73	2.01	8.37	2.05	8.79	2.08
	32	6.30	2.14	6.73	2.19	7.15	2.24	7.37	2.26	8.00	2.32	8.43	2.36
	35	6.15	2.23	6.57	2.29	7.00	2.35	7.21	2.38	7.85	2.45	8.27	2.49
	40	5.89	2.41	6.31	2.49	6.74	2.56	6.95	2.59	7.59	2.68	8.02	2.73
	43	5.73	2.53	6.16	2.60	6.58	2.68	6.80	2.72	7.43	2.82	7.86	2.88
	46	5.58	2.65	6.00	2.75	6.43	2.84	6.64	2.89	7.28	3.00	7.67	3.00
5.0+6.0	22	6.98	1.64	7.41	1.82	7.84	1.85	8.05	1.87	8.70	1.90	9.13	1.92
	25	6.72	1.93	7.15	1.97	7.58	2.00	7.79	2.01	8.44	2.05	8.86	2.08
	32	6.35	2.14	6.78	2.19	7.21	2.24	7.43	2.26	8.07	2.32	8.50	2.36
	35	6.20	2.23	6.63	2.29	7.06	2.35	7.27	2.38	7.91	2.45	8.34	2.49
	40	5.94	2.41	6.37	2.49	6.79	2.56	7.01	2.59	7.65	2.68	8.08	2.73
	43	5.78	2.53	6.21	2.60	6.64	2.68	6.85	2.72	7.50	2.82	7.93	2.88
	46	5.62	2.65	6.05	2.75	6.48	2.84	6.70	2.89	7.34	3.00	7.73	3.00
2.5+2.5+2.5	22	6.66	1.63	7.07	1.81	7.48	1.84	7.69	1.85	8.30	1.88	8.71	1.90
	25	6.41	1.91	6.82	1.95	7.23	1.98	7.44	1.99	8.05	2.03	8.46	2.06
	32	6.07	2.12	6.47	2.17	6.88	2.22	7.09	2.24	7.70	2.30	8.11	2.34
	35	5.92	2.22	6.33	2.27	6.74	2.33	6.94	2.36	7.55	2.42	7.96	2.46
	40	5.67	2.39	6.08	2.47	6.49	2.53	6.69	2.57	7.31	2.65	7.72	2.70
	43	5.52	2.51	5.93	2.58	6.34	2.66	6.54	2.70	7.16	2.80	7.57	2.85
	46	5.37	2.63	5.78	2.73	6.19	2.82	6.39	2.86	7.01	2.98	7.39	3.00
2.5+2.5+3.5	22	6.71	1.66	7.12	1.85	7.54	1.88	7.74	1.89	8.36	1.92	8.77	1.94
	25	6.46	1.95	6.87	1.99	7.29	2.02	7.49	2.04	8.11	2.08	8.52	2.10
	32	6.11	2.16	6.52	2.22	6.93	2.26	7.14	2.29	7.76	2.35	8.17	2.39
	35	5.96	2.26	6.37	2.32	6.78	2.38	6.99	2.41	7.61	2.48	8.02	2.52
	40	5.71	2.44	6.12	2.52	6.53	2.59	6.74	2.62	7.36	2.71	7.77	2.76
	43	5.56	2.57	5.97	2.64	6.38	2.71	6.59	2.75	7.21	2.85	7.62	2.91
	46	5.41	2.68	5.82	2.79	6.23	2.88	6.44	2.92	7.04	3.00	7.41	3.00
2.5+2.5+5.0	22	6.97	1.63	7.40	1.81	7.83	1.84	8.04	1.85	8.68	1.88	9.11	1.90
	25	6.71	1.91	7.14	1.95	7.57	1.98	7.78	1.99	8.42	2.03	8.85	2.06
	32	6.34	2.12	6.77	2.17	7.20	2.22	7.42	2.24	8.06	2.30	8.49	2.34
	35	6.19	2.22	6.62	2.27	7.05	2.33	7.26	2.36	7.90	2.42	8.33	2.46
	40	5.93	2.39	6.36	2.47	6.79	2.53	7.00	2.57	7.64	2.65	8.07	2.70
	43	5.77	2.51	6.20	2.58	6.63	2.66	6.84	2.70	7.49	2.80	7.91	2.85
	46	5.62	2.63	6.04	2.73	6.47	2.82	6.69	2.86	7.33	2.98	7.73	3.00
2.5+2.5+6.0	22	7.11	1.80	7.55	2.00	7.99	2.03	8.21	2.05	8.86	2.08	9.30	2.10
	25	6.85	2.12	7.29	2.16	7.72	2.19	7.94	2.20	8.60	2.25	9.04	2.28
	32	6.48	2.34	6.91	2.40	7.35	2.45	7.57	2.48	8.23	2.54	8.66	2.59
	35	6.32	2.45	6.75	2.51	7.19	2.58	7.41	2.61	8.07	2.68	8.50	2.73
	40	6.05	2.64	6.49	2.73	6.93	2.80	7.14	2.84	7.80	2.93	8.24	2.99
	43	5.89	2.78	6.33	2.86	6.77	2.94	6.98	2.98	7.64	3.09	8.08	3.15
	46	5.73	2.91	6.17	3.00	6.57	3.00	6.77	3.00	7.34	3.00	7.72	3.00

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+3.5	22	6.94	1.85	7.37	2.05	7.79	2.09	8.01	2.10	8.65	2.14	9.08	2.16
	25	6.68	2.17	7.11	2.22	7.54	2.25	7.75	2.26	8.39	2.31	8.82	2.34
	32	6.32	2.40	6.75	2.47	7.17	2.52	7.39	2.54	8.03	2.61	8.45	2.66
	35	6.16	2.52	6.59	2.58	7.02	2.65	7.23	2.68	7.87	2.75	8.30	2.80
	40	5.90	2.71	6.33	2.80	6.76	2.88	6.97	2.91	7.61	3.01	8.04	3.07
	43	5.75	2.85	6.17	2.93	6.60	3.02	6.81	3.06	7.46	3.17	7.88	3.24
	46	5.59	2.98	6.01	3.00	6.41	3.00	6.60	3.00	7.16	3.00	7.53	3.00
2.5+3.5+5.0	22	7.11	1.80	7.55	2.00	7.99	2.03	8.21	2.05	8.86	2.08	9.30	2.10
	25	6.85	2.12	7.29	2.16	7.72	2.19	7.94	2.20	8.60	2.25	9.04	2.28
	32	6.48	2.34	6.91	2.40	7.35	2.45	7.57	2.48	8.23	2.54	8.66	2.59
	35	6.32	2.45	6.75	2.51	7.19	2.58	7.41	2.61	8.07	2.68	8.50	2.73
	40	6.05	2.64	6.49	2.73	6.93	2.80	7.14	2.84	7.80	2.93	8.24	2.99
	43	5.89	2.78	6.33	2.86	6.77	2.94	6.98	2.98	7.64	3.09	8.08	3.15
	46	5.73	2.91	6.17	3.00	6.57	3.00	6.77	3.00	7.34	3.00	7.72	3.00
3.5+3.5+3.5	22	7.09	1.91	7.52	2.13	7.96	2.17	8.17	2.18	8.83	2.22	9.26	2.24
	25	6.82	2.25	7.26	2.30	7.69	2.33	7.91	2.35	8.56	2.40	9.00	2.42
	32	6.45	2.49	6.89	2.56	7.32	2.61	7.54	2.64	8.19	2.71	8.63	2.76
	35	6.29	2.61	6.73	2.68	7.16	2.75	7.38	2.78	8.03	2.86	8.47	2.90
	40	6.03	2.81	6.46	2.90	6.90	2.99	7.12	3.02	7.77	3.13	8.20	3.18
	43	5.87	2.96	6.30	3.04	6.74	3.13	6.96	3.18	7.61	3.29	8.05	3.36
	46	5.70	3.00	6.11	3.00	6.52	3.00	6.72	3.00	7.28	3.00	7.65	3.00

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m

3D042742#5
3D042742#6

[Heating Capacity 50/60Hz 220V]

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	16	2.76	1.28	3.23	1.37	3.75	1.47	4.21	1.55	4.79	1.64	5.03	1.62	5.03	1.45
	18	2.74	1.32	3.22	1.42	3.74	1.51	4.19	1.59	4.77	1.68	5.01	1.66	5.01	1.49
	20	2.73	1.36	3.21	1.46	3.73	1.55	4.17	1.63	4.75	1.73	4.99	1.71	4.99	1.53
	21	2.73	1.38	3.21	1.48	3.72	1.57	4.17	1.65	4.74	1.75	4.98	1.73	4.98	1.55
	22	2.72	1.40	3.20	1.50	3.72	1.59	4.16	1.67	4.66	1.74	4.66	1.59	4.66	1.43
	24	2.71	1.44	3.19	1.54	3.71	1.64	4.02	1.63	4.02	1.42	4.02	1.30	4.02	1.18
3.5	16	3.13	1.58	3.67	1.69	4.26	1.82	4.78	1.90	5.45	2.02	5.92	2.10	6.11	1.97
	18	3.12	1.63	3.66	1.74	4.25	1.86	4.76	1.95	5.42	2.07	5.81	2.11	5.81	1.87
	20	3.11	1.68	3.65	1.79	4.24	1.91	4.75	2.00	5.40	2.13	5.49	1.97	5.49	1.75
	21	3.10	1.70	3.64	1.82	4.23	1.94	4.74	2.03	5.34	2.12	5.34	1.91	5.34	1.70
	22	3.10	1.73	3.64	1.84	4.23	1.96	4.73	2.06	5.19	2.05	5.19	1.85	5.19	1.65
	24	3.08	1.78	3.63	1.90	4.21	2.02	4.71	2.12	4.88	1.92	4.88	1.72	4.88	1.54
5.0	16	4.29	2.09	5.03	2.24	5.84	2.40	6.55	2.52	7.47	2.67	8.11	2.78	8.94	2.93
	18	4.28	2.15	5.02	2.31	5.82	2.46	6.53	2.58	7.43	2.74	8.07	2.86	8.89	3.01
	20	4.26	2.22	5.00	2.38	5.81	2.53	6.50	2.65	7.40	2.82	8.03	2.94	8.85	3.10
	21	4.25	2.25	4.99	2.41	5.80	2.56	6.49	2.69	7.38	2.86	8.01	2.98	8.83	3.14
	22	4.24	2.29	4.99	2.44	5.79	2.60	6.48	2.73	7.37	2.90	7.99	3.02	8.81	3.19
	24	4.23	2.36	4.97	2.51	5.78	2.67	6.46	2.81	7.34	2.99	7.96	3.11	8.34	2.95
6.0	16	4.84	2.46	5.68	2.64	6.59	2.83	7.40	2.97	8.43	3.15	9.15	3.28	10.08	3.45
	18	4.82	2.54	5.66	2.72	6.57	2.90	7.37	3.04	8.39	3.23	9.10	3.37	10.03	3.55
	20	4.81	2.61	5.64	2.80	6.55	2.98	7.34	3.12	8.35	3.32	9.06	3.46	9.98	3.65
	21	4.80	2.65	5.64	2.84	6.54	3.02	7.32	3.17	8.33	3.37	9.04	3.51	9.96	3.70
	22	4.79	2.69	5.63	2.88	6.53	3.06	7.31	3.21	8.31	3.42	9.02	3.56	9.94	3.76
	24	4.77	2.77	5.61	2.95	6.52	3.15	7.29	3.31	8.28	3.52	8.98	3.67	9.40	3.43
2.5+2.5	16	4.61	2.24	5.41	2.41	6.28	2.58	7.04	2.71	8.02	2.87	8.71	2.99	9.60	3.15
	18	4.59	2.31	5.39	2.48	6.26	2.65	7.01	2.78	7.99	2.95	8.67	3.07	9.55	3.24
	20	4.58	2.39	5.37	2.55	6.24	2.72	6.99	2.85	9.40	3.44	8.63	3.16	9.45	3.28
	21	4.57	2.42	5.37	2.59	6.23	2.75	6.97	2.89	7.93	3.07	8.61	3.20	9.40	3.32
	22	4.56	2.46	5.36	2.62	6.22	2.79	6.96	2.93	7.92	3.12	8.55	3.22	8.55	2.75
	24	4.54	2.53	5.34	2.70	6.20	2.87	6.94	3.02	7.88	3.21	8.04	2.93	8.04	2.51

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5	16	4.87	2.46	5.72	2.65	6.63	2.84	7.44	2.98	8.48	3.16	9.20	3.29	10.14	3.46
	18	4.85	2.54	5.70	2.73	6.61	2.91	7.41	3.05	9.62	3.38	9.16	3.38	9.70	3.25
	20	4.84	2.62	5.68	2.80	6.59	2.98	7.38	3.13	9.58	3.47	9.11	3.47	9.60	3.30
	21	4.83	2.66	5.67	2.84	6.58	3.03	7.37	3.18	8.38	3.38	9.09	3.52	9.55	3.31
	22	4.82	2.70	5.66	2.88	6.57	3.07	7.36	3.22	8.36	3.43	8.70	3.24	8.70	2.76
	24	4.80	2.78	5.64	2.96	6.56	3.16	7.33	3.32	8.19	3.39	8.19	2.95	8.19	2.53
2.5+5.0	16	5.14	2.26	6.04	2.43	7.00	2.61	7.86	2.73	8.95	2.90	9.72	3.02	10.71	3.18
	18	5.13	2.34	6.02	2.50	6.98	2.67	7.82	2.80	8.91	2.98	9.67	3.10	10.66	3.27
	20	5.11	2.41	6.00	2.58	6.96	2.74	7.80	2.88	8.87	3.06	9.62	3.19	10.61	3.36
	21	5.10	2.45	5.99	2.61	6.95	2.78	7.78	2.92	8.85	3.10	9.60	3.24	10.58	3.41
	22	5.09	2.48	5.98	2.65	6.94	2.82	7.77	2.96	8.83	3.15	9.58	3.28	10.56	3.46
	24	5.07	2.56	5.96	2.72	6.92	2.90	7.74	3.05	8.80	3.24	9.54	3.38	10.51	3.56
2.5+6.0	16	5.31	2.30	6.23	2.47	7.22	2.65	8.10	2.78	9.23	2.95	10.02	3.07	11.05	3.23
	18	5.29	2.38	6.21	2.55	7.20	2.72	8.07	2.85	9.19	3.03	9.97	3.15	10.99	3.32
	20	5.27	2.45	6.19	2.62	7.18	2.79	8.04	2.93	9.15	3.11	9.93	3.24	10.94	3.42
	21	5.26	2.49	6.18	2.66	7.17	2.83	8.03	2.97	9.13	3.15	9.91	3.29	10.91	3.47
	22	5.25	2.52	6.17	2.69	7.16	2.86	8.01	3.01	9.11	3.20	9.88	3.34	10.89	3.52
	24	5.23	2.60	6.15	2.77	7.14	2.95	7.98	3.10	9.07	3.29	9.84	3.43	10.84	3.62
3.5+3.5	16	4.96	2.40	5.82	2.57	6.75	2.76	7.57	2.90	8.63	3.07	9.37	3.20	10.32	3.37
	18	4.94	2.47	5.80	2.65	6.73	2.83	7.54	2.97	9.85	3.49	9.32	3.28	9.85	3.15
	20	4.92	2.55	5.78	2.73	6.71	2.90	7.51	3.05	9.81	3.59	9.28	3.38	9.82	3.25
	21	4.91	2.59	5.77	2.77	6.70	2.94	7.50	3.09	8.53	3.29	9.26	3.43	9.77	3.27
	22	4.90	2.63	5.76	2.81	6.69	2.98	7.49	3.14	8.51	3.33	8.92	3.20	8.92	2.73
	24	4.88	2.71	5.74	2.88	6.67	3.07	7.46	3.23	8.41	3.37	8.41	2.93	8.41	2.51
3.5+5.0	16	5.31	2.33	6.23	2.50	7.22	2.68	8.10	2.81	9.23	2.99	10.02	3.11	11.05	3.27
	18	5.29	2.41	6.21	2.58	7.20	2.75	8.07	2.89	9.19	3.07	9.97	3.19	10.99	3.37
	20	5.27	2.48	6.19	2.65	7.18	2.82	8.04	2.96	9.15	3.15	9.93	3.28	10.94	3.46
	21	5.26	2.52	6.18	2.69	7.17	2.86	8.03	3.01	9.13	3.19	9.91	3.33	10.91	3.51
	22	5.25	2.56	6.17	2.73	7.16	2.90	8.01	3.05	9.11	3.24	9.88	3.38	10.89	3.56
	24	5.23	2.63	6.15	2.80	7.14	2.98	7.98	3.14	9.07	3.34	9.84	3.48	10.84	3.67
3.5+6.0	16	5.37	2.32	6.29	2.49	7.30	2.67	8.19	2.80	9.33	2.97	10.13	3.09	11.17	3.25
	18	5.34	2.39	6.27	2.56	7.28	2.73	8.16	2.87	9.29	3.05	10.08	3.17	11.11	3.34
	20	5.32	2.47	6.25	2.64	7.26	2.81	8.13	2.95	9.25	3.13	10.04	3.26	11.06	3.44
	21	5.31	2.50	6.24	2.67	7.25	2.84	8.11	2.99	9.23	3.17	10.01	3.31	11.03	3.49
	22	5.30	2.54	6.23	2.71	7.24	2.88	8.10	3.03	9.21	3.22	9.99	3.36	11.01	3.54
	24	5.28	2.61	6.21	2.79	7.22	2.97	8.07	3.12	9.17	3.31	9.95	3.46	10.96	3.65
5.0+5.0	16	5.48	2.13	6.43	2.29	7.46	2.45	8.37	2.57	9.54	2.73	10.35	2.84	11.41	2.99
	18	5.46	2.20	6.41	2.36	7.44	2.52	8.34	2.64	9.49	2.80	10.30	2.92	11.35	3.08
	20	5.44	2.27	6.39	2.43	7.41	2.58	8.30	2.71	9.45	2.88	10.25	3.00	11.30	3.16
	21	5.43	2.30	6.38	2.46	7.40	2.62	8.29	2.75	9.43	2.92	10.23	3.04	11.27	3.21
	22	5.42	2.34	6.37	2.49	7.39	2.65	8.27	2.79	9.41	2.96	10.21	3.09	11.25	3.26
	24	5.40	2.41	6.35	2.56	7.38	2.73	8.25	2.87	9.37	3.05	10.16	3.18	11.19	3.36
5.0+6.0	16	5.54	2.12	6.50	2.28	7.54	2.45	8.46	2.56	9.64	2.72	10.46	2.83	11.53	2.98
	18	5.52	2.19	6.48	2.35	7.51	2.51	8.42	2.63	9.59	2.79	10.41	2.91	11.47	3.07
	20	5.50	2.26	6.46	2.42	7.49	2.57	8.39	2.70	9.55	2.87	10.36	2.99	11.42	3.15
	21	5.49	2.29	6.45	2.45	7.48	2.61	8.38	2.74	9.53	2.91	10.34	3.03	11.39	3.20
	22	5.48	2.33	6.43	2.49	7.47	2.64	8.36	2.78	9.51	2.95	10.32	3.08	11.37	3.25
	24	5.45	2.40	6.41	2.55	7.45	2.72	8.33	2.86	9.47	3.04	10.27	3.17	11.31	3.34
2.5+2.5+2.5	16	5.45	2.35	6.40	2.52	7.42	2.70	8.33	2.83	9.48	3.00	10.30	3.13	11.35	3.30
	18	5.43	2.42	6.38	2.59	7.40	2.77	8.29	2.91	9.44	3.08	10.25	3.21	11.29	3.39
	20	5.41	2.50	6.35	2.67	7.37	2.84	8.26	2.98	9.40	3.17	10.20	3.30	11.24	3.48
	21	5.40	2.53	6.34	2.71	7.36	2.88	8.25	3.03	9.38	3.21	10.18	3.35	11.21	3.53
	22	5.39	2.57	6.33	2.75	7.35	2.92	8.23	3.07	9.36	3.26	10.15	3.40	11.19	3.59
	24	5.37	2.65	6.31	2.82	7.34	3.00	8.20	3.16	9.32	3.36	10.11	3.50	11.13	3.69
2.5+2.5+3.5	16	5.46	2.35	6.40	2.52	7.43	2.70	8.33	2.83	9.49	3.00	10.31	3.13	11.36	3.30
	18	5.44	2.42	6.38	2.59	7.40	2.77	8.30	2.91	9.45	3.08	10.26	3.21	11.31	3.39
	20	5.42	2.50	6.36	2.67	7.38	2.84	8.27	2.98	9.41	3.17	10.21	3.30	11.25	3.48
	21	5.41	2.53	6.35	2.71	7.37	2.88	8.25	3.03	9.39	3.21	10.19	3.35	11.23	3.53
	22	5.40	2.57	6.34	2.75	7.36	2.92	8.24	3.07	9.37	3.26	10.16	3.40	11.20	3.59
	24	5.37	2.65	6.32	2.82	7.34	3.00	8.21	3.16	9.33	3.36	10.12	3.50	11.15	3.69
2.5+2.5+5.0	16	5.54	2.11	6.50	2.26	7.54	2.43	8.46	2.55	9.64	2.70	10.46	2.81	11.53	2.96
	18	5.52	2.18	6.48	2.33	7.51	2.49	8.42	2.61	9.59	2.77	10.41	2.89	11.47	3.04
	20	5.50	2.24	6.46	2.40	7.49	2.55	8.39	2.68	9.55	2.85	10.36	2.97	11.42	3.13
	21	5.49	2.28	6.45	2.43	7.48	2.59	8.38	2.72	9.53	2.89	10.34	3.01	11.39	3.18
	22	5.48	2.31	6.43	2.47	7.47	2.63	8.36	2.76	9.51	2.93	10.32	3.06	11.37	3.22
	24	5.45	2.38	6.41	2.54	7.45	2.70	8.33	2.84	9.47	3.02	10.27	3.15	11.31	3.32

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+6.0	16	5.57	2.09	6.53	2.24	7.58	2.40	8.50	2.52	9.69	2.67	10.52	2.78	11.59	2.93
	18	5.55	2.15	6.51	2.31	7.55	2.46	8.47	2.58	9.64	2.74	10.47	2.86	11.53	3.01
	20	5.53	2.22	6.49	2.38	7.53	2.53	8.44	2.65	9.60	2.82	10.42	2.94	11.48	3.10
	21	5.52	2.25	6.48	2.41	7.52	2.56	8.42	2.69	9.58	2.86	10.39	2.98	11.45	3.14
	22	5.50	2.29	6.47	2.44	7.51	2.60	8.41	2.73	9.56	2.90	10.37	3.02	11.42	3.19
	24	5.48	2.36	6.45	2.51	7.49	2.67	8.38	2.81	9.52	2.99	10.32	3.11	11.37	3.29
2.5+3.5+3.5	16	5.48	2.35	6.43	2.52	7.46	2.70	8.37	2.83	9.54	3.00	10.35	3.13	11.41	3.30
	18	5.46	2.42	6.41	2.59	7.44	2.77	8.34	2.91	9.49	3.08	10.30	3.21	11.35	3.39
	20	5.44	2.50	6.39	2.67	7.41	2.84	8.30	2.98	9.45	3.17	10.25	3.30	11.30	3.48
	21	5.43	2.53	6.38	2.71	7.40	2.88	8.29	3.03	9.43	3.21	10.23	3.35	11.27	3.53
	22	5.42	2.57	6.37	2.75	7.39	2.92	8.27	3.07	9.41	3.26	10.21	3.40	11.25	3.59
	24	5.48	2.65	6.45	2.82	7.49	3.00	8.38	3.16	9.52	3.36	10.32	3.50	11.37	3.69
2.5+3.5+5.0	16	5.57	2.12	6.53	2.27	7.58	2.44	8.50	2.56	9.69	2.71	10.52	2.82	11.59	2.97
	18	5.55	2.18	6.51	2.34	7.55	2.50	8.47	2.62	9.64	2.78	10.47	2.90	11.53	3.06
	20	5.53	2.25	6.49	2.41	7.53	2.56	8.44	2.69	9.60	2.86	10.42	2.98	11.48	3.14
	21	5.52	2.29	6.48	2.44	7.52	2.60	8.42	2.73	9.58	2.90	10.39	3.02	11.45	3.19
	22	5.50	2.32	6.47	2.48	7.51	2.63	8.41	2.77	9.56	2.94	10.37	3.07	11.42	3.23
	24	5.48	2.39	6.45	2.54	7.49	2.71	8.38	2.85	9.52	3.03	10.32	3.16	11.37	3.33
3.5+3.5+3.5	16	5.54	2.27	6.50	2.44	7.54	2.62	8.46	2.74	9.64	2.91	10.46	3.03	11.53	3.19
	18	5.52	2.34	6.48	2.51	7.51	2.68	8.42	2.81	9.59	2.99	10.41	3.11	11.47	3.28
	20	5.50	2.42	6.46	2.59	7.49	2.75	8.39	2.89	9.55	3.07	10.36	3.20	11.42	3.37
	21	5.49	2.45	6.45	2.62	7.48	2.79	8.38	2.93	9.53	3.11	10.34	3.25	11.39	3.42
	22	5.48	2.49	6.43	2.66	7.47	2.83	8.36	2.97	9.51	3.16	10.32	3.29	11.37	3.47
	24	5.45	2.56	6.41	2.73	7.45	2.91	8.33	3.06	9.47	3.25	10.27	3.39	11.31	3.58

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m

3D042742#7
3D042742#8

[Cooling Capacity 50Hz 240V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22	2.75	0.74	3.08	0.88	3.26	0.90	3.35	0.90	3.61	0.92	3.79	0.93
	25	2.75	0.91	2.97	0.95	3.15	0.97	3.24	0.97	3.50	0.99	3.68	1.00
	32	2.64	1.03	2.82	1.06	3.00	1.08	3.09	1.09	3.35	1.12	3.53	1.14
	35	2.57	1.08	2.75	1.11	2.93	1.14	3.02	1.15	3.29	1.18	3.47	1.20
	40	2.47	1.16	2.64	1.20	2.82	1.24	2.91	1.25	3.18	1.29	3.36	1.32
	43	2.40	1.22	2.58	1.26	2.76	1.30	2.85	1.31	3.11	1.36	3.29	1.39
	46	2.34	1.28	2.51	1.33	2.69	1.37	2.78	1.39	3.05	1.45	3.23	1.48
3.5	22	3.14	0.82	3.73	1.06	4.23	1.19	4.34	1.20	4.69	1.22	4.92	1.23
	25	3.14	1.00	3.73	1.20	4.09	1.28	4.20	1.29	4.55	1.32	4.78	1.33
	32	3.14	1.19	3.66	1.41	3.89	1.44	4.00	1.45	4.35	1.49	4.58	1.52
	35	3.14	1.31	3.57	1.47	3.80	1.51	3.92	1.53	4.27	1.57	4.50	1.60
	40	3.14	1.50	3.43	1.60	3.66	1.64	3.78	1.66	4.13	1.72	4.36	1.75
	43	3.12	1.63	3.35	1.67	3.58	1.72	3.69	1.75	4.04	1.81	4.27	1.85
	46	3.03	1.70	3.26	1.77	3.49	1.83	3.61	1.86	3.96	1.93	4.19	1.97
5.0	22	5.01	1.32	5.32	1.47	5.63	1.50	5.78	1.51	6.24	1.53	6.55	1.55
	25	4.82	1.56	5.13	1.59	5.44	1.61	5.59	1.62	6.06	1.66	6.36	1.67
	32	4.56	1.72	4.87	1.77	5.18	1.80	5.33	1.82	5.79	1.87	6.10	1.90
	35	4.45	1.80	4.76	1.85	5.07	1.90	5.22	1.92	5.68	1.97	5.99	2.01
	40	4.26	1.94	4.57	2.01	4.88	2.06	5.03	2.09	5.49	2.16	5.80	2.20
	43	4.15	2.04	4.46	2.10	4.77	2.16	4.92	2.19	5.38	2.27	5.69	2.32
	46	4.04	2.14	4.35	2.22	4.65	2.29	4.81	2.33	5.27	2.42	5.58	2.47
6.0	22	5.91	2.05	6.28	2.28	6.64	2.31	6.82	2.33	7.37	2.37	7.73	2.39
	25	5.69	2.41	6.06	2.46	6.42	2.49	6.60	2.51	7.15	2.56	7.51	2.59
	32	5.38	2.66	5.75	2.73	6.11	2.79	6.29	2.82	6.84	2.89	7.20	2.95
	35	5.25	2.79	5.61	2.86	5.98	2.93	6.16	2.97	6.71	3.05	7.07	3.10
	40	5.03	3.00	5.39	3.10	5.76	3.19	5.94	3.23	6.48	3.34	6.85	3.40
	43	4.90	3.16	5.26	3.25	5.62	3.35	5.81	3.39	6.35	3.52	6.72	3.59
	46	4.76	3.27	5.12	3.27	5.46	3.27	5.62	3.27	6.12	3.27	6.44	3.27
2.5+2.5	22	5.10	1.34	5.41	1.49	5.72	1.51	5.88	1.52	6.35	1.55	6.67	1.56
	25	4.91	1.57	5.22	1.60	5.53	1.63	5.69	1.64	6.16	1.67	6.47	1.69
	32	4.64	1.74	4.95	1.79	5.27	1.82	5.42	1.84	5.89	1.89	6.21	1.92
	35	4.53	1.82	4.84	1.87	5.15	1.92	5.31	1.94	5.78	1.99	6.09	2.03
	40	4.34	1.96	4.65	2.03	4.96	2.08	5.12	2.11	5.59	2.18	5.90	2.22
	43	4.22	2.07	4.53	2.12	4.85	2.19	5.01	2.22	5.48	2.30	5.79	2.34
	46	4.11	2.16	4.42	2.24	4.73	2.31	4.89	2.35	5.36	2.45	5.67	2.50
2.5+3.5	22	5.90	1.82	6.36	2.09	6.73	2.12	6.91	2.13	7.46	2.17	7.83	2.19
	25	5.77	2.21	6.14	2.25	6.50	2.28	6.69	2.30	7.24	2.35	7.61	2.37
	32	5.45	2.44	5.82	2.50	6.19	2.55	6.37	2.58	6.93	2.65	7.30	2.70
	35	5.32	2.55	5.69	2.62	6.06	2.69	6.24	2.72	6.79	2.79	7.16	2.84
	40	5.10	2.75	5.46	2.84	5.83	2.92	6.02	2.96	6.57	3.06	6.94	3.11
	43	4.96	2.90	5.33	2.98	5.70	3.06	5.88	3.11	6.43	3.22	6.80	3.29
	46	4.83	3.03	5.19	3.15	5.56	3.24	5.75	3.27	6.29	3.27	6.64	3.27
2.5+5.0	22	6.37	1.64	6.77	1.82	7.16	1.85	7.35	1.87	7.94	1.90	8.33	1.92
	25	6.14	1.93	6.53	1.97	6.92	2.00	7.12	2.01	7.70	2.05	8.10	2.08
	32	5.80	2.14	6.19	2.19	6.59	2.24	6.78	2.26	7.37	2.32	7.76	2.36
	35	5.66	2.23	6.05	2.29	6.44	2.35	6.64	2.38	7.23	2.45	7.62	2.49
	40	5.42	2.41	5.81	2.49	6.21	2.56	6.40	2.59	6.99	2.68	7.38	2.73
	43	5.28	2.53	5.67	2.60	6.06	2.68	6.26	2.72	6.85	2.82	7.24	2.88
	46	5.14	2.65	5.53	2.75	5.92	2.84	6.12	2.89	6.70	3.00	7.10	3.06
2.5+6.0	22	6.51	1.74	6.91	1.93	7.31	1.96	7.51	1.98	8.11	2.01	8.51	2.03
	25	6.27	2.04	6.67	2.08	7.07	2.12	7.27	2.13	7.87	2.17	8.27	2.20
	32	5.93	2.26	6.33	2.32	6.73	2.37	6.93	2.39	7.53	2.45	7.93	2.50
	35	5.78	2.37	6.18	2.43	6.58	2.49	6.78	2.52	7.38	2.59	7.78	2.63
	40	5.54	2.55	5.94	2.63	6.34	2.71	6.54	2.74	7.14	2.83	7.54	2.89
	43	5.39	2.68	5.79	2.76	6.19	2.84	6.39	2.88	6.99	2.98	7.39	3.04
	46	5.24	2.81	5.64	2.91	6.04	3.01	6.24	3.06	6.85	3.18	7.25	3.24
3.5+3.5	22	6.19	1.87	6.57	2.09	6.95	2.12	7.14	2.13	7.72	2.17	8.10	2.19
	25	5.96	2.21	6.34	2.25	6.72	2.28	6.91	2.30	7.48	2.35	7.86	2.37
	32	5.64	2.44	6.02	2.50	6.40	2.55	6.59	2.58	7.16	2.65	7.54	2.70
	35	5.50	2.55	5.88	2.62	6.26	2.69	6.45	2.72	7.02	2.79	7.40	2.84
	40	5.27	2.75	5.65	2.84	6.03	2.92	6.22	2.96	6.79	3.06	7.17	3.11
	43	5.13	2.90	5.51	2.98	5.89	3.06	6.08	3.11	6.65	3.22	7.03	3.29
	46	4.99	3.03	5.37	3.15	5.75	3.24	5.94	3.27	6.50	3.27	6.86	3.27

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+5.0	22	6.51	1.76	6.91	1.96	7.31	2.00	7.51	2.01	8.11	2.04	8.51	2.06
	25	6.27	2.08	6.67	2.12	7.07	2.15	7.27	2.16	7.87	2.21	8.27	2.23
	32	5.93	2.30	6.33	2.36	6.73	2.40	6.93	2.43	7.53	2.49	7.93	2.54
	35	5.78	2.40	6.18	2.47	6.58	2.53	6.78	2.56	7.38	2.63	7.78	2.67
	40	5.54	2.59	5.94	2.67	6.34	2.75	6.54	2.78	7.14	2.88	7.54	2.93
	43	5.39	2.73	5.79	2.80	6.19	2.88	6.39	2.93	6.99	3.03	7.39	3.09
	46	5.24	2.85	5.64	2.96	6.04	3.05	6.24	3.10	6.85	3.23	7.24	3.27
3.5+6.0	22	6.77	1.90	7.18	2.12	7.60	2.15	7.81	2.16	8.43	2.20	8.85	2.22
	25	6.52	2.24	6.93	2.28	7.35	2.32	7.56	2.33	8.18	2.38	8.60	2.41
	32	6.16	2.48	6.58	2.54	6.99	2.59	7.20	2.62	7.83	2.69	8.24	2.74
	35	6.01	2.59	6.43	2.66	6.84	2.73	7.05	2.76	7.67	2.84	8.09	2.88
	40	5.76	2.79	6.17	2.88	6.59	2.96	6.80	3.00	7.42	3.10	7.84	3.16
	43	5.60	2.94	6.02	3.02	6.44	3.11	6.65	3.15	7.27	3.27	7.69	3.33
	46	5.45	3.07	5.87	3.19	6.29	3.27	6.49	3.27	7.09	3.27	7.48	3.27
5.0+5.0	22	6.92	1.64	7.35	1.82	7.77	1.85	7.99	1.87	8.62	1.90	9.05	1.92
	25	6.66	1.93	7.09	1.97	7.51	2.00	7.73	2.01	8.37	2.05	8.79	2.08
	32	6.30	2.14	6.73	2.19	7.15	2.24	7.37	2.26	8.00	2.32	8.43	2.36
	35	6.15	2.23	6.57	2.29	7.00	2.35	7.21	2.38	7.85	2.45	8.27	2.49
	40	5.89	2.41	6.31	2.49	6.74	2.56	6.95	2.59	7.59	2.68	8.02	2.73
	43	5.73	2.53	6.16	2.60	6.58	2.68	6.80	2.72	7.43	2.82	7.86	2.88
	46	5.58	2.65	6.00	2.75	6.43	2.84	6.64	2.89	7.28	3.00	7.71	3.06
5.0+6.0	22	6.98	1.64	7.41	1.82	7.84	1.85	8.05	1.87	8.70	1.90	9.13	1.92
	25	6.72	1.93	7.15	1.97	7.58	2.00	7.79	2.01	8.44	2.05	8.86	2.08
	32	6.35	2.14	6.78	2.19	7.21	2.24	7.43	2.26	8.07	2.32	8.50	2.36
	35	6.20	2.23	6.63	2.29	7.06	2.35	7.27	2.38	7.91	2.45	8.34	2.49
	40	5.94	2.41	6.37	2.49	6.79	2.56	7.01	2.59	7.65	2.68	8.08	2.73
	43	5.78	2.53	6.21	2.60	6.64	2.68	6.85	2.72	7.50	2.82	7.93	2.88
	46	5.62	2.65	6.05	2.75	6.48	2.84	6.70	2.89	7.34	3.00	7.77	3.06
2.5+2.5+2.5	22	6.66	1.63	7.07	1.81	7.48	1.84	7.69	1.85	8.30	1.88	8.71	1.90
	25	6.41	1.91	6.82	1.95	7.23	1.98	7.44	1.99	8.05	2.03	8.46	2.06
	32	6.07	2.12	6.47	2.17	6.88	2.22	7.09	2.24	7.70	2.30	8.11	2.34
	35	5.92	2.22	6.33	2.27	6.74	2.33	6.94	2.36	7.55	2.42	7.96	2.46
	40	5.67	2.39	6.08	2.47	6.49	2.53	6.69	2.57	7.31	2.65	7.72	2.70
	43	5.52	2.51	5.93	2.58	6.34	2.66	6.54	2.70	7.16	2.80	7.57	2.85
	46	5.37	2.63	5.78	2.73	6.19	2.82	6.39	2.86	7.01	2.98	7.42	3.04
2.5+2.5+3.5	22	6.71	1.66	7.12	1.85	7.54	1.88	7.74	1.89	8.36	1.92	8.77	1.94
	25	6.46	1.95	6.87	1.99	7.29	2.02	7.49	2.04	8.11	2.08	8.52	2.10
	32	6.11	2.16	6.52	2.22	6.93	2.26	7.14	2.29	7.76	2.35	8.17	2.39
	35	5.96	2.26	6.37	2.32	6.78	2.38	6.99	2.41	7.61	2.48	8.02	2.52
	40	5.71	2.44	6.12	2.52	6.53	2.59	6.74	2.62	7.36	2.71	7.77	2.76
	43	5.56	2.57	5.97	2.64	6.38	2.71	6.59	2.75	7.21	2.85	7.62	2.91
	46	5.41	2.68	5.82	2.79	6.23	2.88	6.44	2.92	7.06	3.04	7.47	3.10
2.5+2.5+5.0	22	6.97	1.63	7.40	1.81	7.83	1.84	8.04	1.85	8.68	1.88	9.11	1.90
	25	6.71	1.91	7.14	1.95	7.57	1.98	7.78	1.99	8.42	2.03	8.85	2.06
	32	6.34	2.12	6.77	2.17	7.20	2.22	7.42	2.24	8.06	2.30	8.49	2.34
	35	6.19	2.22	6.62	2.27	7.05	2.33	7.26	2.36	7.90	2.42	8.33	2.46
	40	5.93	2.39	6.36	2.47	6.79	2.53	7.00	2.57	7.64	2.65	8.07	2.70
	43	5.77	2.51	6.20	2.58	6.63	2.66	6.84	2.70	7.49	2.80	7.91	2.85
	46	5.62	2.63	6.04	2.73	6.47	2.82	6.69	2.86	7.33	2.98	7.76	3.04
2.5+2.5+6.0	22	7.11	1.80	7.55	2.00	7.99	2.03	8.21	2.05	8.86	2.08	9.30	2.10
	25	6.85	2.12	7.29	2.16	7.72	2.19	7.94	2.20	8.60	2.25	9.04	2.28
	32	6.48	2.34	6.91	2.40	7.35	2.45	7.57	2.48	8.23	2.54	8.66	2.59
	35	6.32	2.45	6.75	2.51	7.19	2.58	7.41	2.61	8.07	2.68	8.50	2.73
	40	6.05	2.64	6.49	2.73	6.93	2.80	7.14	2.84	7.80	2.93	8.24	2.99
	43	5.89	2.78	6.33	2.86	6.77	2.94	6.98	2.98	7.64	3.09	8.08	3.15
	46	5.73	2.91	6.17	3.02	6.61	3.11	6.83	3.17	7.47	3.27	7.88	3.27
2.5+3.5+3.5	22	6.94	1.85	7.37	2.05	7.79	2.09	8.01	2.10	8.65	2.14	9.08	2.16
	25	6.68	2.17	7.11	2.22	7.54	2.25	7.75	2.26	8.39	2.31	8.82	2.34
	32	6.32	2.40	6.75	2.47	7.17	2.52	7.39	2.54	8.03	2.61	8.45	2.66
	35	6.16	2.52	6.59	2.58	7.02	2.65	7.23	2.68	7.87	2.75	8.30	2.80
	40	5.90	2.71	6.33	2.80	6.76	2.88	6.97	2.91	7.61	3.01	8.04	3.07
	43	5.75	2.85	6.17	2.93	6.60	3.02	6.81	3.06	7.46	3.17	7.88	3.24
	46	5.59	2.98	6.02	3.10	6.45	3.20	6.66	3.25	7.28	3.27	7.68	3.27

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+5.0	22	7.11	1.80	7.55	2.00	7.99	2.03	8.21	2.05	8.86	2.08	9.30	2.10
	25	6.85	2.12	7.29	2.16	7.72	2.19	7.94	2.20	8.60	2.25	9.04	2.28
	32	6.48	2.34	6.91	2.40	7.35	2.45	7.57	2.48	8.23	2.54	8.66	2.59
	35	6.32	2.45	6.75	2.51	7.19	2.58	7.41	2.61	8.07	2.68	8.50	2.73
	40	6.05	2.64	6.49	2.73	6.93	2.80	7.14	2.84	7.80	2.93	8.24	2.99
	43	5.89	2.78	6.33	2.86	6.77	2.94	6.98	2.98	7.64	3.09	8.08	3.15
	46	5.73	2.91	6.17	3.02	6.61	3.11	6.83	3.17	7.47	3.27	7.88	3.27
3.5+3.5+3.5	22	7.09	1.91	7.52	2.13	7.96	2.17	8.17	2.18	8.83	2.22	9.26	2.24
	25	6.82	2.25	7.26	2.30	7.69	2.33	7.91	2.35	8.56	2.40	9.00	2.42
	32	6.45	2.49	6.89	2.56	7.32	2.61	7.54	2.64	8.19	2.71	8.63	2.76
	35	6.29	2.61	6.73	2.68	7.16	2.75	7.38	2.78	8.03	2.86	8.47	2.90
	40	6.03	2.81	6.46	2.90	6.90	2.99	7.12	3.02	7.77	3.13	8.20	3.18
	43	5.87	2.96	6.30	3.04	6.74	3.13	6.96	3.18	7.61	3.29	8.05	3.36
	46	5.71	3.10	6.14	3.21	6.58	3.27	6.79	3.27	7.41	3.27	7.81	3.27

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m

3D042742#1
3D042742#2

[Heating Capacity 50Hz 240V]

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	16	2.76	1.28	3.23	1.37	3.75	1.47	4.21	1.55	4.79	1.64	5.03	1.62	5.03	1.45
	18	2.74	1.32	3.22	1.42	3.74	1.51	4.19	1.59	4.77	1.68	5.01	1.66	5.01	1.49
	20	2.73	1.36	3.21	1.46	3.73	1.55	4.17	1.63	4.75	1.73	4.99	1.71	4.99	1.53
	21	2.73	1.38	3.21	1.48	3.72	1.57	4.17	1.65	4.74	1.75	4.98	1.73	4.98	1.55
	22	2.72	1.40	3.20	1.50	3.72	1.59	4.16	1.67	4.66	1.74	4.66	1.59	4.66	1.43
	24	2.71	1.44	3.19	1.54	3.71	1.64	4.02	1.63	4.02	1.42	4.02	1.30	4.02	1.18
3.5	16	3.13	1.58	3.67	1.69	4.26	1.82	4.78	1.90	5.45	2.02	5.92	2.10	6.11	1.97
	18	3.12	1.63	3.66	1.74	4.25	1.86	4.76	1.95	5.42	2.07	5.81	2.11	5.81	1.87
	20	3.11	1.68	3.65	1.79	4.24	1.91	4.75	2.00	5.40	2.13	5.49	1.97	5.49	1.75
	21	3.10	1.70	3.64	1.82	4.23	1.94	4.74	2.03	5.34	2.12	5.34	1.91	5.34	1.70
	22	3.10	1.73	3.64	1.84	4.23	1.96	4.73	2.06	5.19	2.05	5.19	1.85	5.19	1.65
	24	3.08	1.78	3.63	1.90	4.21	2.02	4.71	2.12	4.88	1.92	4.88	1.72	4.88	1.54
5.0	16	4.29	2.09	5.03	2.24	5.84	2.40	6.55	2.52	7.47	2.67	8.11	2.78	8.94	2.93
	18	4.28	2.15	5.02	2.31	5.82	2.46	6.53	2.58	7.43	2.74	8.07	2.86	8.89	3.01
	20	4.26	2.22	5.00	2.38	5.81	2.53	6.50	2.65	7.40	2.82	8.03	2.94	8.85	3.10
	21	4.25	2.25	4.99	2.41	5.80	2.56	6.49	2.69	7.38	2.86	8.01	2.98	8.83	3.14
	22	4.24	2.29	4.99	2.44	5.79	2.60	6.48	2.73	7.37	2.90	7.99	3.02	8.81	3.19
	24	4.23	2.36	4.97	2.51	5.78	2.67	6.46	2.81	7.34	2.99	7.96	3.11	8.34	2.95
6.0	16	4.84	2.46	5.68	2.64	6.59	2.83	7.40	2.97	8.43	3.15	9.15	3.28	10.08	3.45
	18	4.82	2.54	5.66	2.72	6.57	2.90	7.37	3.04	8.39	3.23	9.10	3.37	10.03	3.55
	20	4.81	2.61	5.64	2.80	6.55	2.98	7.34	3.12	8.35	3.32	9.06	3.46	9.98	3.65
	21	4.80	2.65	5.64	2.84	6.54	3.02	7.32	3.17	8.33	3.37	9.04	3.51	9.96	3.70
	22	4.79	2.69	5.63	2.88	6.53	3.06	7.31	3.21	8.31	3.42	9.02	3.56	9.94	3.76
	24	4.77	2.77	5.61	2.95	6.52	3.15	7.29	3.31	8.28	3.52	8.98	3.67	9.40	3.43
2.5+2.5	16	4.61	2.24	5.41	2.41	6.28	2.58	7.04	2.71	8.02	2.87	8.71	2.99	9.60	3.15
	18	4.59	2.31	5.39	2.48	6.26	2.65	7.01	2.78	7.99	2.95	8.67	3.07	9.55	3.24
	20	4.58	2.39	5.37	2.55	6.24	2.72	6.99	2.85	9.40	3.44	8.63	3.16	9.45	3.28
	21	4.57	2.42	5.37	2.59	6.23	2.75	6.97	2.89	7.93	3.07	8.61	3.20	9.40	3.32
	22	4.56	2.46	5.36	2.62	6.22	2.79	6.96	2.93	7.92	3.12	8.55	3.22	8.55	2.75
	24	4.54	2.53	5.34	2.70	6.20	2.87	6.94	3.02	7.88	3.21	8.04	2.93	8.04	2.51
2.5+3.5	16	4.87	2.46	5.72	2.65	6.63	2.84	7.44	2.98	8.48	3.16	9.20	3.29	10.14	3.46
	18	4.85	2.54	5.70	2.73	6.61	2.91	7.41	3.05	9.62	3.38	9.16	3.38	9.70	3.25
	20	4.84	2.62	5.68	2.80	6.59	2.98	7.38	3.13	9.58	3.47	9.11	3.47	9.60	3.30
	21	4.83	2.66	5.67	2.84	6.58	3.03	7.37	3.18	8.38	3.38	9.09	3.52	9.55	3.31
	22	4.82	2.70	5.66	2.88	6.57	3.07	7.36	3.22	8.36	3.43	8.70	3.24	8.70	2.76
	24	4.80	2.78	5.64	2.96	6.56	3.16	7.33	3.32	8.19	3.39	8.19	2.95	8.19	2.53

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+5.0	16	5.14	2.26	6.04	2.43	7.00	2.61	7.86	2.73	8.95	2.90	9.72	3.02	10.71	3.18
	18	5.13	2.34	6.02	2.50	6.98	2.67	7.82	2.80	8.91	2.98	9.67	3.10	10.66	3.27
	20	5.11	2.41	6.00	2.58	6.96	2.74	7.80	2.88	8.87	3.06	9.62	3.19	10.61	3.36
	21	5.10	2.45	5.99	2.61	6.95	2.78	7.78	2.92	8.85	3.10	9.60	3.24	10.58	3.41
	22	5.09	2.48	5.98	2.65	6.94	2.82	7.77	2.96	8.83	3.15	9.58	3.28	10.56	3.46
	24	5.07	2.56	5.96	2.72	6.92	2.90	7.74	3.05	8.80	3.24	9.54	3.38	10.51	3.56
2.5+6.0	16	5.31	2.30	6.23	2.47	7.22	2.65	8.10	2.78	9.23	2.95	10.02	3.07	11.05	3.23
	18	5.29	2.38	6.21	2.55	7.20	2.72	8.07	2.85	9.19	3.03	9.97	3.15	10.99	3.32
	20	5.27	2.45	6.19	2.62	7.18	2.79	8.04	2.93	9.15	3.11	9.93	3.24	10.94	3.42
	21	5.26	2.49	6.18	2.66	7.17	2.83	8.03	2.97	9.13	3.15	9.91	3.29	10.91	3.47
	22	5.25	2.52	6.17	2.69	7.16	2.86	8.01	3.01	9.11	3.20	9.88	3.34	10.89	3.52
	24	5.23	2.60	6.15	2.77	7.14	2.95	7.98	3.10	9.07	3.29	9.84	3.43	10.84	3.62
3.5+3.5	16	4.96	2.40	5.82	2.57	6.75	2.76	7.57	2.90	8.63	3.07	9.37	3.20	10.32	3.37
	18	4.94	2.47	5.80	2.65	6.73	2.83	7.54	2.97	9.85	3.49	9.32	3.28	9.85	3.15
	20	4.92	2.55	5.78	2.73	6.71	2.90	7.51	3.05	9.81	3.59	9.28	3.38	9.82	3.25
	21	4.91	2.59	5.77	2.77	6.70	2.94	7.50	3.09	8.53	3.29	9.26	3.43	9.77	3.27
	22	4.90	2.63	5.76	2.81	6.69	2.98	7.49	3.14	8.51	3.33	8.92	3.20	8.92	2.73
	24	4.88	2.71	5.74	2.88	6.67	3.07	7.46	3.23	8.41	3.37	8.41	2.93	8.41	2.51
3.5+5.0	16	5.31	2.33	6.23	2.50	7.22	2.68	8.10	2.81	9.23	2.99	10.02	3.11	11.05	3.27
	18	5.29	2.41	6.21	2.58	7.20	2.75	8.07	2.89	9.19	3.07	9.97	3.19	10.99	3.37
	20	5.27	2.48	6.19	2.65	7.18	2.82	8.04	2.96	9.15	3.15	9.93	3.28	10.94	3.46
	21	5.26	2.52	6.18	2.69	7.17	2.86	8.03	3.01	9.13	3.19	9.91	3.33	10.91	3.51
	22	5.25	2.56	6.17	2.73	7.16	2.90	8.01	3.05	9.11	3.24	9.88	3.38	10.89	3.56
	24	5.23	2.63	6.15	2.80	7.14	2.98	7.98	3.14	9.07	3.34	9.84	3.48	10.84	3.67
3.5+6.0	16	5.37	2.32	6.29	2.49	7.30	2.67	8.19	2.80	9.33	2.97	10.13	3.09	11.17	3.25
	18	5.34	2.39	6.27	2.56	7.28	2.73	8.16	2.87	9.29	3.05	10.08	3.17	11.11	3.34
	20	5.32	2.47	6.25	2.64	7.26	2.81	8.13	2.95	9.25	3.13	10.04	3.26	11.06	3.44
	21	5.31	2.50	6.24	2.67	7.25	2.84	8.11	2.99	9.23	3.17	10.01	3.31	11.03	3.49
	22	5.30	2.54	6.23	2.71	7.24	2.88	8.10	3.03	9.21	3.22	9.99	3.36	11.01	3.54
	24	5.28	2.61	6.21	2.79	7.22	2.97	8.07	3.12	9.17	3.31	9.95	3.46	10.96	3.65
5.0+5.0	16	5.48	2.13	6.43	2.29	7.46	2.45	8.37	2.57	9.54	2.73	10.35	2.84	11.41	2.99
	18	5.46	2.20	6.41	2.36	7.44	2.52	8.34	2.64	9.49	2.80	10.30	2.92	11.35	3.08
	20	5.44	2.27	6.39	2.43	7.41	2.58	8.30	2.71	9.45	2.88	10.25	3.00	11.30	3.16
	21	5.43	2.30	6.38	2.46	7.40	2.62	8.29	2.75	9.43	2.92	10.23	3.04	11.27	3.21
	22	5.42	2.34	6.37	2.49	7.39	2.65	8.27	2.79	9.41	2.96	10.21	3.09	11.25	3.26
	24	5.40	2.41	6.35	2.56	7.38	2.73	8.25	2.87	9.37	3.05	10.16	3.18	11.19	3.36
5.0+6.0	16	5.54	2.12	6.50	2.28	7.54	2.45	8.46	2.56	9.64	2.72	10.46	2.83	11.53	2.98
	18	5.52	2.19	6.48	2.35	7.51	2.51	8.42	2.63	9.59	2.79	10.41	2.91	11.47	3.07
	20	5.50	2.26	6.46	2.42	7.49	2.57	8.39	2.70	9.55	2.87	10.36	2.99	11.42	3.15
	21	5.49	2.29	6.45	2.45	7.48	2.61	8.38	2.74	9.53	2.91	10.34	3.03	11.39	3.20
	22	5.48	2.33	6.43	2.49	7.47	2.64	8.36	2.78	9.51	2.95	10.32	3.08	11.37	3.25
	24	5.45	2.40	6.41	2.55	7.45	2.72	8.33	2.86	9.47	3.04	10.27	3.17	11.31	3.34
2.5+2.5+2.5	16	5.45	2.35	6.40	2.52	7.42	2.70	8.33	2.83	9.48	3.00	10.30	3.13	11.35	3.30
	18	5.43	2.42	6.38	2.59	7.40	2.77	8.29	2.91	9.44	3.08	10.25	3.21	11.29	3.39
	20	5.41	2.50	6.35	2.67	7.37	2.84	8.26	2.98	9.40	3.17	10.20	3.30	11.24	3.48
	21	5.40	2.53	6.34	2.71	7.36	2.88	8.25	3.03	9.38	3.21	10.18	3.35	11.21	3.53
	22	5.39	2.57	6.33	2.75	7.35	2.92	8.23	3.07	9.36	3.26	10.15	3.40	11.19	3.59
	24	5.37	2.65	6.31	2.82	7.34	3.00	8.20	3.16	9.32	3.36	10.11	3.50	11.13	3.69
2.5+2.5+3.5	16	5.46	2.35	6.40	2.52	7.43	2.70	8.33	2.83	9.49	3.00	10.31	3.13	11.36	3.30
	18	5.44	2.42	6.38	2.59	7.40	2.77	8.30	2.91	9.45	3.08	10.26	3.21	11.31	3.39
	20	5.42	2.50	6.36	2.67	7.38	2.84	8.27	2.98	9.41	3.17	10.21	3.30	11.25	3.48
	21	5.41	2.53	6.35	2.71	7.37	2.88	8.25	3.03	9.39	3.21	10.19	3.35	11.23	3.53
	22	5.40	2.57	6.34	2.75	7.36	2.92	8.24	3.07	9.37	3.26	10.16	3.40	11.20	3.59
	24	5.37	2.65	6.32	2.82	7.34	3.00	8.21	3.16	9.33	3.36	10.12	3.50	11.15	3.69
2.5+2.5+5.0	16	5.54	2.11	6.50	2.26	7.54	2.43	8.46	2.55	9.64	2.70	10.46	2.81	11.53	2.96
	18	5.52	2.18	6.48	2.33	7.51	2.49	8.42	2.61	9.59	2.77	10.41	2.89	11.47	3.04
	20	5.50	2.24	6.46	2.40	7.49	2.55	8.39	2.68	9.55	2.85	10.36	2.97	11.42	3.13
	21	5.49	2.28	6.45	2.43	7.48	2.59	8.38	2.72	9.53	2.89	10.34	3.01	11.39	3.18
	22	5.48	2.31	6.43	2.47	7.47	2.63	8.36	2.76	9.51	2.93	10.32	3.06	11.37	3.22
	24	5.45	2.38	6.41	2.54	7.45	2.70	8.33	2.84	9.47	3.02	10.27	3.15	11.31	3.32
2.5+2.5+6.0	16	5.57	2.09	6.53	2.24	7.58	2.40	8.50	2.52	9.69	2.67	10.52	2.78	11.59	2.93
	18	5.55	2.15	6.51	2.31	7.55	2.46	8.47	2.58	9.64	2.74	10.47	2.86	11.53	3.01
	20	5.53	2.22	6.49	2.38	7.53	2.53	8.44	2.65	9.60	2.82	10.42	2.94	11.48	3.10
	21	5.52	2.25	6.48	2.41	7.52	2.56	8.42	2.69	9.58	2.86	10.39	2.98	11.45	3.14
	22	5.50	2.29	6.47	2.44	7.51	2.60	8.41	2.73	9.56	2.90	10.37	3.02	11.42	3.19
	24	5.48	2.36	6.45	2.51	7.49	2.67	8.38	2.81	9.52	2.99	10.32	3.11	11.37	3.29

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+3.5	16	5.48	2.35	6.43	2.52	7.46	2.70	8.37	2.83	9.54	3.00	10.35	3.13	11.41	3.30
	18	5.46	2.42	6.41	2.59	7.44	2.77	8.34	2.91	9.49	3.08	10.30	3.21	11.35	3.39
	20	5.44	2.50	6.39	2.67	7.41	2.84	8.30	2.98	9.45	3.17	10.25	3.30	11.30	3.48
	21	5.43	2.53	6.38	2.71	7.40	2.88	8.29	3.03	9.43	3.21	10.23	3.35	11.27	3.53
	22	5.42	2.57	6.37	2.75	7.39	2.92	8.27	3.07	9.41	3.26	10.21	3.40	11.25	3.59
	24	5.48	2.65	6.45	2.82	7.49	3.00	8.38	3.16	9.52	3.36	10.32	3.50	11.37	3.69
2.5+3.5+5.0	16	5.57	2.12	6.53	2.27	7.58	2.44	8.50	2.56	9.69	2.71	10.52	2.82	11.59	2.97
	18	5.55	2.18	6.51	2.34	7.55	2.50	8.47	2.62	9.64	2.78	10.47	2.90	11.53	3.06
	20	5.53	2.25	6.49	2.41	7.53	2.56	8.44	2.69	9.60	2.86	10.42	2.98	11.48	3.14
	21	5.52	2.29	6.48	2.44	7.52	2.60	8.42	2.73	9.58	2.90	10.39	3.02	11.45	3.19
	22	5.50	2.32	6.47	2.48	7.51	2.63	8.41	2.77	9.56	2.94	10.37	3.07	11.42	3.23
	24	5.48	2.39	6.45	2.54	7.49	2.71	8.38	2.85	9.52	3.03	10.32	3.16	11.37	3.33
3.5+3.5+3.5	16	5.54	2.27	6.50	2.44	7.54	2.62	8.46	2.74	9.64	2.91	10.46	3.03	11.53	3.19
	18	5.52	2.34	6.48	2.51	7.51	2.68	8.42	2.81	9.59	2.99	10.41	3.11	11.47	3.28
	20	5.50	2.42	6.46	2.59	7.49	2.75	8.39	2.89	9.55	3.07	10.36	3.20	11.42	3.37
	21	5.49	2.45	6.45	2.62	7.48	2.79	8.38	2.93	9.53	3.11	10.34	3.25	11.39	3.42
	22	5.48	2.49	6.43	2.66	7.47	2.83	8.36	2.97	9.51	3.16	10.32	3.29	11.37	3.47
	24	5.45	2.56	6.41	2.73	7.45	2.91	8.33	3.06	9.47	3.25	10.27	3.39	11.31	3.58

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m

3D042742#3
3D042742#4

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7.1.2 4MXD80BVMA

[Cooling Capacity 50/60Hz 220V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22	2.75	0.60	3.27	0.77	3.56	0.81	3.66	0.82	3.95	0.83	4.14	0.84
	25	2.75	0.73	3.24	0.86	3.44	0.87	3.54	0.88	3.83	0.90	4.02	0.91
	32	2.75	0.87	3.08	0.96	3.27	0.98	3.37	0.99	3.66	1.01	3.86	1.03
	35	2.75	0.95	3.01	1.00	3.20	1.03	3.30	1.04	3.59	1.07	3.79	1.09
	40	2.69	1.05	2.89	1.09	3.08	1.12	3.18	1.13	3.47	1.17	3.67	1.19
	43	2.62	1.11	2.82	1.14	3.01	1.17	3.11	1.19	3.40	1.23	3.60	1.26
	46	2.55	1.16	2.75	1.20	2.94	1.24	3.04	1.26	3.33	1.31	3.53	1.34
3.5	22	3.14	0.74	3.73	0.95	4.43	1.15	4.55	1.16	4.92	1.18	5.16	1.19
	25	3.14	0.91	3.73	1.08	4.28	1.24	4.40	1.25	4.77	1.28	5.01	1.29
	32	3.14	1.09	3.73	1.30	4.08	1.39	4.20	1.40	4.56	1.44	4.81	1.47
	35	3.14	1.17	3.73	1.42	3.99	1.46	4.11	1.48	4.47	1.52	4.72	1.55
	40	3.14	1.34	3.60	1.55	3.84	1.59	3.96	1.61	4.33	1.66	4.57	1.69
	43	3.14	1.48	3.51	1.62	3.75	1.67	3.87	1.69	4.24	1.75	4.48	1.79
	46	3.14	1.61	3.42	1.71	3.66	1.77	3.79	1.80	4.15	1.87	4.39	1.91
5.0	22	5.64	1.51	5.98	1.68	6.33	1.71	6.50	1.72	7.02	1.75	7.37	1.76
	25	5.42	1.78	5.77	1.81	6.12	1.84	6.29	1.85	6.81	1.89	7.16	1.91
	32	5.13	1.96	5.48	2.02	5.82	2.06	6.00	2.08	6.52	2.13	6.86	2.17
	35	5.00	2.06	5.35	2.11	5.70	2.16	5.87	2.19	6.39	2.25	6.74	2.29
	40	4.79	2.22	5.14	2.29	5.49	2.35	5.66	2.38	6.18	2.46	6.53	2.51
	43	4.67	2.33	5.01	2.40	5.36	2.47	5.53	2.50	6.05	2.59	6.40	2.65
	46	4.54	2.44	4.89	2.53	5.23	2.61	5.41	2.66	5.93	2.76	6.27	2.82
6.0	22	6.17	1.79	6.55	1.99	6.93	2.03	7.12	2.04	7.69	2.08	8.07	2.10
	25	5.94	2.11	6.32	2.15	6.70	2.18	6.89	2.20	7.46	2.24	7.84	2.27
	32	5.62	2.33	6.00	2.39	6.38	2.44	6.57	2.47	7.14	2.53	7.52	2.58
	35	5.48	2.44	5.86	2.50	6.24	2.57	6.43	2.60	7.00	2.67	7.38	2.72
	40	5.25	2.63	5.63	2.72	6.01	2.79	6.20	2.83	6.77	2.92	7.15	2.98
	43	5.11	2.77	5.49	2.84	5.87	2.93	6.06	2.97	6.63	3.08	7.01	3.14
	46	4.97	2.90	5.35	2.96	5.72	2.96	5.90	2.96	6.42	2.96	6.76	2.96
7.1	22	6.72	2.10	7.28	2.42	7.70	2.46	7.91	2.48	8.54	2.52	8.96	2.55
	25	6.60	2.56	7.02	2.61	7.44	2.65	7.65	2.67	8.28	2.72	8.71	2.76
	32	6.24	2.84	6.66	2.91	7.08	2.97	7.29	3.00	7.93	3.08	8.35	3.13
	35	6.09	2.97	6.51	3.04	6.93	3.12	7.14	3.16	7.77	3.25	8.19	3.30
	40	5.83	3.20	6.25	3.30	6.67	3.39	6.88	3.44	7.52	3.55	7.94	3.62
	43	5.67	3.24	6.08	3.24	6.47	3.24	6.66	3.24	7.23	3.24	7.60	3.24
	46	5.38	2.96	5.73	2.96	6.08	2.96	6.24	2.96	6.73	2.96	7.06	2.96
2.5+2.5	22	5.51	1.39	6.28	1.73	6.64	1.76	6.82	1.77	7.37	1.81	7.73	1.82
	25	5.51	1.73	6.06	1.87	6.42	1.90	6.60	1.91	7.15	1.95	7.51	1.97
	32	5.38	2.03	5.75	2.08	6.11	2.12	6.29	2.14	6.84	2.20	7.20	2.24
	35	5.25	2.12	5.61	2.18	5.98	2.23	6.16	2.26	6.71	2.32	7.07	2.36
	40	5.03	2.29	5.39	2.36	5.76	2.43	5.94	2.46	6.48	2.54	6.85	2.59
	43	4.90	2.41	5.26	2.47	5.62	2.55	5.81	2.58	6.35	2.68	6.72	2.73
	46	4.76	2.52	5.13	2.61	5.49	2.70	5.67	2.74	6.22	2.85	6.58	2.91
2.5+3.5	22	5.90	1.64	6.72	2.06	7.10	2.10	7.30	2.11	7.88	2.15	8.27	2.17
	25	5.90	2.05	6.48	2.22	6.87	2.26	7.06	2.27	7.65	2.32	8.04	2.35
	32	5.76	2.41	6.15	2.48	6.54	2.53	6.73	2.55	7.32	2.62	7.70	2.67
	35	5.62	2.52	6.01	2.59	6.40	2.66	6.59	2.69	7.17	2.76	7.56	2.81
	40	5.38	2.72	5.77	2.81	6.16	2.89	6.35	2.92	6.94	3.02	7.33	3.08
	43	5.24	2.86	5.63	2.94	6.02	3.03	6.21	3.07	6.80	3.19	7.18	3.24
	46	5.10	2.96	5.48	2.96	5.84	2.96	6.02	2.96	6.54	2.96	6.89	2.96
2.5+5.0	22	7.00	1.88	7.43	2.09	7.86	2.13	8.07	2.14	8.72	2.18	9.15	2.20
	25	6.74	2.21	7.17	2.26	7.60	2.29	7.81	2.31	8.46	2.35	8.89	2.38
	32	6.37	2.45	6.80	2.51	7.23	2.56	7.45	2.59	8.09	2.66	8.52	2.71
	35	6.21	2.56	6.64	2.63	7.07	2.70	7.29	2.73	7.94	2.80	8.37	2.85
	40	5.95	2.76	6.38	2.85	6.81	2.93	7.03	2.97	7.67	3.07	8.10	3.13
	43	5.80	2.91	6.23	2.99	6.66	3.08	6.87	3.12	7.52	3.23	7.92	3.24
	46	5.63	2.96	6.04	2.96	6.43	2.96	6.62	2.96	7.18	2.96	7.54	2.96

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+6.0	22	7.51	2.16	7.97	2.41	8.43	2.45	8.66	2.46	9.35	2.51	9.82	2.53
	25	7.23	2.55	7.69	2.60	8.15	2.64	8.38	2.65	9.07	2.71	9.54	2.74
	32	6.83	2.82	7.30	2.89	7.76	2.95	7.99	2.98	8.68	3.06	9.14	3.11
	35	6.67	2.95	7.13	3.02	7.59	3.10	7.82	3.14	8.51	3.23	8.97	3.28
	40	6.39	3.18	6.85	3.28	7.31	3.37	7.54	3.41	8.23	3.53	8.69	3.60
	43	6.21	3.24	6.66	3.24	7.09	3.24	7.30	3.24	7.93	3.24	8.35	3.24
	46	5.91	2.96	6.29	2.96	6.66	2.96	6.84	2.96	7.40	2.96	7.76	2.96
2.5+7.1	22	7.72	2.39	8.19	2.66	8.67	2.70	8.91	2.72	9.62	2.77	10.09	2.80
	25	7.43	2.81	7.90	2.87	8.38	2.91	8.62	2.93	9.33	2.99	9.80	3.03
	32	7.03	3.11	7.50	3.19	7.98	3.26	8.21	3.29	8.93	3.38	9.40	3.44
	35	6.85	3.26	7.33	3.34	7.80	3.43	8.04	3.47	8.75	3.57	9.23	3.62
	40	6.56	3.51	7.04	3.62	7.51	3.73	7.75	3.77	8.46	3.90	8.94	3.97
	43	6.29	3.24	6.72	3.24	7.12	3.24	7.32	3.24	7.92	3.24	8.32	3.24
	46	5.88	2.96	6.23	2.96	6.59	2.96	6.76	2.96	7.27	2.96	7.61	2.96
3.5+3.5	22	6.29	1.78	7.33	2.35	7.75	2.38	7.96	2.40	8.60	2.44	9.03	2.47
	25	6.29	2.22	7.07	2.53	7.49	2.57	7.71	2.59	8.34	2.64	8.77	2.67
	32	6.28	2.75	6.71	2.82	7.13	2.87	7.34	2.90	7.98	2.98	8.41	3.04
	35	6.13	2.87	6.55	2.95	6.98	3.02	7.19	3.06	7.83	3.14	8.25	3.20
	40	5.87	3.10	6.30	3.20	6.72	3.29	6.93	3.33	7.57	3.44	7.99	3.50
	43	5.72	3.24	6.13	3.24	6.55	3.24	6.74	3.24	7.33	3.24	7.72	3.24
	46	5.46	2.96	5.83	2.96	6.18	2.96	6.35	2.96	6.87	2.96	7.20	2.96
3.5+5.0	22	7.51	2.27	7.97	2.53	8.43	2.57	8.66	2.59	9.35	2.64	9.82	2.66
	25	7.23	2.68	7.69	2.73	8.15	2.77	8.38	2.79	9.07	2.85	9.54	2.88
	32	6.83	2.96	7.30	3.04	7.76	3.10	7.99	3.13	8.68	3.21	9.14	3.27
	35	6.67	3.10	7.13	3.18	7.59	3.26	7.82	3.30	8.51	3.39	8.97	3.45
	40	6.39	3.34	6.85	3.45	7.31	3.54	7.54	3.59	8.23	3.71	8.69	3.78
	43	6.18	3.24	6.61	3.24	7.02	3.24	7.22	3.24	7.82	3.24	8.23	3.24
	46	5.82	2.96	6.18	2.96	6.54	2.96	6.71	2.96	7.24	2.96	7.59	2.96
3.5+6.0	22	7.70	2.28	8.17	2.54	8.65	2.58	8.88	2.60	9.59	2.64	10.07	2.67
	25	7.41	2.68	7.89	2.74	8.36	2.78	8.60	2.80	9.31	2.85	9.78	2.89
	32	7.01	2.97	7.48	3.05	7.96	3.11	8.19	3.14	8.90	3.22	9.38	3.28
	35	6.84	3.11	7.31	3.19	7.78	3.27	8.02	3.31	8.73	3.40	9.20	3.46
	40	6.55	3.35	7.02	3.46	7.50	3.56	7.73	3.60	8.44	3.72	8.92	3.79
	43	6.34	3.24	6.77	3.24	7.19	3.24	7.41	3.24	8.02	3.24	8.42	3.24
	46	5.96	2.96	6.34	2.96	6.70	2.96	6.88	2.96	7.41	2.96	7.77	2.96
3.5+7.1	22	7.99	2.48	8.48	2.76	8.97	2.81	9.22	2.82	9.95	2.88	10.44	2.90
	25	7.69	2.92	8.18	2.98	8.67	3.02	8.92	3.04	9.65	3.10	10.14	3.14
	32	7.27	3.23	7.76	3.31	8.25	3.38	8.50	3.42	9.24	3.50	9.73	3.57
	35	7.09	3.38	7.58	3.47	8.07	3.56	8.32	3.60	9.06	3.70	9.55	3.76
	40	6.79	3.64	7.28	3.76	7.78	3.87	8.02	3.91	8.76	4.05	9.25	4.12
	43	6.45	3.24	6.89	3.24	7.29	3.24	7.49	3.24	8.09	3.24	8.48	3.24
	46	6.00	2.96	6.35	2.96	6.71	2.96	6.86	2.96	7.38	2.96	7.72	2.96
5.0+5.0	22	7.98	2.23	8.47	2.48	8.96	2.52	9.20	2.54	9.94	2.59	10.43	2.61
	25	7.68	2.63	8.17	2.68	8.66	2.72	8.91	2.74	9.64	2.79	10.13	2.83
	32	7.26	2.91	7.75	2.98	8.24	3.04	8.49	3.07	9.22	3.15	9.72	3.21
	35	7.08	3.04	7.57	3.12	8.06	3.20	8.31	3.24	9.05	3.33	9.54	3.38
	40	6.79	3.28	7.28	3.38	7.77	3.48	8.01	3.52	8.75	3.64	9.24	3.71
	43	6.59	3.24	7.05	3.24	7.49	3.24	7.71	3.24	8.36	3.24	8.79	3.24
	46	6.22	2.96	6.61	2.96	7.00	2.96	7.18	2.96	7.75	2.96	8.13	2.96
5.0+6.0	22	8.07	2.22	8.57	2.48	9.07	2.52	9.32	2.53	10.06	2.58	10.56	2.60
	25	7.77	2.62	8.27	2.67	8.77	2.71	9.01	2.73	9.76	2.79	10.25	2.82
	32	7.35	2.90	7.85	2.97	8.34	3.03	8.59	3.06	9.34	3.14	9.83	3.20
	35	7.17	3.03	7.67	3.11	8.16	3.19	8.41	3.23	9.15	3.32	9.65	3.37
	40	6.87	3.27	7.36	3.37	7.86	3.47	8.11	3.51	8.85	3.63	9.35	3.70
	43	6.67	3.24	7.13	3.24	7.59	3.24	7.81	3.24	8.46	3.24	8.90	3.24
	46	6.29	2.96	6.70	2.96	7.10	2.96	7.29	2.96	7.85	2.96	8.24	2.96

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
5.0+7.1	22	8.10	2.35	8.60	2.62	9.10	2.67	9.35	2.68	10.10	2.73	10.59	2.76
	25	7.80	2.77	8.30	2.83	8.80	2.87	9.05	2.89	9.79	2.95	10.29	2.98
	32	7.38	3.07	7.87	3.15	8.37	3.21	8.62	3.25	9.37	3.33	9.87	3.39
	35	7.19	3.21	7.69	3.29	8.19	3.38	8.44	3.42	9.19	3.51	9.69	3.57
	40	6.89	3.46	7.39	3.57	7.89	3.67	8.14	3.72	8.88	3.85	9.38	3.92
	43	6.63	3.24	7.08	3.24	7.52	3.24	7.73	3.24	8.35	3.24	8.77	3.24
	46	6.20	2.96	6.58	2.96	6.95	2.96	7.13	2.96	7.68	2.96	8.05	2.96
6.0+6.0	22	8.15	2.28	8.65	2.54	9.15	2.58	9.40	2.60	10.16	2.64	10.66	2.67
	25	7.85	2.68	8.35	2.74	8.85	2.78	9.10	2.80	9.85	2.85	10.35	2.89
	32	7.42	2.97	7.92	3.05	8.42	3.11	8.67	3.14	9.42	3.22	9.93	3.28
	35	7.24	3.11	7.74	3.19	8.24	3.27	8.49	3.31	9.24	3.40	9.74	3.46
	40	6.93	3.35	7.43	3.46	7.93	3.56	8.19	3.60	8.94	3.72	9.44	3.79
	43	6.71	3.24	7.17	3.24	7.62	3.24	7.84	3.24	8.49	3.24	8.93	3.24
	46	6.31	2.96	6.71	2.96	7.09	2.96	7.28	2.96	7.84	2.96	8.23	2.96
6.0+7.1	22	8.12	2.35	8.62	2.61	9.12	2.66	9.37	2.67	10.12	2.72	10.62	2.75
	25	7.82	2.77	8.32	2.82	8.82	2.86	9.07	2.88	9.82	2.94	10.32	2.97
	32	7.39	3.06	7.89	3.14	8.39	3.20	8.64	3.24	9.39	3.32	9.89	3.38
	35	7.21	3.20	7.71	3.28	8.21	3.37	8.46	3.41	9.21	3.50	9.71	3.56
	40	6.91	3.45	7.41	3.56	7.91	3.66	8.16	3.71	8.91	3.83	9.41	3.90
	43	6.65	3.24	7.11	3.24	7.53	3.24	7.74	3.24	8.38	3.24	8.80	3.24
	46	6.22	2.96	6.60	2.96	6.98	2.96	7.16	2.96	7.71	2.96	8.08	2.96
2.5+2.5+2.5	22	7.23	1.90	7.67	2.12	8.12	2.15	8.34	2.16	9.01	2.20	9.45	2.22
	25	6.96	2.24	7.40	2.28	7.85	2.32	8.07	2.33	8.74	2.38	9.18	2.41
	32	6.58	2.48	7.03	2.54	7.47	2.59	7.69	2.62	8.36	2.69	8.80	2.74
	35	6.42	2.59	6.86	2.66	7.31	2.73	7.53	2.76	8.20	2.84	8.64	2.88
	40	6.15	2.79	6.59	2.88	7.04	2.96	7.26	3.00	7.93	3.10	8.37	3.16
	43	5.99	2.94	6.43	3.02	6.88	3.11	7.10	3.15	7.75	3.24	8.16	3.24
	46	5.81	2.96	6.23	2.96	6.62	2.96	6.82	2.96	7.39	2.96	7.76	2.96
2.5+2.5+3.5	22	7.60	2.11	8.07	2.35	8.54	2.38	8.77	2.40	9.47	2.44	9.94	2.47
	25	7.32	2.48	7.79	2.53	8.25	2.57	8.49	2.59	9.19	2.64	9.66	2.67
	32	6.92	2.75	7.39	2.82	7.86	2.87	8.09	2.90	8.79	2.98	9.26	3.04
	35	6.75	2.87	7.22	2.95	7.69	3.02	7.92	3.06	8.62	3.14	9.09	3.20
	40	6.47	3.10	6.93	3.20	7.40	3.29	7.64	3.33	8.34	3.44	8.80	3.50
	43	6.30	3.24	6.75	3.24	7.20	3.24	7.42	3.24	8.05	3.24	8.45	3.24
	46	6.02	2.96	6.41	2.96	6.81	2.96	6.99	2.96	7.57	2.96	7.94	2.96
2.5+2.5+5.0	22	7.84	2.03	8.33	2.26	8.81	2.30	9.05	2.31	9.77	2.36	10.26	2.38
	25	7.55	2.39	8.03	2.44	8.52	2.48	8.76	2.49	9.48	2.54	9.96	2.57
	32	7.14	2.65	7.62	2.71	8.10	2.77	8.35	2.80	9.07	2.87	9.55	2.93
	35	6.96	2.77	7.45	2.84	7.93	2.92	8.17	2.95	8.89	3.03	9.38	3.08
	40	6.67	2.98	7.15	3.08	7.64	3.17	7.88	3.21	8.60	3.32	9.08	3.38
	43	6.50	3.14	6.98	3.23	7.44	3.24	7.66	3.24	8.30	3.24	8.73	3.24
	46	6.26	2.96	6.68	2.96	7.10	2.96	7.30	2.96	7.91	2.96	8.29	2.96
2.5+2.5+6.0	22	8.27	2.18	8.77	2.43	9.28	2.47	9.54	2.49	10.30	2.53	10.81	2.55
	25	7.96	2.57	8.47	2.62	8.97	2.66	9.23	2.68	9.99	2.73	10.50	2.76
	32	7.52	2.84	8.03	2.92	8.54	2.98	8.80	3.01	9.56	3.09	10.07	3.14
	35	7.34	2.98	7.85	3.05	8.36	3.13	8.61	3.17	9.37	3.26	9.88	3.31
	40	7.03	3.21	7.54	3.31	8.05	3.40	8.30	3.45	9.06	3.56	9.57	3.63
	43	6.84	3.24	7.31	3.24	7.77	3.24	8.01	3.24	8.66	3.24	9.09	3.24
	46	6.49	2.96	6.90	2.96	7.32	2.96	7.51	2.96	8.10	2.96	8.51	2.96
2.5+2.5+7.1	22	8.31	2.30	8.83	2.56	9.34	2.60	9.59	2.62	10.36	2.67	10.87	2.69
	25	8.00	2.71	8.51	2.76	9.03	2.80	9.28	2.82	10.05	2.88	10.56	2.91
	32	7.57	3.00	8.08	3.07	8.59	3.14	8.85	3.17	9.61	3.25	10.12	3.31
	35	7.38	3.13	7.89	3.22	8.40	3.30	8.66	3.34	9.43	3.43	9.94	3.49
	40	7.07	3.38	7.58	3.49	8.09	3.59	8.35	3.63	9.12	3.76	9.63	3.82
	43	6.82	3.24	7.31	3.24	7.76	3.24	7.97	3.24	8.63	3.24	9.07	3.24
	46	6.42	2.96	6.82	2.96	7.21	2.96	7.40	2.96	7.97	2.96	8.35	2.96

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+3.5	22	7.70	2.16	8.17	2.40	8.65	2.44	8.88	2.45	9.59	2.50	10.07	2.52
	25	7.41	2.54	7.89	2.59	8.36	2.63	8.60	2.64	9.31	2.70	9.78	2.73
	32	7.01	2.81	7.48	2.88	7.96	2.94	8.19	2.97	8.90	3.05	9.38	3.10
	35	6.84	2.94	7.31	3.01	7.78	3.09	8.02	3.13	8.73	3.22	9.20	3.27
	40	6.55	3.17	7.02	3.27	7.50	3.36	7.73	3.40	8.44	3.52	8.92	3.58
	43	6.38	3.24	6.83	3.24	7.27	3.24	7.49	3.24	8.13	3.24	8.54	3.24
	46	6.06	2.96	6.46	2.96	6.85	2.96	7.03	2.96	7.59	2.96	7.97	2.96
2.5+3.5+5.0	22	8.27	2.18	8.77	2.43	9.28	2.47	9.54	2.49	10.30	2.53	10.81	2.55
	25	7.96	2.57	8.47	2.62	8.97	2.66	9.23	2.68	9.99	2.73	10.50	2.76
	32	7.52	2.84	8.03	2.92	8.54	2.98	8.80	3.01	9.56	3.09	10.07	3.14
	35	7.34	2.98	7.85	3.05	8.36	3.13	8.61	3.17	9.37	3.26	9.88	3.31
	40	7.03	3.21	7.54	3.31	8.05	3.40	8.30	3.45	9.06	3.56	9.57	3.63
	43	6.84	3.24	7.31	3.24	7.77	3.24	8.01	3.24	8.66	3.24	9.09	3.24
	46	6.49	2.96	6.90	2.96	7.32	2.96	7.51	2.96	8.10	2.96	8.51	2.96
2.5+3.5+6.0	22	8.29	2.18	8.80	2.42	9.31	2.46	9.57	2.48	10.34	2.52	10.85	2.55
	25	7.98	2.56	8.49	2.61	9.00	2.65	9.26	2.67	10.03	2.72	10.54	2.76
	32	7.55	2.84	8.06	2.91	8.57	2.97	8.83	3.00	9.59	3.08	10.10	3.13
	35	7.36	2.97	7.87	3.04	8.38	3.12	8.64	3.16	9.41	3.25	9.92	3.30
	40	7.05	3.20	7.56	3.30	8.07	3.39	8.33	3.44	9.10	3.55	9.61	3.62
	43	6.86	3.24	7.34	3.24	7.80	3.24	8.02	3.24	8.69	3.24	9.12	3.24
	46	6.51	2.96	6.93	2.96	7.34	2.96	7.55	2.96	8.14	2.96	8.54	2.96
2.5+3.5+7.1	22	8.38	2.34	8.90	2.61	9.41	2.65	9.67	2.67	10.44	2.72	10.96	2.74
	25	8.07	2.76	8.58	2.81	9.10	2.85	9.36	2.87	10.13	2.93	10.64	2.97
	32	7.63	3.05	8.14	3.13	8.66	3.19	8.92	3.23	9.69	3.31	10.21	3.37
	35	7.44	3.19	7.96	3.27	8.47	3.36	8.73	3.40	9.50	3.49	10.02	3.55
	40	7.13	3.44	7.64	3.55	8.16	3.65	8.42	3.70	9.19	3.82	9.71	3.89
	43	6.86	3.24	7.34	3.24	7.78	3.24	8.00	3.24	8.65	3.24	9.09	3.24
	46	6.43	2.96	6.83	2.96	7.21	2.96	7.40	2.96	7.96	2.96	8.35	2.96
2.5+5.0+5.0	22	8.32	2.22	8.84	2.47	9.35	2.51	9.60	2.52	10.37	2.57	10.88	2.60
	25	8.01	2.61	8.52	2.66	9.04	2.70	9.29	2.72	10.06	2.78	10.57	2.81
	32	7.58	2.89	8.09	2.96	8.60	3.02	8.86	3.06	9.62	3.13	10.14	3.19
	35	7.39	3.02	7.90	3.10	8.41	3.18	8.67	3.22	9.44	3.31	9.95	3.36
	40	7.08	3.26	7.59	3.36	8.10	3.46	8.36	3.50	9.13	3.62	9.64	3.69
	43	6.87	3.24	7.35	3.24	7.83	3.24	8.05	3.24	8.71	3.24	9.13	3.24
	46	6.50	2.96	6.92	2.96	7.32	2.96	7.52	2.96	8.11	2.96	8.51	2.96
2.5+5.0+6.0	22	8.50	2.22	9.02	2.47	9.54	2.51	9.80	2.52	10.59	2.57	11.11	2.60
	25	8.18	2.61	8.70	2.66	9.22	2.70	9.49	2.72	10.27	2.78	10.79	2.81
	32	7.73	2.89	8.26	2.96	8.78	3.02	9.04	3.06	9.82	3.13	10.35	3.19
	35	7.54	3.02	8.07	3.10	8.59	3.18	8.85	3.22	9.63	3.31	10.16	3.36
	40	7.23	3.26	7.75	3.36	8.27	3.46	8.53	3.50	9.32	3.62	9.84	3.69
	43	7.02	3.24	7.50	3.24	7.97	3.24	8.20	3.24	8.87	3.24	9.30	3.24
	46	6.64	2.96	7.06	2.96	7.48	2.96	7.67	2.96	8.28	2.96	8.68	2.96
3.5+3.5+3.5	22	7.89	2.22	8.38	2.48	8.86	2.52	9.10	2.53	9.83	2.58	10.32	2.60
	25	7.60	2.62	8.08	2.67	8.57	2.71	8.81	2.73	9.54	2.79	10.02	2.82
	32	7.18	2.90	7.67	2.97	8.15	3.03	8.40	3.06	9.12	3.14	9.61	3.20
	35	7.01	3.03	7.49	3.11	7.98	3.19	8.22	3.23	8.95	3.32	9.43	3.37
	40	6.71	3.27	7.20	3.37	7.68	3.47	7.93	3.51	8.65	3.63	9.14	3.70
	43	6.51	3.24	6.97	3.24	7.42	3.24	7.63	3.24	8.28	3.24	8.70	3.24
	46	6.16	2.96	6.54	2.96	6.94	2.96	7.12	2.96	7.67	2.96	8.05	2.96
3.5+3.5+5.0	22	8.29	2.23	8.80	2.48	9.31	2.52	9.57	2.54	10.34	2.59	10.85	2.61
	25	7.98	2.63	8.49	2.68	9.00	2.72	9.26	2.74	10.03	2.79	10.54	2.83
	32	7.55	2.91	8.06	2.98	8.57	3.04	8.83	3.07	9.59	3.15	10.10	3.21
	35	7.36	3.04	7.87	3.12	8.38	3.20	8.64	3.24	9.41	3.33	9.92	3.38
	40	7.05	3.28	7.56	3.38	8.07	3.48	8.33	3.52	9.10	3.64	9.61	3.71
	43	6.84	3.24	7.32	3.24	7.79	3.24	8.01	3.24	8.68	3.24	9.11	3.24
	46	6.46	2.96	6.87	2.96	7.27	2.96	7.48	2.96	8.05	2.96	8.45	2.96

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+3.5+6.0	22	8.47	2.23	8.99	2.48	9.51	2.52	9.77	2.54	10.55	2.59	11.07	2.61
	25	8.15	2.63	8.67	2.68	9.19	2.72	9.45	2.74	10.23	2.79	10.75	2.83
	32	7.71	2.91	8.23	2.98	8.75	3.04	9.01	3.07	9.79	3.15	10.31	3.21
	35	7.52	3.04	8.04	3.12	8.56	3.20	8.82	3.24	9.60	3.33	10.12	3.38
	40	7.20	3.28	7.72	3.38	8.24	3.48	8.50	3.52	9.28	3.64	9.81	3.71
	43	6.98	3.24	7.47	3.24	7.94	3.24	8.17	3.24	8.83	3.24	9.27	3.24
	46	6.60	2.96	7.01	2.96	7.43	2.96	7.63	2.96	8.22	2.96	8.64	2.96
3.5+5.0+5.0	22	8.74	2.27	9.27	2.52	9.81	2.56	10.08	2.58	10.89	2.63	11.42	2.65
	25	8.41	2.67	8.95	2.72	9.48	2.76	9.75	2.78	10.56	2.84	11.10	2.87
	32	7.95	2.95	8.49	3.03	9.03	3.09	9.30	3.12	10.10	3.20	10.64	3.26
	35	7.76	3.09	8.29	3.17	8.83	3.25	9.10	3.29	9.91	3.38	10.44	3.44
	40	7.43	3.33	7.97	3.44	8.50	3.53	8.77	3.58	9.58	3.70	10.12	3.77
	43	7.19	3.24	7.69	3.24	8.17	3.24	8.40	3.24	9.07	3.24	9.51	3.24
	46	6.78	2.96	7.21	2.96	7.62	2.96	7.82	2.96	8.43	2.96	8.83	2.96
2.5+2.5+2.5+2.5	22	8.07	2.00	8.57	2.23	9.07	2.27	9.32	2.28	10.06	2.32	10.56	2.35
	25	7.77	2.36	8.27	2.41	8.77	2.44	9.01	2.46	9.76	2.51	10.25	2.54
	32	7.35	2.61	7.85	2.68	8.34	2.73	8.59	2.76	9.34	2.83	9.83	2.89
	35	7.17	2.73	7.67	2.80	8.16	2.88	8.41	2.91	9.15	2.99	9.65	3.04
	40	6.87	2.94	7.36	3.04	7.86	3.13	8.11	3.16	8.85	3.27	9.35	3.33
	43	6.69	3.10	7.18	3.18	7.66	3.24	7.89	3.24	8.55	3.24	8.98	3.24
	46	6.43	2.96	6.88	2.96	7.30	2.96	7.51	2.96	8.11	2.96	8.50	2.96
2.5+2.5+2.5+3.5	22	8.27	2.12	8.77	2.36	9.28	2.40	9.54	2.41	10.30	2.46	10.81	2.48
	25	7.96	2.50	8.47	2.55	8.97	2.59	9.23	2.60	9.99	2.66	10.50	2.69
	32	7.52	2.76	8.03	2.83	8.54	2.89	8.80	2.92	9.56	3.00	10.07	3.06
	35	7.34	2.89	7.85	2.97	8.36	3.04	8.61	3.08	9.37	3.16	9.88	3.22
	40	7.03	3.12	7.54	3.22	8.05	3.31	8.30	3.35	9.06	3.46	9.57	3.53
	43	6.84	3.24	7.32	3.24	7.79	3.24	8.02	3.24	8.68	3.24	9.11	3.24
	46	6.53	2.96	6.97	2.96	7.39	2.96	7.59	2.96	8.19	2.96	8.60	2.96
2.5+2.5+2.5+5.0	22	8.74	2.22	9.27	2.47	9.81	2.51	10.08	2.52	10.89	2.57	11.42	2.60
	25	8.41	2.61	8.95	2.66	9.48	2.70	9.75	2.72	10.56	2.78	11.10	2.81
	32	7.95	2.89	8.49	2.96	9.03	3.02	9.30	3.06	10.10	3.13	10.64	3.19
	35	7.76	3.02	8.29	3.10	8.83	3.18	9.10	3.22	9.91	3.31	10.44	3.36
	40	7.43	3.26	7.97	3.36	8.50	3.46	8.77	3.50	9.58	3.62	10.12	3.69
	43	7.20	3.24	7.70	3.24	8.17	3.24	8.41	3.24	9.08	3.24	9.52	3.24
	46	6.82	2.96	7.26	2.96	7.68	2.96	7.89	2.96	8.52	2.96	8.92	2.96
2.5+2.5+2.5+6.0	22	8.82	2.25	9.37	2.51	9.91	2.55	10.18	2.56	10.99	2.61	11.54	2.64
	25	8.49	2.65	9.04	2.70	9.58	2.74	9.85	2.76	10.66	2.82	11.21	2.85
	32	8.03	2.93	8.57	3.01	9.12	3.07	9.39	3.10	10.20	3.18	10.74	3.24
	35	7.83	3.07	8.38	3.15	8.92	3.23	9.19	3.27	10.00	3.36	10.55	3.42
	40	7.50	3.31	8.05	3.42	8.59	3.51	8.86	3.56	9.67	3.68	10.22	3.74
	43	7.27	3.24	7.76	3.24	8.24	3.24	8.47	3.24	9.16	3.24	9.60	3.24
	46	6.86	2.96	7.29	2.96	7.71	2.96	7.91	2.96	8.54	2.96	8.95	2.96
2.5+2.5+3.5+3.5	22	8.54	2.32	9.07	2.58	9.60	2.63	9.86	2.64	10.65	2.69	11.17	2.72
	25	8.23	2.73	8.75	2.79	9.28	2.83	9.54	2.85	10.33	2.91	10.85	2.94
	32	7.78	3.02	8.30	3.10	8.83	3.17	9.09	3.20	9.88	3.28	10.41	3.34
	35	7.59	3.16	8.11	3.25	8.64	3.33	8.90	3.37	9.69	3.46	10.21	3.52
	40	7.27	3.41	7.79	3.52	8.32	3.62	8.58	3.66	9.37	3.79	9.89	3.86
	43	7.01	3.24	7.49	3.24	7.95	3.24	8.18	3.24	8.86	3.24	9.30	3.24
	46	6.57	2.96	6.98	2.96	7.38	2.96	7.57	2.96	8.16	2.96	8.55	2.96
2.5+2.5+3.5+5.0	22	8.82	2.27	9.37	2.52	9.91	2.56	10.18	2.58	10.99	2.63	11.54	2.65
	25	8.49	2.67	9.04	2.72	9.58	2.76	9.85	2.78	10.66	2.84	11.21	2.87
	32	8.03	2.95	8.57	3.03	9.12	3.09	9.39	3.12	10.20	3.20	10.74	3.26
	35	7.83	3.09	8.38	3.17	8.92	3.25	9.19	3.29	10.00	3.38	10.55	3.44
	40	7.50	3.33	8.05	3.44	8.59	3.53	8.86	3.58	9.67	3.70	10.22	3.77
	43	7.27	3.24	7.76	3.24	8.24	3.24	8.47	3.24	9.16	3.24	9.59	3.24
	46	6.85	2.96	7.28	2.96	7.70	2.96	7.90	2.96	8.52	2.96	8.93	2.96

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+3.5+3.5	22	8.77	2.38	9.31	2.65	9.85	2.70	10.12	2.71	10.93	2.76	11.47	2.79
	25	8.45	2.81	8.99	2.86	9.53	2.90	9.80	2.92	10.61	2.98	11.14	3.02
	32	7.99	3.10	8.53	3.18	9.07	3.25	9.34	3.28	10.15	3.37	10.69	3.43
	35	7.79	3.25	8.33	3.33	8.87	3.42	9.14	3.46	9.95	3.55	10.49	3.61
	40	7.46	3.50	8.00	3.61	8.54	3.72	8.81	3.76	9.62	3.89	10.16	3.96
	43	7.17	3.24	7.65	3.24	8.11	3.24	8.34	3.24	9.01	3.24	9.46	3.24
	46	6.69	2.96	7.10	2.96	7.50	2.96	7.69	2.96	8.27	2.96	8.66	2.96

3

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m

3D042744#1
3D042744#2
3D042744#3
3D042744#4

[Heating Capacity 50/60Hz 220V]

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	16	2.79	1.47	3.27	1.58	3.80	1.70	4.26	1.78	4.85	1.89	5.03	1.81	5.03	1.62
	18	2.78	1.52	3.26	1.63	3.78	1.74	4.24	1.82	4.83	1.94	5.01	1.87	5.01	1.66
	20	2.77	1.57	3.25	1.68	3.77	1.78	4.23	1.87	4.81	1.99	4.99	1.91	4.99	1.71
	21	2.76	1.59	3.25	1.70	3.77	1.81	4.22	1.90	4.80	2.02	4.98	1.94	4.98	1.73
	22	2.76	1.61	3.24	1.72	3.76	1.83	4.21	1.93	4.66	1.95	4.66	1.76	4.66	1.58
	24	2.75	1.66	3.23	1.77	3.75	1.89	4.02	1.84	4.02	1.58	4.02	1.44	4.02	1.30
3.5	16	2.90	1.56	3.40	1.68	3.95	1.80	4.43	1.89	5.05	2.00	5.48	2.08	6.04	2.19
	18	2.89	1.61	3.39	1.73	3.93	1.84	4.41	1.93	5.02	2.05	5.45	2.14	5.81	2.11
	20	2.88	1.66	3.38	1.78	3.92	1.89	4.39	1.99	5.00	2.11	5.43	2.20	5.49	1.98
	21	2.87	1.69	3.37	1.80	3.92	1.92	4.39	2.01	4.99	2.14	5.34	2.18	5.34	1.92
	22	2.87	1.71	3.37	1.83	3.91	1.94	4.38	2.04	4.98	2.17	5.19	2.10	5.19	1.87
	24	2.86	1.76	3.36	1.88	3.90	2.00	4.36	2.10	4.88	2.16	4.88	1.95	4.88	1.74
5.0	16	4.75	2.17	5.57	2.33	6.47	2.50	7.25	2.62	8.26	2.78	8.97	2.89	9.89	3.05
	18	4.73	2.24	5.55	2.40	6.44	2.56	7.23	2.69	8.23	2.85	8.93	2.97	9.84	3.13
	20	4.71	2.31	5.54	2.47	6.43	2.63	7.20	2.76	8.19	2.93	8.89	3.05	9.38	2.93
	21	4.71	2.34	5.53	2.50	6.42	2.66	7.18	2.80	8.17	2.97	8.87	3.10	9.12	2.82
	22	4.70	2.38	5.52	2.54	6.41	2.70	7.17	2.84	8.16	3.01	8.85	3.14	8.86	2.69
	24	4.68	2.45	5.50	2.61	6.39	2.78	7.15	2.92	8.12	3.10	8.34	2.88	8.34	2.48
6.0	16	5.10	2.43	5.98	2.61	6.94	2.80	7.79	2.94	8.87	3.12	9.63	3.25	10.61	3.42
	18	5.08	2.51	5.96	2.69	6.92	2.87	7.75	3.02	8.83	3.20	9.58	3.34	10.56	3.51
	20	5.06	2.59	5.94	2.77	6.90	2.95	7.72	3.10	8.79	3.29	9.54	3.43	10.51	3.62
	21	5.05	2.63	5.93	2.81	6.89	2.99	7.71	3.14	8.77	3.34	9.52	3.48	10.28	3.50
	22	5.04	2.67	5.92	2.85	6.88	3.03	7.70	3.18	8.75	3.38	9.49	3.53	9.99	3.34
	24	5.02	2.75	5.90	2.93	6.86	3.12	7.67	3.28	8.72	3.48	9.40	3.58	9.40	3.03
7.1	16	5.48	2.71	6.43	2.91	7.46	3.12	8.37	3.27	9.54	3.47	10.35	3.61	11.41	3.80
	18	5.46	2.80	6.41	3.00	7.44	3.20	8.34	3.35	9.49	3.56	10.30	3.71	11.05	3.66
	20	5.44	2.88	6.39	3.08	7.41	3.28	8.30	3.44	9.45	3.66	10.25	3.81	10.47	3.34
	21	5.43	2.93	6.38	3.13	7.40	3.33	8.29	3.49	9.43	3.71	10.18	3.82	10.18	3.20
	22	5.42	2.97	6.37	3.17	7.39	3.37	8.27	3.54	9.41	3.76	9.89	3.63	9.89	3.05
	24	5.40	3.06	6.35	3.26	7.38	3.47	8.25	3.65	9.31	3.82	9.31	3.28	9.31	2.78
2.5+2.5	16	5.45	2.55	6.40	2.73	7.42	2.93	8.33	3.07	9.48	3.26	10.05	3.22	10.05	2.74
	18	5.43	2.63	6.38	2.82	7.40	3.00	8.29	3.15	9.44	3.35	9.55	2.98	9.55	2.55
	20	5.41	2.71	6.35	2.90	7.37	3.08	8.26	3.24	9.40	3.44	9.45	3.02	9.45	2.58
	21	5.40	2.75	6.34	2.94	7.36	3.13	8.25	3.28	9.38	3.49	9.40	3.04	9.40	2.59
	22	5.39	2.79	6.33	2.98	7.35	3.17	8.23	3.33	8.55	2.89	8.55	2.54	8.55	2.20
	24	5.37	2.87	6.31	3.06	7.34	3.26	8.04	3.28	8.04	2.63	8.04	2.33	8.04	2.03
2.5+3.5	16	5.56	2.57	6.52	2.76	7.56	2.96	8.48	3.10	9.67	3.29	10.20	3.21	10.20	2.73
	18	5.54	2.65	6.50	2.84	7.54	3.03	8.45	3.18	9.62	3.38	9.70	2.98	9.70	2.55
	20	5.51	2.73	6.48	2.92	7.52	3.11	8.42	3.27	9.58	3.47	9.60	3.02	9.60	2.58
	21	5.50	2.77	6.47	2.96	7.51	3.15	8.40	3.31	9.55	3.51	9.55	3.04	9.55	2.60
	22	5.49	2.82	6.46	3.01	7.50	3.20	8.39	3.36	8.70	2.90	8.70	2.55	8.70	2.20
	24	5.47	2.90	6.43	3.09	7.48	3.29	8.04	3.17	8.19	2.65	8.19	2.34	8.19	2.03

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+5.0	16	6.00	2.57	7.04	2.76	8.17	2.96	9.17	3.10	10.44	3.29	11.34	3.42	12.50	3.61
	18	5.98	2.65	7.02	2.84	8.14	3.03	9.13	3.18	10.40	3.38	11.28	3.52	12.44	3.71
	20	5.96	2.73	7.00	2.92	8.12	3.11	9.10	3.27	10.35	3.47	11.23	3.62	12.38	3.81
	21	5.95	2.77	6.99	2.96	8.11	3.15	9.08	3.31	10.33	3.52	11.21	3.67	12.35	3.87
	22	5.93	2.82	6.97	3.01	8.10	3.20	9.06	3.36	10.31	3.57	11.18	3.72	12.32	3.92
	24	5.91	2.90	6.95	3.09	8.08	3.29	9.03	3.46	10.26	3.67	11.13	3.83	12.26	4.04
2.5+6.0	16	6.03	2.56	7.07	2.75	8.20	2.95	9.20	3.09	10.48	3.28	11.38	3.41	12.55	3.60
	18	6.00	2.64	7.05	2.83	8.18	3.02	9.17	3.17	10.44	3.37	11.33	3.51	12.48	3.70
	20	5.98	2.73	7.02	2.91	8.15	3.10	9.13	3.26	10.39	3.46	11.27	3.61	12.42	3.80
	21	5.97	2.77	7.01	2.96	8.14	3.14	9.11	3.30	10.37	3.51	11.25	3.66	12.39	3.86
	22	5.96	2.81	7.00	3.00	8.13	3.19	9.10	3.35	10.35	3.56	11.22	3.71	12.36	3.91
	24	5.93	2.89	6.98	3.08	8.11	3.28	9.07	3.45	10.30	3.66	11.17	3.82	12.31	4.03
2.5+7.1	16	6.06	2.43	7.10	2.61	8.24	2.80	9.25	2.93	10.53	3.11	11.44	3.24	12.61	3.41
	18	6.03	2.51	7.08	2.68	8.22	2.87	9.21	3.01	10.49	3.19	11.38	3.33	12.54	3.50
	20	6.01	2.58	7.06	2.76	8.19	2.94	9.17	3.09	10.44	3.28	11.33	3.42	12.48	3.60
	21	6.00	2.62	7.05	2.80	8.18	2.98	9.16	3.13	10.42	3.33	11.30	3.47	12.45	3.66
	22	5.99	2.66	7.03	2.84	8.17	3.02	9.14	3.17	10.40	3.37	11.28	3.52	12.42	3.71
	24	5.96	2.74	7.01	2.92	8.15	3.11	9.11	3.27	10.35	3.47	11.23	3.62	12.37	3.82
3.5+3.5	16	5.69	2.66	6.67	2.85	7.74	3.06	8.69	3.21	9.90	3.40	10.35	3.24	10.35	2.76
	18	5.67	2.74	6.65	2.94	7.72	3.14	8.65	3.29	9.85	3.49	9.85	3.02	9.85	2.58
	20	5.65	2.83	6.63	3.02	7.70	3.22	8.62	3.38	9.81	3.59	9.82	3.11	9.82	2.65
	21	5.64	2.87	6.62	3.07	7.69	3.26	8.61	3.43	9.77	3.62	9.77	3.13	9.77	2.66
	22	5.63	2.91	6.61	3.11	7.68	3.31	8.59	3.47	8.92	3.00	8.92	2.62	8.92	2.27
	24	5.60	3.00	6.59	3.19	7.66	3.40	8.41	3.43	8.41	2.74	8.41	2.41	8.41	2.09
3.5+5.0	16	6.03	2.58	7.07	2.77	8.20	2.97	9.20	3.11	10.48	3.30	11.38	3.43	12.55	3.62
	18	6.00	2.66	7.05	2.85	8.18	3.04	9.17	3.19	10.44	3.39	11.33	3.53	12.48	3.72
	20	5.98	2.74	7.02	2.93	8.15	3.12	9.13	3.28	10.39	3.48	11.27	3.63	12.42	3.82
	21	5.97	2.78	7.01	2.97	8.14	3.16	9.11	3.32	10.37	3.53	11.25	3.68	12.39	3.88
	22	5.96	2.82	7.00	3.01	8.13	3.21	9.10	3.37	10.35	3.58	11.22	3.73	12.36	3.94
	24	5.93	2.91	6.98	3.10	8.11	3.30	9.07	3.47	10.30	3.69	11.17	3.84	12.31	4.05
3.5+6.0	16	6.05	2.42	7.10	2.60	8.23	2.79	9.24	2.92	10.52	3.10	11.43	3.23	12.59	3.40
	18	6.03	2.50	7.07	2.68	8.21	2.86	9.20	3.00	10.48	3.18	11.37	3.32	12.53	3.49
	20	6.00	2.58	7.05	2.75	8.18	2.93	9.17	3.08	10.43	3.27	11.32	3.41	12.47	3.59
	21	5.99	2.61	7.04	2.79	8.17	2.97	9.15	3.12	10.41	3.32	11.29	3.46	12.44	3.65
	22	5.98	2.65	7.03	2.83	8.16	3.01	9.13	3.16	10.39	3.36	11.27	3.51	12.41	3.70
	24	5.96	2.73	7.00	2.91	8.14	3.10	9.10	3.26	10.34	3.46	11.22	3.61	12.36	3.81
3.5+7.1	16	6.08	2.34	7.13	2.51	8.27	2.69	9.28	2.82	10.57	3.00	11.48	3.12	12.65	3.28
	18	6.06	2.41	7.11	2.59	8.25	2.76	9.25	2.90	10.53	3.07	11.42	3.20	12.59	3.38
	20	6.03	2.49	7.08	2.66	8.22	2.83	9.21	2.97	10.48	3.16	11.37	3.29	12.53	3.47
	21	6.02	2.53	7.07	2.70	8.21	2.87	9.19	3.02	10.46	3.20	11.35	3.34	12.50	3.52
	22	6.01	2.56	7.06	2.74	8.20	2.91	9.18	3.06	10.44	3.25	11.32	3.39	12.47	3.57
	24	5.99	2.64	7.04	2.81	8.18	2.99	9.15	3.15	10.39	3.35	11.27	3.49	12.41	3.68
5.0+5.0	16	6.07	2.45	7.12	2.63	8.26	2.82	9.27	2.96	10.56	3.14	11.47	3.27	12.64	3.44
	18	6.05	2.53	7.10	2.71	8.24	2.89	9.24	3.03	10.52	3.22	11.41	3.36	12.58	3.54
	20	6.03	2.61	7.08	2.79	8.21	2.97	9.20	3.12	10.47	3.31	11.36	3.45	12.52	3.64
	21	6.02	2.65	7.07	2.83	8.20	3.01	9.18	3.16	10.45	3.36	11.33	3.50	12.49	3.69
	22	6.00	2.69	7.05	2.87	8.19	3.05	9.17	3.20	10.43	3.40	11.31	3.55	12.46	3.74
	24	5.98	2.76	7.03	2.95	8.17	3.14	9.14	3.30	10.38	3.51	11.26	3.66	12.40	3.86
5.0+6.0	16	6.08	2.35	7.14	2.52	8.28	2.70	9.29	2.83	10.58	3.00	11.49	3.13	12.67	3.30
	18	6.06	2.42	7.11	2.59	8.25	2.77	9.25	2.91	10.54	3.08	11.44	3.21	12.60	3.39
	20	6.04	2.50	7.09	2.67	8.23	2.84	9.22	2.98	10.49	3.17	11.38	3.30	12.54	3.48
	21	6.03	2.53	7.08	2.71	8.22	2.88	9.20	3.03	10.47	3.21	11.36	3.35	12.51	3.53
	22	6.01	2.57	7.07	2.75	8.21	2.92	9.19	3.07	10.45	3.26	11.33	3.40	12.48	3.59
	24	5.99	2.65	7.05	2.82	8.19	3.00	9.15	3.16	10.40	3.36	11.28	3.50	12.43	3.69
5.0+7.1	16	6.11	2.31	7.17	2.48	8.32	2.66	9.34	2.79	10.64	2.96	11.55	3.08	12.73	3.24
	18	6.09	2.38	7.15	2.55	8.29	2.73	9.30	2.86	10.59	3.04	11.49	3.16	12.66	3.33
	20	6.07	2.46	7.13	2.63	8.27	2.80	9.26	2.94	10.54	3.12	11.44	3.25	12.60	3.43
	21	6.06	2.49	7.11	2.66	8.26	2.83	9.25	2.98	10.52	3.16	11.41	3.30	12.57	3.48
	22	6.04	2.53	7.10	2.70	8.25	2.87	9.23	3.02	10.50	3.21	11.39	3.35	12.54	3.53
	24	6.02	2.61	7.08	2.78	8.23	2.96	9.20	3.11	10.45	3.30	11.34	3.45	12.49	3.63
6.0+6.0	16	6.10	2.30	7.16	2.47	8.30	2.65	9.32	2.78	10.62	2.95	11.52	3.07	12.70	3.23
	18	6.08	2.38	7.13	2.55	8.28	2.72	9.28	2.85	10.57	3.03	11.47	3.15	12.64	3.32
	20	6.06	2.45	7.11	2.62	8.25	2.79	9.25	2.93	10.52	3.11	11.42	3.24	12.58	3.42
	21	6.04	2.49	7.10	2.66	8.24	2.83	9.23	2.97	10.50	3.15	11.39	3.29	12.55	3.47
	22	6.03	2.52	7.09	2.69	8.23	2.86	9.21	3.01	10.48	3.20	11.36	3.34	12.52	3.52
	24	6.01	2.60	7.07	2.77	8.21	2.95	9.18	3.10	10.43	3.29	11.31	3.43	12.46	3.62

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
6.0+7.1	16	6.14	2.30	7.20	2.47	8.35	2.65	9.37	2.78	10.68	2.95	11.59	3.07	12.78	3.23
	18	6.11	2.38	7.18	2.55	8.33	2.72	9.33	2.85	10.63	3.03	11.53	3.15	12.71	3.32
	20	6.09	2.45	7.15	2.62	8.30	2.79	9.30	2.93	10.58	3.11	11.48	3.24	12.65	3.42
	21	6.08	2.49	7.14	2.66	8.29	2.83	9.28	2.97	10.56	3.15	11.45	3.29	12.62	3.47
	22	6.07	2.52	7.13	2.69	8.28	2.86	9.26	3.01	10.53	3.20	11.43	3.34	12.59	3.52
	24	6.04	2.60	7.11	2.77	8.26	2.95	9.23	3.10	10.49	3.29	11.38	3.43	12.53	3.62
2.5+2.5+2.5	16	6.03	2.54	7.08	2.73	8.21	2.92	9.21	3.07	10.49	3.25	11.39	3.39	12.56	3.57
	18	6.01	2.62	7.05	2.81	8.18	3.00	9.17	3.14	10.45	3.34	11.34	3.48	12.50	3.66
	20	5.99	2.70	7.03	2.89	8.16	3.07	9.14	3.23	10.40	3.43	11.28	3.58	12.44	3.77
	21	5.97	2.74	7.02	2.93	8.15	3.12	9.12	3.27	10.38	3.48	11.26	3.63	12.41	3.82
	22	5.96	2.78	7.01	2.97	8.14	3.16	9.11	3.32	10.36	3.53	11.23	3.68	12.38	3.88
	24	5.94	2.86	6.98	3.05	8.12	3.25	9.08	3.42	10.31	3.63	11.18	3.79	12.06	3.79
2.5+2.5+3.5	16	6.07	2.57	7.12	2.76	8.26	2.96	9.27	3.10	10.56	3.29	11.47	3.42	12.64	3.61
	18	6.05	2.65	7.10	2.84	8.24	3.03	9.24	3.18	10.52	3.38	11.41	3.52	12.58	3.71
	20	6.03	2.73	7.08	2.92	8.21	3.11	9.20	3.27	10.47	3.47	11.36	3.62	12.52	3.81
	21	6.02	2.77	7.07	2.96	8.20	3.15	9.18	3.31	10.45	3.52	11.33	3.67	12.49	3.87
	22	6.00	2.82	7.05	3.01	8.19	3.20	9.17	3.36	10.43	3.57	11.31	3.72	12.46	3.92
	24	5.98	2.90	7.03	3.09	8.17	3.29	9.14	3.46	10.38	3.67	11.26	3.83	12.06	3.77
2.5+2.5+5.0	16	6.12	2.47	7.19	2.65	8.34	2.85	9.35	2.98	10.66	3.17	11.57	3.30	12.75	3.47
	18	6.10	2.55	7.16	2.73	8.31	2.92	9.32	3.06	10.61	3.25	11.51	3.39	12.69	3.57
	20	6.08	2.63	7.14	2.81	8.29	2.99	9.28	3.14	10.56	3.34	11.46	3.48	12.63	3.67
	21	6.07	2.67	7.13	2.85	8.27	3.03	9.26	3.19	10.54	3.39	11.43	3.53	12.60	3.72
	22	6.06	2.71	7.12	2.89	8.26	3.08	9.25	3.23	10.51	3.44	11.41	3.58	12.57	3.78
	24	6.03	2.79	7.09	2.97	8.24	3.16	9.22	3.33	10.47	3.54	11.36	3.69	12.51	3.89
2.5+2.5+6.0	16	6.17	2.32	7.23	2.50	8.39	2.68	9.41	2.81	10.73	2.98	11.64	3.10	12.84	3.26
	18	6.14	2.40	7.21	2.57	8.36	2.74	9.38	2.88	10.68	3.06	11.59	3.18	12.77	3.35
	20	6.12	2.47	7.19	2.64	8.34	2.81	9.34	2.96	10.63	3.14	11.53	3.27	12.71	3.45
	21	6.11	2.51	7.17	2.68	8.33	2.85	9.32	3.00	10.61	3.18	11.51	3.32	12.68	3.50
	22	6.10	2.55	7.16	2.72	8.32	2.89	9.31	3.04	10.58	3.23	11.48	3.37	12.65	3.55
	24	6.07	2.62	7.14	2.79	8.30	2.98	9.28	3.13	10.54	3.33	11.43	3.47	12.59	3.66
2.5+2.5+7.1	16	6.21	2.32	7.28	2.49	8.45	2.67	9.48	2.80	10.80	2.97	11.72	3.09	12.92	3.25
	18	6.18	2.39	7.26	2.56	8.42	2.73	9.44	2.87	10.75	3.05	11.66	3.17	12.86	3.34
	20	6.16	2.47	7.23	2.64	8.39	2.81	9.40	2.95	10.70	3.13	11.61	3.26	12.79	3.44
	21	6.15	2.50	7.22	2.67	8.38	2.84	9.39	2.99	10.68	3.17	11.58	3.31	12.76	3.49
	22	6.14	2.54	7.21	2.71	8.37	2.88	9.37	3.03	10.65	3.22	11.56	3.36	12.73	3.54
	24	6.11	2.61	7.19	2.79	8.35	2.97	9.34	3.12	10.61	3.31	11.51	3.46	12.67	3.65
2.5+3.5+3.5	16	6.11	2.46	7.16	2.64	8.31	2.83	9.33	2.97	10.63	3.15	11.53	3.28	12.72	3.45
	18	6.08	2.54	7.14	2.72	8.29	2.90	9.29	3.04	10.58	3.23	11.48	3.37	12.65	3.55
	20	6.06	2.61	7.12	2.80	8.26	2.98	9.25	3.12	10.53	3.32	11.43	3.46	12.59	3.65
	21	6.05	2.65	7.11	2.84	8.25	3.02	9.24	3.17	10.51	3.37	11.40	3.51	12.56	3.70
	22	6.04	2.69	7.10	2.88	8.24	3.06	9.22	3.21	10.49	3.42	11.37	3.56	12.53	3.76
	24	6.07	2.77	7.14	2.95	8.30	3.15	9.28	3.31	10.54	3.52	11.43	3.67	12.06	3.49
2.5+3.5+5.0	16	6.17	2.34	7.23	2.51	8.39	2.69	9.41	2.82	10.73	3.00	11.64	3.12	12.84	3.28
	18	6.14	2.41	7.21	2.59	8.36	2.76	9.38	2.90	10.68	3.07	11.59	3.20	12.77	3.38
	20	6.12	2.49	7.19	2.66	8.34	2.83	9.34	2.97	10.63	3.16	11.53	3.29	12.71	3.47
	21	6.11	2.53	7.17	2.70	8.33	2.87	9.32	3.02	10.61	3.20	11.51	3.34	12.68	3.52
	22	6.13	2.56	7.20	2.74	8.36	2.91	9.36	3.06	10.64	3.25	11.55	3.39	12.72	3.57
	24	6.07	2.64	7.14	2.81	8.30	2.99	9.28	3.15	10.54	3.35	11.43	3.49	12.59	3.68
2.5+3.5+6.0	16	6.20	2.29	7.27	2.46	8.44	2.64	9.47	2.77	10.79	2.94	11.71	3.06	12.91	3.22
	18	6.18	2.37	7.25	2.54	8.41	2.71	9.43	2.84	10.74	3.02	11.65	3.14	12.84	3.31
	20	6.15	2.44	7.23	2.61	8.39	2.78	9.39	2.92	10.69	3.10	11.60	3.23	12.78	3.41
	21	6.14	2.48	7.21	2.65	8.38	2.82	9.38	2.96	10.67	3.14	11.57	3.28	12.75	3.46
	22	6.13	2.52	7.20	2.68	8.36	2.86	9.36	3.00	10.64	3.19	11.55	3.32	12.72	3.51
	24	6.11	2.59	7.18	2.76	8.34	2.94	9.33	3.09	10.60	3.28	11.50	3.42	12.66	3.61
2.5+3.5+7.1	16	6.24	2.21	7.32	2.38	8.49	2.55	9.53	2.67	10.86	2.83	11.79	2.95	12.99	3.11
	18	6.22	2.28	7.30	2.45	8.47	2.61	9.49	2.74	10.81	2.91	11.73	3.03	12.93	3.19
	20	6.19	2.35	7.27	2.52	8.44	2.68	9.46	2.81	10.76	2.99	11.68	3.12	12.87	3.29
	21	6.18	2.39	7.26	2.55	8.43	2.72	9.44	2.85	10.74	3.03	11.65	3.16	12.84	3.33
	22	6.17	2.43	7.25	2.59	8.42	2.75	9.42	2.89	10.71	3.08	11.62	3.21	12.81	3.38
	24	6.15	2.50	7.23	2.66	8.40	2.83	9.39	2.98	10.67	3.17	11.57	3.30	12.75	3.48
2.5+5.0+5.0	16	6.22	2.33	7.30	2.50	8.47	2.68	9.50	2.81	10.83	2.99	11.75	3.11	12.96	3.27
	18	6.20	2.41	7.28	2.58	8.44	2.75	9.47	2.89	10.78	3.07	11.70	3.19	12.89	3.37
	20	6.18	2.48	7.25	2.65	8.42	2.82	9.43	2.96	10.73	3.15	11.64	3.28	12.83	3.46
	21	6.16	2.52	7.24	2.69	8.41	2.86	9.41	3.01	10.71	3.19	11.62	3.33	12.80	3.51
	22	6.15	2.56	7.23	2.73	8.40	2.90	9.40	3.05	10.68	3.24	11.59	3.38	12.77	3.56
	24	6.13	2.63	7.21	2.80	8.37	2.98	9.36	3.14	10.64	3.34	11.54	3.48	12.71	3.67

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+5.0+6.0	16	6.26	2.25	7.34	2.42	8.52	2.59	9.56	2.72	10.89	2.88	11.82	3.00	13.03	3.16
	18	6.23	2.32	7.32	2.49	8.49	2.66	9.52	2.79	10.84	2.96	11.76	3.08	12.96	3.25
	20	6.21	2.39	7.29	2.56	8.47	2.73	9.48	2.86	10.79	3.04	11.71	3.17	12.90	3.34
	21	6.20	2.43	7.28	2.60	8.45	2.76	9.47	2.90	10.77	3.08	11.68	3.21	12.87	3.39
	22	6.19	2.47	7.27	2.63	8.44	2.80	9.45	2.94	10.74	3.13	11.66	3.26	12.84	3.44
	24	6.16	2.54	7.25	2.70	8.42	2.88	9.42	3.03	10.70	3.22	11.60	3.36	12.78	3.54
3.5+3.5+3.5	16	6.15	2.34	7.21	2.51	8.37	2.69	9.39	2.82	10.70	3.00	11.61	3.12	12.80	3.28
	18	6.12	2.41	7.19	2.59	8.34	2.76	9.35	2.90	10.65	3.07	11.56	3.20	12.74	3.38
	20	6.10	2.49	7.17	2.66	8.32	2.83	9.32	2.97	10.60	3.16	11.50	3.29	12.67	3.47
	21	6.09	2.53	7.15	2.70	8.30	2.87	9.30	3.02	10.58	3.20	11.48	3.34	12.64	3.52
	22	6.08	2.56	7.14	2.74	8.29	2.91	9.28	3.06	10.55	3.25	11.45	3.39	12.61	3.57
	24	6.05	2.64	7.12	2.81	8.27	2.99	9.25	3.15	10.51	3.35	11.40	3.49	12.06	3.34
3.5+3.5+5.0	16	6.20	2.30	7.27	2.47	8.44	2.65	9.47	2.78	10.79	2.95	11.71	3.07	12.91	3.23
	18	6.18	2.38	7.25	2.55	8.41	2.72	9.43	2.85	10.74	3.03	11.65	3.15	12.84	3.32
	20	6.15	2.45	7.23	2.62	8.39	2.79	9.39	2.93	10.69	3.11	11.60	3.24	12.78	3.42
	21	6.14	2.49	7.21	2.66	8.38	2.83	9.38	2.97	10.67	3.15	11.57	3.29	12.75	3.47
	22	6.13	2.52	7.20	2.69	8.36	2.86	9.36	3.01	10.64	3.20	11.55	3.34	12.72	3.52
	24	6.11	2.60	7.18	2.77	8.34	2.95	9.33	3.10	10.60	3.29	11.50	3.43	12.66	3.62
3.5+3.5+6.0	16	6.24	2.23	7.32	2.39	8.49	2.57	9.53	2.69	10.86	2.85	11.79	2.97	12.99	3.13
	18	6.22	2.30	7.30	2.46	8.47	2.63	9.49	2.76	10.81	2.93	11.73	3.05	12.93	3.22
	20	6.19	2.37	7.27	2.54	8.44	2.70	9.46	2.83	10.76	3.01	11.68	3.14	12.87	3.31
	21	6.18	2.41	7.26	2.57	8.43	2.73	9.44	2.87	10.74	3.05	11.65	3.18	12.84	3.36
	22	6.17	2.44	7.25	2.61	8.42	2.77	9.42	2.91	10.71	3.10	11.62	3.23	12.81	3.40
	24	6.15	2.51	7.23	2.68	8.40	2.85	9.39	3.00	10.67	3.19	11.57	3.32	12.75	3.51
3.5+5.0+5.0	16	6.26	2.23	7.34	2.39	8.52	2.57	9.56	2.69	10.89	2.85	11.82	2.97	13.03	3.13
	18	6.23	2.30	7.32	2.46	8.49	2.63	9.52	2.76	10.84	2.93	11.76	3.05	12.96	3.22
	20	6.21	2.37	7.29	2.54	8.47	2.70	9.48	2.83	10.79	3.01	11.71	3.14	12.90	3.31
	21	6.20	2.41	7.28	2.57	8.45	2.73	9.47	2.87	10.77	3.05	11.68	3.18	12.87	3.36
	22	6.19	2.44	7.27	2.61	8.44	2.77	9.45	2.91	10.74	3.10	11.66	3.23	12.84	3.40
	24	6.16	2.51	7.25	2.68	8.42	2.85	9.42	3.00	10.70	3.19	11.60	3.32	12.78	3.51
2.5+2.5+3.5+2.5	16	6.13	2.32	7.19	2.49	8.34	2.67	9.36	2.80	10.67	2.97	11.58	3.09	12.76	3.25
	18	6.11	2.39	7.17	2.56	8.32	2.73	9.32	2.87	10.62	3.05	11.52	3.17	12.70	3.34
	20	6.08	2.47	7.15	2.64	8.29	2.81	9.29	2.95	10.57	3.13	11.47	3.26	12.64	3.44
	21	6.07	2.50	7.13	2.67	8.28	2.84	9.27	2.99	10.55	3.17	11.44	3.31	12.61	3.49
	22	6.06	2.54	7.12	2.71	8.27	2.88	9.26	3.03	10.52	3.22	11.42	3.36	12.58	3.54
	24	6.04	2.61	7.10	2.79	8.25	2.97	9.22	3.12	10.48	3.31	11.37	3.46	12.52	3.65
2.5+2.5+2.5+3.5	16	6.17	2.23	7.23	2.40	8.39	2.57	9.41	2.70	10.73	2.86	11.64	2.98	12.84	3.14
	18	6.14	2.31	7.21	2.47	8.36	2.64	9.38	2.77	10.68	2.94	11.59	3.06	12.77	3.23
	20	6.12	2.38	7.19	2.54	8.34	2.71	9.34	2.84	10.63	3.02	11.53	3.15	12.71	3.32
	21	6.11	2.41	7.17	2.58	8.33	2.74	9.32	2.88	10.61	3.06	11.51	3.19	12.68	3.37
	22	6.10	2.45	7.16	2.62	8.32	2.78	9.31	2.92	10.58	3.11	11.48	3.24	12.65	3.42
	24	6.07	2.52	7.14	2.69	8.30	2.86	9.28	3.01	10.54	3.20	11.43	3.34	12.59	3.52
2.5+2.5+2.5+5.0	16	6.22	2.26	7.30	2.43	8.47	2.61	9.50	2.73	10.83	2.90	11.75	3.02	12.96	3.18
	18	6.20	2.34	7.28	2.50	8.44	2.67	9.47	2.80	10.78	2.98	11.70	3.10	12.89	3.27
	20	6.18	2.41	7.25	2.58	8.42	2.74	9.43	2.88	10.73	3.06	11.64	3.19	12.83	3.36
	21	6.16	2.45	7.24	2.61	8.41	2.78	9.41	2.92	10.71	3.10	11.62	3.24	12.80	3.41
	22	6.15	2.48	7.23	2.65	8.40	2.82	9.40	2.96	10.68	3.15	11.59	3.28	12.77	3.46
	24	6.13	2.56	7.21	2.72	8.37	2.90	9.36	3.05	10.64	3.24	11.54	3.38	12.71	3.56
2.5+2.5+2.5+6.0	16	6.26	2.23	7.34	2.39	8.52	2.57	9.56	2.69	10.89	2.85	11.82	2.97	13.03	3.13
	18	6.23	2.30	7.32	2.46	8.49	2.63	9.52	2.76	10.84	2.93	11.76	3.05	12.96	3.22
	20	6.21	2.37	7.29	2.54	8.47	2.70	9.48	2.83	10.79	3.01	11.71	3.14	12.90	3.31
	21	6.20	2.41	7.28	2.57	8.45	2.73	9.47	2.87	10.77	3.05	11.68	3.18	12.87	3.36
	22	6.19	2.44	7.27	2.61	8.44	2.77	9.45	2.91	10.74	3.10	11.66	3.23	12.84	3.40
	24	6.16	2.51	7.25	2.68	8.42	2.85	9.42	3.00	10.70	3.19	11.60	3.32	12.78	3.51
2.5+2.5+3.5+3.5	16	6.21	2.22	7.28	2.38	8.45	2.56	9.48	2.68	10.80	2.84	11.72	2.96	12.92	3.12
	18	6.18	2.29	7.26	2.46	8.42	2.62	9.44	2.75	10.75	2.92	11.66	3.04	12.86	3.21
	20	6.16	2.36	7.23	2.53	8.39	2.69	9.40	2.82	10.70	3.00	11.61	3.13	12.79	3.30
	21	6.15	2.40	7.22	2.56	8.38	2.73	9.39	2.86	10.68	3.04	11.58	3.17	12.76	3.34
	22	6.14	2.43	7.21	2.60	8.37	2.76	9.37	2.90	10.65	3.09	11.56	3.22	12.73	3.39
	24	6.11	2.51	7.19	2.67	8.35	2.84	9.34	2.99	10.61	3.18	11.51	3.31	12.67	3.49
2.5+2.5+3.5+5.0	16	6.26	2.21	7.35	2.37	8.53	2.54	9.57	2.66	10.90	2.82	11.83	2.94	13.04	3.10
	18	6.24	2.28	7.32	2.44	8.50	2.60	9.53	2.73	10.85	2.90	11.77	3.02	12.98	3.18
	20	6.22	2.35	7.30	2.51	8.47	2.67	9.49	2.80	10.80	2.98	11.72	3.11	12.91	3.27
	21	6.20	2.38	7.29	2.55	8.46	2.71	9.47	2.84	10.78	3.02	11.69	3.15	12.88	3.32
	22	6.19	2.42	7.28	2.58	8.45	2.74	9.46	2.88	10.75	3.07	11.67	3.20	12.85	3.37
	24	6.17	2.49	7.25	2.65	8.43	2.82	9.42	2.97	10.71	3.16	11.61	3.29	12.79	3.47

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+3.5+3.5	16	6.24	2.21	7.32	2.38	8.49	2.55	9.53	2.67	10.86	2.83	11.79	2.95	12.99	3.11
	18	6.22	2.28	7.30	2.45	8.47	2.61	9.49	2.74	10.81	2.91	11.73	3.03	12.93	3.19
	20	6.19	2.35	7.27	2.52	8.44	2.68	9.46	2.81	10.76	2.99	11.68	3.12	12.87	3.29
	21	6.18	2.39	7.26	2.55	8.43	2.72	9.44	2.85	10.74	3.03	11.65	3.16	12.84	3.33
	22	6.17	2.43	7.25	2.59	8.42	2.75	9.42	2.89	10.71	3.08	11.62	3.21	12.81	3.38
	24	6.15	2.50	7.23	2.66	8.40	2.83	9.39	2.98	10.67	3.17	11.57	3.30	12.75	3.48

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m

3D042744#5
3D042744#6
3D042744#7

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[Cooling Capacity 50Hz 240V]

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	22	2.75	0.60	3.27	0.77	3.56	0.81	3.66	0.82	3.95	0.83	4.14	0.84
	25	2.75	0.73	3.24	0.86	3.44	0.87	3.54	0.88	3.83	0.90	4.02	0.91
	32	2.75	0.87	3.08	0.96	3.27	0.98	3.37	0.99	3.66	1.01	3.86	1.03
	35	2.75	0.95	3.01	1.00	3.20	1.03	3.30	1.04	3.59	1.07	3.79	1.09
	40	2.69	1.05	2.89	1.09	3.08	1.12	3.18	1.13	3.47	1.17	3.67	1.19
	43	2.62	1.11	2.82	1.14	3.01	1.17	3.11	1.19	3.40	1.23	3.60	1.26
	46	2.55	1.16	2.75	1.20	2.94	1.24	3.04	1.26	3.33	1.31	3.53	1.34
3.5	22	3.14	0.74	3.73	0.95	4.43	1.15	4.55	1.16	4.92	1.18	5.16	1.19
	25	3.14	0.91	3.73	1.08	4.28	1.24	4.40	1.25	4.77	1.28	5.01	1.29
	32	3.14	1.09	3.73	1.30	4.08	1.39	4.20	1.40	4.56	1.44	4.81	1.47
	35	3.14	1.17	3.73	1.42	3.99	1.46	4.11	1.48	4.47	1.52	4.72	1.55
	40	3.14	1.34	3.60	1.55	3.84	1.59	3.96	1.61	4.33	1.66	4.57	1.69
	43	3.14	1.48	3.51	1.62	3.75	1.67	3.87	1.69	4.24	1.75	4.48	1.79
	46	3.14	1.61	3.42	1.71	3.66	1.77	3.79	1.80	4.15	1.87	4.39	1.91
5.0	22	5.64	1.51	5.98	1.68	6.33	1.71	6.50	1.72	7.02	1.75	7.37	1.76
	25	5.42	1.78	5.77	1.81	6.12	1.84	6.29	1.85	6.81	1.89	7.16	1.91
	32	5.13	1.96	5.48	2.02	5.82	2.06	6.00	2.08	6.52	2.13	6.86	2.17
	35	5.00	2.06	5.35	2.11	5.70	2.16	5.87	2.19	6.39	2.25	6.74	2.29
	40	4.79	2.22	5.14	2.29	5.49	2.35	5.66	2.38	6.18	2.46	6.53	2.51
	43	4.67	2.33	5.01	2.40	5.36	2.47	5.53	2.50	6.05	2.59	6.40	2.65
	46	4.54	2.44	4.89	2.53	5.23	2.61	5.41	2.66	5.93	2.76	6.27	2.82
6.0	22	6.17	1.79	6.55	1.99	6.93	2.03	7.12	2.04	7.69	2.08	8.07	2.10
	25	5.94	2.11	6.32	2.15	6.70	2.18	6.89	2.20	7.46	2.24	7.84	2.27
	32	5.62	2.33	6.00	2.39	6.38	2.44	6.57	2.47	7.14	2.53	7.52	2.58
	35	5.48	2.44	5.86	2.50	6.24	2.57	6.43	2.60	7.00	2.67	7.38	2.72
	40	5.25	2.63	5.63	2.72	6.01	2.79	6.20	2.83	6.77	2.92	7.15	2.98
	43	5.11	2.77	5.49	2.84	5.87	2.93	6.06	2.97	6.63	3.08	7.01	3.14
	46	4.97	2.90	5.35	3.01	5.73	3.10	5.92	3.15	6.49	3.23	6.86	3.23
7.1	22	6.72	2.10	7.28	2.42	7.70	2.46	7.91	2.48	8.54	2.52	8.96	2.55
	25	6.60	2.56	7.02	2.61	7.44	2.65	7.65	2.67	8.28	2.72	8.71	2.76
	32	6.24	2.84	6.66	2.91	7.08	2.97	7.29	3.00	7.93	3.08	8.35	3.13
	35	6.09	2.97	6.51	3.04	6.93	3.12	7.14	3.16	7.77	3.25	8.19	3.30
	40	5.83	3.20	6.25	3.30	6.67	3.39	6.88	3.44	7.52	3.55	7.94	3.62
	43	5.68	3.37	6.10	3.46	6.52	3.54	6.73	3.54	7.34	3.54	7.74	3.54
	46	5.48	3.23	5.86	3.23	6.24	3.23	6.42	3.23	6.95	3.23	7.30	3.23
2.5+2.5	22	5.51	1.39	6.28	1.73	6.64	1.76	6.82	1.77	7.37	1.81	7.73	1.82
	25	5.51	1.73	6.06	1.87	6.42	1.90	6.60	1.91	7.15	1.95	7.51	1.97
	32	5.38	2.03	5.75	2.08	6.11	2.12	6.29	2.14	6.84	2.20	7.20	2.24
	35	5.25	2.12	5.61	2.18	5.98	2.23	6.16	2.26	6.71	2.32	7.07	2.36
	40	5.03	2.29	5.39	2.36	5.76	2.43	5.94	2.46	6.48	2.54	6.85	2.59
	43	4.90	2.41	5.26	2.47	5.62	2.55	5.81	2.58	6.35	2.68	6.72	2.73
	46	4.76	2.52	5.13	2.61	5.49	2.70	5.67	2.74	6.22	2.85	6.58	2.91
2.5+3.5	22	5.90	1.64	6.72	2.06	7.10	2.10	7.30	2.11	7.88	2.15	8.27	2.17
	25	5.90	2.05	6.48	2.22	6.87	2.26	7.06	2.27	7.65	2.32	8.04	2.35
	32	5.76	2.41	6.15	2.48	6.54	2.53	6.73	2.55	7.32	2.62	7.70	2.67
	35	5.62	2.52	6.01	2.59	6.40	2.66	6.59	2.69	7.17	2.76	7.56	2.81
	40	5.38	2.72	5.77	2.81	6.16	2.89	6.35	2.92	6.94	3.02	7.33	3.08
	43	5.24	2.86	5.63	2.94	6.02	3.03	6.21	3.07	6.80	3.19	7.18	3.25
	46	5.10	3.00	5.49	3.11	5.88	3.21	6.07	3.23	6.64	3.23	7.01	3.23
2.5+5.0	22	7.00	1.88	7.43	2.09	7.86	2.13	8.07	2.14	8.72	2.18	9.15	2.20
	25	6.74	2.21	7.17	2.26	7.60	2.29	7.81	2.31	8.46	2.35	8.89	2.38
	32	6.37	2.45	6.80	2.51	7.23	2.56	7.45	2.59	8.09	2.66	8.52	2.71
	35	6.21	2.56	6.64	2.63	7.07	2.70	7.29	2.73	7.94	2.80	8.37	2.85
	40	5.95	2.76	6.38	2.85	6.81	2.93	7.03	2.97	7.67	3.07	8.10	3.13
	43	5.80	2.91	6.23	2.99	6.66	3.08	6.87	3.12	7.52	3.23	7.95	3.30
	46	5.64	3.04	6.07	3.16	6.50	3.23	6.70	3.23	7.32	3.23	7.71	3.23
2.5+6.0	22	7.51	2.16	7.97	2.41	8.43	2.45	8.66	2.46	9.35	2.51	9.82	2.53
	25	7.23	2.55	7.69	2.60	8.15	2.64	8.38	2.65	9.07	2.71	9.54	2.74
	32	6.83	2.82	7.30	2.89	7.76	2.95	7.99	2.98	8.68	3.06	9.14	3.11
	35	6.67	2.95	7.13	3.02	7.59	3.10	7.82	3.14	8.51	3.23	8.97	3.28
	40	6.39	3.18	6.85	3.28	7.31	3.37	7.54	3.41	8.23	3.53	8.69	3.60
	43	6.22	3.34	6.68	3.44	7.14	3.54	7.37	3.54	8.04	3.54	8.49	3.54
	46	6.01	3.23	6.43	3.23	6.84	3.23	7.03	3.23	7.63	3.23	8.02	3.23

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+7.1	22	7.72	2.39	8.19	2.66	8.67	2.70	8.91	2.72	9.62	2.77	10.09	2.80
	25	7.43	2.81	7.90	2.87	8.38	2.91	8.62	2.93	9.33	2.99	9.80	3.03
	32	7.03	3.11	7.50	3.19	7.98	3.26	8.21	3.29	8.93	3.38	9.40	3.44
	35	6.85	3.26	7.33	3.34	7.80	3.43	8.04	3.47	8.75	3.57	9.23	3.62
	40	6.56	3.51	7.04	3.62	7.51	3.73	7.75	3.77	8.46	3.90	8.94	3.97
	43	6.38	3.54	6.84	3.54	7.27	3.54	7.49	3.54	8.13	3.54	8.56	3.54
	46	6.05	3.23	6.44	3.23	6.82	3.23	7.01	3.23	7.56	3.23	7.93	3.23
3.5+3.5	22	6.29	1.78	7.33	2.35	7.75	2.38	7.96	2.40	8.60	2.44	9.03	2.47
	25	6.29	2.22	7.07	2.53	7.49	2.57	7.71	2.59	8.34	2.64	8.77	2.67
	32	6.28	2.75	6.71	2.82	7.13	2.87	7.34	2.90	7.98	2.98	8.41	3.04
	35	6.13	2.87	6.55	2.95	6.98	3.02	7.19	3.06	7.83	3.14	8.25	3.20
	40	5.87	3.10	6.30	3.20	6.72	3.29	6.93	3.33	7.57	3.44	7.99	3.50
	43	5.72	3.26	6.14	3.35	6.57	3.45	6.78	3.50	7.41	3.54	7.83	3.54
	46	5.54	3.23	5.94	3.23	6.33	3.23	6.51	3.23	7.07	3.23	7.43	3.23
3.5+5.0	22	7.51	2.27	7.97	2.53	8.43	2.57	8.66	2.59	9.35	2.64	9.82	2.66
	25	7.23	2.68	7.69	2.73	8.15	2.77	8.38	2.79	9.07	2.85	9.54	2.88
	32	6.83	2.96	7.30	3.04	7.76	3.10	7.99	3.13	8.68	3.21	9.14	3.27
	35	6.67	3.10	7.13	3.18	7.59	3.26	7.82	3.30	8.51	3.39	8.97	3.45
	40	6.39	3.34	6.85	3.45	7.31	3.54	7.54	3.59	8.23	3.71	8.69	3.78
	43	6.22	3.51	6.68	3.54	7.12	3.54	7.34	3.54	7.99	3.54	8.42	3.54
	46	5.96	3.23	6.35	3.23	6.74	3.23	6.93	3.23	7.51	3.23	7.88	3.23
3.5+6.0	22	7.70	2.28	8.17	2.54	8.65	2.58	8.88	2.60	9.59	2.64	10.07	2.67
	25	7.41	2.68	7.89	2.74	8.36	2.78	8.60	2.80	9.31	2.85	9.78	2.89
	32	7.01	2.97	7.48	3.05	7.96	3.11	8.19	3.14	8.90	3.22	9.38	3.28
	35	6.84	3.11	7.31	3.19	7.78	3.27	8.02	3.31	8.73	3.40	9.20	3.46
	40	6.55	3.35	7.02	3.46	7.50	3.56	7.73	3.60	8.44	3.72	8.92	3.79
	43	6.38	3.52	6.85	3.54	7.30	3.54	7.53	3.54	8.19	3.54	8.62	3.54
	46	6.10	3.23	6.52	3.23	6.91	3.23	7.11	3.23	7.68	3.23	8.07	3.23
3.5+7.1	22	7.99	2.48	8.48	2.76	8.97	2.81	9.22	2.82	9.95	2.88	10.44	2.90
	25	7.69	2.92	8.18	2.98	8.67	3.02	8.92	3.04	9.65	3.10	10.14	3.14
	32	7.27	3.23	7.76	3.31	8.25	3.38	8.50	3.42	9.24	3.50	9.73	3.57
	35	7.09	3.38	7.58	3.47	8.07	3.56	8.32	3.60	9.06	3.70	9.55	3.76
	40	6.79	3.64	7.28	3.76	7.78	3.87	8.02	3.91	8.76	4.05	9.25	4.12
	43	6.57	3.54	7.04	3.54	7.48	3.54	7.69	3.54	8.33	3.54	8.76	3.54
	46	6.20	3.23	6.58	3.23	6.97	3.23	7.14	3.23	7.70	3.23	8.07	3.23
5.0+5.0	22	7.98	2.23	8.47	2.48	8.96	2.52	9.20	2.54	9.94	2.59	10.43	2.61
	25	7.68	2.63	8.17	2.68	8.66	2.72	8.91	2.74	9.64	2.79	10.13	2.83
	32	7.26	2.91	7.75	2.98	8.24	3.04	8.49	3.07	9.22	3.15	9.72	3.21
	35	7.08	3.04	7.57	3.12	8.06	3.20	8.31	3.24	9.05	3.33	9.54	3.38
	40	6.79	3.28	7.28	3.38	7.77	3.48	8.01	3.52	8.75	3.64	9.24	3.71
	43	6.61	3.45	7.10	3.54	7.58	3.54	7.82	3.54	8.52	3.54	8.98	3.54
	46	6.36	3.23	6.79	3.23	7.21	3.23	7.41	3.23	8.02	3.23	8.43	3.23
5.0+6.0	22	8.07	2.22	8.57	2.48	9.07	2.52	9.32	2.53	10.06	2.58	10.56	2.60
	25	7.77	2.62	8.27	2.67	8.77	2.71	9.01	2.73	9.76	2.79	10.25	2.82
	32	7.35	2.90	7.85	2.97	8.34	3.03	8.59	3.06	9.34	3.14	9.83	3.20
	35	7.17	3.03	7.67	3.11	8.16	3.19	8.41	3.23	9.15	3.32	9.65	3.37
	40	6.87	3.27	7.36	3.37	7.86	3.47	8.11	3.51	8.85	3.63	9.35	3.70
	43	6.69	3.44	7.18	3.53	7.67	3.54	7.92	3.54	8.62	3.54	9.09	3.54
	46	6.43	3.23	6.87	3.23	7.31	3.23	7.51	3.23	8.12	3.23	8.54	3.23
5.0+7.1	22	8.10	2.35	8.60	2.62	9.10	2.67	9.35	2.68	10.10	2.73	10.59	2.76
	25	7.80	2.77	8.30	2.83	8.80	2.87	9.05	2.89	9.79	2.95	10.29	2.98
	32	7.38	3.07	7.87	3.15	8.37	3.21	8.62	3.25	9.37	3.33	9.87	3.39
	35	7.19	3.21	7.69	3.29	8.19	3.38	8.44	3.42	9.19	3.51	9.69	3.57
	40	6.89	3.46	7.39	3.57	7.89	3.67	8.14	3.72	8.88	3.85	9.38	3.92
	43	6.70	3.54	7.19	3.54	7.66	3.54	7.89	3.54	8.56	3.54	9.01	3.54
	46	6.38	3.23	6.79	3.23	7.19	3.23	7.39	3.23	7.99	3.23	8.38	3.23
6.0+6.0	22	8.15	2.28	8.65	2.54	9.15	2.58	9.40	2.60	10.16	2.64	10.66	2.67
	25	7.85	2.68	8.35	2.74	8.85	2.78	9.10	2.80	9.85	2.85	10.35	2.89
	32	7.42	2.97	7.92	3.05	8.42	3.11	8.67	3.14	9.42	3.22	9.93	3.28
	35	7.24	3.11	7.74	3.19	8.24	3.27	8.49	3.31	9.24	3.40	9.74	3.46
	40	6.93	3.35	7.43	3.46	7.93	3.56	8.19	3.60	8.94	3.72	9.44	3.79
	43	6.75	3.52	7.25	3.54	7.73	3.54	7.97	3.54	8.67	3.54	9.14	3.54
	46	6.47	3.23	6.90	3.23	7.32	3.23	7.52	3.23	8.13	3.23	8.54	3.23

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
6.0+7.1	22	8.12	2.35	8.62	2.61	9.12	2.66	9.37	2.67	10.12	2.72	10.62	2.75
	25	7.82	2.77	8.32	2.82	8.82	2.86	9.07	2.88	9.82	2.94	10.32	2.97
	32	7.39	3.06	7.89	3.14	8.39	3.20	8.64	3.24	9.39	3.32	9.89	3.38
	35	7.21	3.20	7.71	3.28	8.21	3.37	8.46	3.41	9.21	3.50	9.71	3.56
	40	6.91	3.45	7.41	3.56	7.91	3.66	8.16	3.71	8.91	3.83	9.41	3.90
	43	6.73	3.54	7.21	3.54	7.67	3.54	7.90	3.54	8.59	3.54	9.04	3.54
	46	6.39	3.23	6.81	3.23	7.22	3.23	7.41	3.23	8.01	3.23	8.41	3.23
2.5+2.5+2.5	22	7.23	1.90	7.67	2.12	8.12	2.15	8.34	2.16	9.01	2.20	9.45	2.22
	25	6.96	2.24	7.40	2.28	7.85	2.32	8.07	2.33	8.74	2.38	9.18	2.41
	32	6.58	2.48	7.03	2.54	7.47	2.59	7.69	2.62	8.36	2.69	8.80	2.74
	35	6.42	2.59	6.86	2.66	7.31	2.73	7.53	2.76	8.20	2.84	8.64	2.88
	40	6.15	2.79	6.59	2.88	7.04	2.96	7.26	3.00	7.93	3.10	8.37	3.16
	43	5.99	2.94	6.43	3.02	6.88	3.11	7.10	3.15	7.76	3.27	8.21	3.33
	46	5.82	3.07	6.27	3.19	6.70	3.23	6.92	3.23	7.54	3.23	7.94	3.23
2.5+2.5+3.5	22	7.60	2.11	8.07	2.35	8.54	2.38	8.77	2.40	9.47	2.44	9.94	2.47
	25	7.32	2.48	7.79	2.53	8.25	2.57	8.49	2.59	9.19	2.64	9.66	2.67
	32	6.92	2.75	7.39	2.82	7.86	2.87	8.09	2.90	8.79	2.98	9.26	3.04
	35	6.75	2.87	7.22	2.95	7.69	3.02	7.92	3.06	8.62	3.14	9.09	3.20
	40	6.47	3.10	6.93	3.20	7.40	3.29	7.64	3.33	8.34	3.44	8.80	3.50
	43	6.30	3.26	6.76	3.35	7.23	3.45	7.47	3.50	8.16	3.54	8.60	3.54
	46	6.11	3.23	6.54	3.23	6.97	3.23	7.17	3.23	7.79	3.23	8.19	3.23
2.5+2.5+5.0	22	7.84	2.03	8.33	2.26	8.81	2.30	9.05	2.31	9.77	2.36	10.26	2.38
	25	7.55	2.39	8.03	2.44	8.52	2.48	8.76	2.49	9.48	2.54	9.96	2.57
	32	7.14	2.65	7.62	2.71	8.10	2.77	8.35	2.80	9.07	2.87	9.55	2.93
	35	6.96	2.77	7.45	2.84	7.93	2.92	8.17	2.95	8.89	3.03	9.38	3.08
	40	6.67	2.98	7.15	3.08	7.64	3.17	7.88	3.21	8.60	3.32	9.08	3.38
	43	6.50	3.14	6.98	3.23	7.46	3.32	7.70	3.37	8.42	3.49	8.90	3.54
	46	6.32	3.23	6.78	3.23	7.23	3.23	7.46	3.23	8.11	3.23	8.52	3.23
2.5+2.5+6.0	22	8.27	2.18	8.77	2.43	9.28	2.47	9.54	2.49	10.30	2.53	10.81	2.55
	25	7.96	2.57	8.47	2.62	8.97	2.66	9.23	2.68	9.99	2.73	10.50	2.76
	32	7.52	2.84	8.03	2.92	8.54	2.98	8.80	3.01	9.56	3.09	10.07	3.14
	35	7.34	2.98	7.85	3.05	8.36	3.13	8.61	3.17	9.37	3.26	9.88	3.31
	40	7.03	3.21	7.54	3.31	8.05	3.40	8.30	3.45	9.06	3.56	9.57	3.63
	43	6.85	3.38	7.35	3.47	7.86	3.54	8.11	3.54	8.83	3.54	9.29	3.54
	46	6.61	3.23	7.07	3.23	7.52	3.23	7.73	3.23	8.37	3.23	8.80	3.23
2.5+2.5+7.1	22	8.31	2.30	8.83	2.56	9.34	2.60	9.59	2.62	10.36	2.67	10.87	2.69
	25	8.00	2.71	8.51	2.76	9.03	2.80	9.28	2.82	10.05	2.88	10.56	2.91
	32	7.57	3.00	8.08	3.07	8.59	3.14	8.85	3.17	9.61	3.25	10.12	3.31
	35	7.38	3.13	7.89	3.22	8.40	3.30	8.66	3.34	9.43	3.43	9.94	3.49
	40	7.07	3.38	7.58	3.49	8.09	3.59	8.35	3.63	9.12	3.76	9.63	3.82
	43	6.88	3.54	7.39	3.54	7.88	3.54	8.12	3.54	8.83	3.54	9.30	3.54
	46	6.58	3.23	7.02	3.23	7.45	3.23	7.65	3.23	8.27	3.23	8.68	3.23
2.5+3.5+3.5	22	7.70	2.16	8.17	2.40	8.65	2.44	8.88	2.45	9.59	2.50	10.07	2.52
	25	7.41	2.54	7.89	2.59	8.36	2.63	8.60	2.64	9.31	2.70	9.78	2.73
	32	7.01	2.81	7.48	2.88	7.96	2.94	8.19	2.97	8.90	3.05	9.38	3.10
	35	6.84	2.94	7.31	3.01	7.78	3.09	8.02	3.13	8.73	3.22	9.20	3.27
	40	6.55	3.17	7.02	3.27	7.50	3.36	7.73	3.40	8.44	3.52	8.92	3.58
	43	6.38	3.33	6.85	3.42	7.32	3.53	7.56	3.54	8.25	3.54	8.69	3.54
	46	6.17	3.23	6.60	3.23	7.02	3.23	7.22	3.23	7.83	3.23	8.23	3.23
2.5+3.5+5.0	22	8.27	2.18	8.77	2.43	9.28	2.47	9.54	2.49	10.30	2.53	10.81	2.55
	25	7.96	2.57	8.47	2.62	8.97	2.66	9.23	2.68	9.99	2.73	10.50	2.76
	32	7.52	2.84	8.03	2.92	8.54	2.98	8.80	3.01	9.56	3.09	10.07	3.14
	35	7.34	2.98	7.85	3.05	8.36	3.13	8.61	3.17	9.37	3.26	9.88	3.31
	40	7.03	3.21	7.54	3.31	8.05	3.40	8.30	3.45	9.06	3.56	9.57	3.63
	43	6.85	3.38	7.35	3.47	7.86	3.54	8.11	3.54	8.83	3.54	9.29	3.54
	46	6.61	3.23	7.07	3.23	7.52	3.23	7.73	3.23	8.37	3.23	8.80	3.23
2.5+3.5+6.0	22	8.29	2.18	8.80	2.42	9.31	2.46	9.57	2.48	10.34	2.52	10.85	2.55
	25	7.98	2.56	8.49	2.61	9.00	2.65	9.26	2.67	10.03	2.72	10.54	2.76
	32	7.55	2.84	8.06	2.91	8.57	2.97	8.83	3.00	9.59	3.08	10.10	3.13
	35	7.36	2.97	7.87	3.04	8.38	3.12	8.64	3.16	9.41	3.25	9.92	3.30
	40	7.05	3.20	7.56	3.30	8.07	3.39	8.33	3.44	9.10	3.55	9.61	3.62
	43	6.87	3.37	7.38	3.46	7.89	3.54	8.13	3.54	8.86	3.54	9.32	3.54
	46	6.63	3.23	7.09	3.23	7.54	3.23	7.76	3.23	8.40	3.23	8.84	3.23

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+7.1	22	8.38	2.34	8.90	2.61	9.41	2.65	9.67	2.67	10.44	2.72	10.96	2.74
	25	8.07	2.76	8.58	2.81	9.10	2.85	9.36	2.87	10.13	2.93	10.64	2.97
	32	7.63	3.05	8.14	3.13	8.66	3.19	8.92	3.23	9.69	3.31	10.21	3.37
	35	7.44	3.19	7.96	3.27	8.47	3.36	8.73	3.40	9.50	3.49	10.02	3.55
	40	7.13	3.44	7.64	3.55	8.16	3.65	8.42	3.70	9.19	3.82	9.71	3.89
	43	6.94	3.54	7.44	3.54	7.92	3.54	8.16	3.54	8.87	3.54	9.34	3.54
	46	6.60	3.23	7.04	3.23	7.45	3.23	7.66	3.23	8.27	3.23	8.69	3.23
2.5+5.0+5.0	22	8.32	2.22	8.84	2.47	9.35	2.51	9.60	2.52	10.37	2.57	10.88	2.60
	25	8.01	2.61	8.52	2.66	9.04	2.70	9.29	2.72	10.06	2.78	10.57	2.81
	32	7.58	2.89	8.09	2.96	8.60	3.02	8.86	3.06	9.62	3.13	10.14	3.19
	35	7.39	3.02	7.90	3.10	8.41	3.18	8.67	3.22	9.44	3.31	9.95	3.36
	40	7.08	3.26	7.59	3.36	8.10	3.46	8.36	3.50	9.13	3.62	9.64	3.69
	43	6.89	3.43	7.40	3.52	7.91	3.54	8.16	3.54	8.88	3.54	9.34	3.54
	46	6.64	3.23	7.09	3.23	7.53	3.23	7.75	3.23	8.38	3.23	8.81	3.23
2.5+5.0+6.0	22	8.50	2.22	9.02	2.47	9.54	2.51	9.80	2.52	10.59	2.57	11.11	2.60
	25	8.18	2.61	8.70	2.66	9.22	2.70	9.49	2.72	10.27	2.78	10.79	2.81
	32	7.73	2.89	8.26	2.96	8.78	3.02	9.04	3.06	9.82	3.13	10.35	3.19
	35	7.54	3.02	8.07	3.10	8.59	3.18	8.85	3.22	9.63	3.31	10.16	3.36
	40	7.23	3.26	7.75	3.36	8.27	3.46	8.53	3.50	9.32	3.62	9.84	3.69
	43	7.04	3.43	7.56	3.52	8.07	3.54	8.32	3.54	9.06	3.54	9.52	3.54
	46	6.78	3.23	7.24	3.23	7.69	3.23	7.90	3.23	8.57	3.23	9.00	3.23
3.5+3.5+3.5	22	7.89	2.22	8.38	2.48	8.86	2.52	9.10	2.53	9.83	2.58	10.32	2.60
	25	7.60	2.62	8.08	2.67	8.57	2.71	8.81	2.73	9.54	2.79	10.02	2.82
	32	7.18	2.90	7.67	2.97	8.15	3.03	8.40	3.06	9.12	3.14	9.61	3.20
	35	7.01	3.03	7.49	3.11	7.98	3.19	8.22	3.23	8.95	3.32	9.43	3.37
	40	6.71	3.27	7.20	3.37	7.68	3.47	7.93	3.51	8.65	3.63	9.14	3.70
	43	6.53	3.44	7.02	3.53	7.50	3.54	7.74	3.54	8.43	3.54	8.88	3.54
	46	6.29	3.23	6.71	3.23	7.14	3.23	7.34	3.23	7.94	3.23	8.34	3.23
3.5+3.5+5.0	22	8.29	2.23	8.80	2.48	9.31	2.52	9.57	2.54	10.34	2.59	10.85	2.61
	25	7.98	2.63	8.49	2.68	9.00	2.72	9.26	2.74	10.03	2.79	10.54	2.83
	32	7.55	2.91	8.06	2.98	8.57	3.04	8.83	3.07	9.59	3.15	10.10	3.21
	35	7.36	3.04	7.87	3.12	8.38	3.20	8.64	3.24	9.41	3.33	9.92	3.38
	40	7.05	3.28	7.56	3.38	8.07	3.48	8.33	3.52	9.10	3.64	9.61	3.71
	43	6.87	3.45	7.38	3.54	7.88	3.54	8.12	3.54	8.85	3.54	9.31	3.54
	46	6.61	3.23	7.05	3.23	7.49	3.23	7.71	3.23	8.33	3.23	8.76	3.23
3.5+3.5+6.0	22	8.47	2.23	8.99	2.48	9.51	2.52	9.77	2.54	10.55	2.59	11.07	2.61
	25	8.15	2.63	8.67	2.68	9.19	2.72	9.45	2.74	10.23	2.79	10.75	2.83
	32	7.71	2.91	8.23	2.98	8.75	3.04	9.01	3.07	9.79	3.15	10.31	3.21
	35	7.52	3.04	8.04	3.12	8.56	3.20	8.82	3.24	9.60	3.33	10.12	3.38
	40	7.20	3.28	7.72	3.38	8.24	3.48	8.50	3.52	9.28	3.64	9.81	3.71
	43	7.01	3.45	7.53	3.54	8.04	3.54	8.29	3.54	9.02	3.54	9.49	3.54
	46	6.74	3.23	7.20	3.23	7.65	3.23	7.86	3.23	8.51	3.23	8.95	3.23
3.5+5.0+5.0	22	8.74	2.27	9.27	2.52	9.81	2.56	10.08	2.58	10.89	2.63	11.42	2.65
	25	8.41	2.67	8.95	2.72	9.48	2.76	9.75	2.78	10.56	2.84	11.10	2.87
	32	7.95	2.95	8.49	3.03	9.03	3.09	9.30	3.12	10.10	3.20	10.64	3.26
	35	7.76	3.09	8.29	3.17	8.83	3.25	9.10	3.29	9.91	3.38	10.44	3.44
	40	7.43	3.33	7.97	3.44	8.50	3.53	8.77	3.58	9.58	3.70	10.12	3.77
	43	7.23	3.50	7.77	3.54	8.29	3.54	8.54	3.54	9.28	3.54	9.76	3.54
	46	6.94	3.23	7.41	3.23	7.86	3.23	8.08	3.23	8.74	3.23	9.17	3.23
2.5+2.5+2.5+2.5	22	8.07	2.00	8.57	2.23	9.07	2.27	9.32	2.28	10.06	2.32	10.56	2.35
	25	7.77	2.36	8.27	2.41	8.77	2.44	9.01	2.46	9.76	2.51	10.25	2.54
	32	7.35	2.61	7.85	2.68	8.34	2.73	8.59	2.76	9.34	2.83	9.83	2.89
	35	7.17	2.73	7.67	2.80	8.16	2.88	8.41	2.91	9.15	2.99	9.65	3.04
	40	6.87	2.94	7.36	3.04	7.86	3.13	8.11	3.16	8.85	3.27	9.35	3.33
	43	6.69	3.10	7.18	3.18	7.68	3.28	7.93	3.33	8.67	3.45	9.17	3.52
	46	6.50	3.23	6.98	3.23	7.45	3.23	7.67	3.23	8.32	3.23	8.75	3.23
2.5+2.5+2.5+3.5	22	8.27	2.12	8.77	2.36	9.28	2.40	9.54	2.41	10.30	2.46	10.81	2.48
	25	7.96	2.50	8.47	2.55	8.97	2.59	9.23	2.60	9.99	2.66	10.50	2.69
	32	7.52	2.76	8.03	2.83	8.54	2.89	8.80	2.92	9.56	3.00	10.07	3.06
	35	7.34	2.89	7.85	2.97	8.36	3.04	8.61	3.08	9.37	3.16	9.88	3.22
	40	7.03	3.12	7.54	3.22	8.05	3.31	8.30	3.35	9.06	3.46	9.57	3.53
	43	6.85	3.28	7.35	3.37	7.86	3.47	8.12	3.52	8.85	3.54	9.32	3.54
	46	6.64	3.23	7.11	3.23	7.57	3.23	7.78	3.23	8.44	3.23	8.88	3.23

Combination (Capacity)	Outdoor Air Temp. °CDB	Indoor Air Temp.:°CWB											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+2.5+5.0	22	8.74	2.22	9.27	2.47	9.81	2.51	10.08	2.52	10.89	2.57	11.42	2.60
	25	8.41	2.61	8.95	2.66	9.48	2.70	9.75	2.72	10.56	2.78	11.10	2.81
	32	7.95	2.89	8.49	2.96	9.03	3.02	9.30	3.06	10.10	3.13	10.64	3.19
	35	7.76	3.02	8.29	3.10	8.83	3.18	9.10	3.22	9.91	3.31	10.44	3.36
	40	7.43	3.26	7.97	3.36	8.50	3.46	8.77	3.50	9.58	3.62	10.12	3.69
	43	7.23	3.43	7.77	3.52	8.29	3.54	8.55	3.54	9.29	3.54	9.77	3.54
	46	6.97	3.23	7.45	3.23	7.91	3.23	8.13	3.23	8.81	3.23	9.24	3.23
2.5+2.5+2.5+6.0	22	8.82	2.25	9.37	2.51	9.91	2.55	10.18	2.56	10.99	2.61	11.54	2.64
	25	8.49	2.65	9.04	2.70	9.58	2.74	9.85	2.76	10.66	2.82	11.21	2.85
	32	8.03	2.93	8.57	3.01	9.12	3.07	9.39	3.10	10.20	3.18	10.74	3.24
	35	7.83	3.07	8.38	3.15	8.92	3.23	9.19	3.27	10.00	3.36	10.55	3.42
	40	7.50	3.31	8.05	3.42	8.59	3.51	8.86	3.56	9.67	3.68	10.22	3.74
	43	7.31	3.48	7.85	3.54	8.37	3.54	8.62	3.54	9.37	3.54	9.85	3.54
	46	7.02	3.23	7.49	3.23	7.95	3.23	8.17	3.23	8.84	3.23	9.29	3.23
2.5+2.5+3.5+3.5	22	8.54	2.32	9.07	2.58	9.60	2.63	9.86	2.64	10.65	2.69	11.17	2.72
	25	8.23	2.73	8.75	2.79	9.28	2.83	9.54	2.85	10.33	2.91	10.85	2.94
	32	7.78	3.02	8.30	3.10	8.83	3.17	9.09	3.20	9.88	3.28	10.41	3.34
	35	7.59	3.16	8.11	3.25	8.64	3.33	8.90	3.37	9.69	3.46	10.21	3.52
	40	7.27	3.41	7.79	3.52	8.32	3.62	8.58	3.66	9.37	3.79	9.89	3.86
	43	7.08	3.54	7.59	3.54	8.09	3.54	8.34	3.54	9.06	3.54	9.54	3.54
	46	6.75	3.23	7.19	3.23	7.62	3.23	7.84	3.23	8.47	3.23	8.89	3.23
2.5+2.5+3.5+5.0	22	8.82	2.27	9.37	2.52	9.91	2.56	10.18	2.58	10.99	2.63	11.54	2.65
	25	8.49	2.67	9.04	2.72	9.58	2.76	9.85	2.78	10.66	2.84	11.21	2.87
	32	8.03	2.95	8.57	3.03	9.12	3.09	9.39	3.12	10.20	3.20	10.74	3.26
	35	7.83	3.09	8.38	3.17	8.92	3.25	9.19	3.29	10.00	3.38	10.55	3.44
	40	7.50	3.33	8.05	3.44	8.59	3.53	8.86	3.58	9.67	3.70	10.22	3.77
	43	7.31	3.50	7.85	3.54	8.37	3.54	8.62	3.54	9.37	3.54	9.85	3.54
	46	7.01	3.23	7.48	3.23	7.94	3.23	8.15	3.23	8.82	3.23	9.26	3.23
2.5+3.5+3.5+3.5	22	8.77	2.38	9.31	2.65	9.85	2.70	10.12	2.71	10.93	2.76	11.47	2.79
	25	8.45	2.81	8.99	2.86	9.53	2.90	9.80	2.92	10.61	2.98	11.14	3.02
	32	7.99	3.10	8.53	3.18	9.07	3.25	9.34	3.28	10.15	3.37	10.69	3.43
	35	7.79	3.25	8.33	3.33	8.87	3.42	9.14	3.46	9.95	3.55	10.49	3.61
	40	7.46	3.50	8.00	3.61	8.54	3.72	8.81	3.76	9.62	3.89	10.16	3.96
	43	7.26	3.54	7.78	3.54	8.28	3.54	8.53	3.54	9.24	3.54	9.73	3.54
	46	6.89	3.23	7.33	3.23	7.76	3.23	7.97	3.23	8.60	3.23	9.03	3.23

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m

3D042743#1
3D042743#2
3D042743#3
3D042743#4

[Heating Capacity 50Hz 240V]

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5	16	2.79	1.47	3.27	1.58	3.80	1.70	4.26	1.78	4.85	1.89	5.03	1.81	5.03	1.62
	18	2.78	1.52	3.26	1.63	3.78	1.74	4.24	1.82	4.83	1.94	5.01	1.87	5.01	1.66
	20	2.77	1.57	3.25	1.68	3.77	1.78	4.23	1.87	4.81	1.99	4.99	1.91	4.99	1.71
	21	2.76	1.59	3.25	1.70	3.77	1.81	4.22	1.90	4.80	2.02	4.98	1.94	4.98	1.73
	22	2.76	1.61	3.24	1.72	3.76	1.83	4.21	1.93	4.66	1.95	4.66	1.76	4.66	1.58
	24	2.75	1.66	3.23	1.77	3.75	1.89	4.02	1.84	4.02	1.58	4.02	1.44	4.02	1.30
3.5	16	2.90	1.56	3.40	1.68	3.95	1.80	4.43	1.89	5.05	2.00	5.48	2.08	6.04	2.19
	18	2.89	1.61	3.39	1.73	3.93	1.84	4.41	1.93	5.02	2.05	5.45	2.14	5.81	2.11
	20	2.88	1.66	3.38	1.78	3.92	1.89	4.39	1.99	5.00	2.11	5.43	2.20	5.49	1.98
	21	2.87	1.69	3.37	1.80	3.92	1.92	4.39	2.01	4.99	2.14	5.34	2.18	5.34	1.92
	22	2.87	1.71	3.37	1.83	3.91	1.94	4.38	2.04	4.98	2.17	5.19	2.10	5.19	1.87
	24	2.86	1.76	3.36	1.88	3.90	2.00	4.36	2.10	4.88	2.16	4.88	1.95	4.88	1.74

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
5.0	16	4.75	2.17	5.57	2.33	6.47	2.50	7.25	2.62	8.26	2.78	8.97	2.89	9.89	3.05
	18	4.73	2.24	5.55	2.40	6.44	2.56	7.23	2.69	8.23	2.85	8.93	2.97	9.84	3.13
	20	4.71	2.31	5.54	2.47	6.43	2.63	7.20	2.76	8.19	2.93	8.89	3.05	9.38	2.93
	21	4.71	2.34	5.53	2.50	6.42	2.66	7.18	2.80	8.17	2.97	8.87	3.10	9.12	2.82
	22	4.70	2.38	5.52	2.54	6.41	2.70	7.17	2.84	8.16	3.01	8.85	3.14	8.86	2.69
	24	4.68	2.45	5.50	2.61	6.39	2.78	7.15	2.92	8.12	3.10	8.34	2.88	8.34	2.48
6.0	16	5.10	2.43	5.98	2.61	6.94	2.80	7.79	2.94	8.87	3.12	9.63	3.25	10.61	3.42
	18	5.08	2.51	5.96	2.69	6.92	2.87	7.75	3.02	8.83	3.20	9.58	3.34	10.56	3.51
	20	5.06	2.59	5.94	2.77	6.90	2.95	7.72	3.10	8.79	3.29	9.54	3.43	10.51	3.62
	21	5.05	2.63	5.93	2.81	6.89	2.99	7.71	3.14	8.77	3.34	9.52	3.48	10.28	3.50
	22	5.04	2.67	5.92	2.85	6.88	3.03	7.70	3.18	8.75	3.38	9.49	3.53	9.99	3.34
	24	5.02	2.75	5.90	2.93	6.86	3.12	7.67	3.28	8.72	3.48	9.40	3.58	9.40	3.03
7.1	16	5.48	2.71	6.43	2.91	7.46	3.12	8.37	3.27	9.54	3.47	10.35	3.61	11.41	3.80
	18	5.46	2.80	6.41	3.00	7.44	3.20	8.34	3.35	9.49	3.56	10.30	3.71	11.05	3.66
	20	5.44	2.88	6.39	3.08	7.41	3.28	8.30	3.44	9.45	3.66	10.25	3.81	10.47	3.34
	21	5.43	2.93	6.38	3.13	7.40	3.33	8.29	3.49	9.43	3.71	10.18	3.82	10.18	3.20
	22	5.42	2.97	6.37	3.17	7.39	3.37	8.27	3.54	9.41	3.76	9.89	3.63	9.89	3.05
	24	5.40	3.06	6.35	3.26	7.38	3.47	8.25	3.65	9.31	3.82	9.31	3.28	9.31	2.78
2.5+2.5	16	5.45	2.55	6.40	2.73	7.42	2.93	8.33	3.07	9.48	3.26	10.05	3.22	10.05	2.74
	18	5.43	2.63	6.38	2.82	7.40	3.00	8.29	3.15	9.44	3.35	9.55	2.98	9.55	2.55
	20	5.41	2.71	6.35	2.90	7.37	3.08	8.26	3.24	9.40	3.44	9.45	3.02	9.45	2.58
	21	5.40	2.75	6.34	2.94	7.36	3.13	8.25	3.28	9.38	3.49	9.40	3.04	9.40	2.59
	22	5.39	2.79	6.33	2.98	7.35	3.17	8.23	3.33	8.55	2.89	8.55	2.54	8.55	2.20
	24	5.37	2.87	6.31	3.06	7.34	3.26	8.04	3.28	8.04	2.63	8.04	2.33	8.04	2.03
2.5+3.5	16	5.56	2.57	6.52	2.76	7.56	2.96	8.48	3.10	9.67	3.29	10.20	3.21	10.20	2.73
	18	5.54	2.65	6.50	2.84	7.54	3.03	8.45	3.18	9.62	3.38	9.70	2.98	9.70	2.55
	20	5.51	2.73	6.48	2.92	7.52	3.11	8.42	3.27	9.58	3.47	9.60	3.02	9.60	2.58
	21	5.50	2.77	6.47	2.96	7.51	3.15	8.40	3.31	9.55	3.51	9.55	3.04	9.55	2.60
	22	5.49	2.82	6.46	3.01	7.50	3.20	8.39	3.36	8.70	2.90	8.70	2.55	8.70	2.20
	24	5.47	2.90	6.43	3.09	7.48	3.29	8.04	3.17	8.19	2.65	8.19	2.34	8.19	2.03
2.5+5.0	16	6.00	2.57	7.04	2.76	8.17	2.96	9.17	3.10	10.44	3.29	11.34	3.42	12.50	3.61
	18	5.98	2.65	7.02	2.84	8.14	3.03	9.13	3.18	10.40	3.38	11.28	3.52	12.44	3.71
	20	5.96	2.73	7.00	2.92	8.12	3.11	9.10	3.27	10.35	3.47	11.23	3.62	12.38	3.81
	21	5.95	2.77	6.99	2.96	8.11	3.15	9.08	3.31	10.33	3.52	11.21	3.67	12.35	3.87
	22	5.93	2.82	6.97	3.01	8.10	3.20	9.06	3.36	10.31	3.57	11.18	3.72	12.32	3.92
	24	5.91	2.90	6.95	3.09	8.08	3.29	9.03	3.46	10.26	3.67	11.13	3.83	12.26	4.04
2.5+6.0	16	6.03	2.56	7.07	2.75	8.20	2.95	9.20	3.09	10.48	3.28	11.38	3.41	12.55	3.60
	18	6.00	2.64	7.05	2.83	8.18	3.02	9.17	3.17	10.44	3.37	11.33	3.51	12.48	3.70
	20	5.98	2.73	7.02	2.91	8.15	3.10	9.13	3.26	10.39	3.46	11.27	3.61	12.42	3.80
	21	5.97	2.77	7.01	2.96	8.14	3.14	9.11	3.30	10.37	3.51	11.25	3.66	12.39	3.86
	22	5.96	2.81	7.00	3.00	8.13	3.19	9.10	3.35	10.35	3.56	11.22	3.71	12.36	3.91
	24	5.93	2.89	6.98	3.08	8.11	3.28	9.07	3.45	10.30	3.66	11.17	3.82	12.31	4.03
2.5+7.1	16	6.06	2.43	7.10	2.61	8.24	2.80	9.25	2.93	10.53	3.11	11.44	3.24	12.61	3.41
	18	6.03	2.51	7.08	2.68	8.22	2.87	9.21	3.01	10.49	3.19	11.38	3.33	12.54	3.50
	20	6.01	2.58	7.06	2.76	8.19	2.94	9.17	3.09	10.44	3.28	11.33	3.42	12.48	3.60
	21	6.00	2.62	7.05	2.80	8.18	2.98	9.16	3.13	10.42	3.33	11.30	3.47	12.45	3.66
	22	5.99	2.66	7.03	2.84	8.17	3.02	9.14	3.17	10.40	3.37	11.28	3.52	12.42	3.71
	24	5.96	2.74	7.01	2.92	8.15	3.11	9.11	3.27	10.35	3.47	11.23	3.62	12.37	3.82
3.5+3.5	16	5.69	2.66	6.67	2.85	7.74	3.06	8.69	3.21	9.90	3.40	10.35	3.24	10.35	2.76
	18	5.67	2.74	6.65	2.94	7.72	3.14	8.65	3.29	9.85	3.49	9.85	3.02	9.85	2.58
	20	5.65	2.83	6.63	3.02	7.70	3.22	8.62	3.38	9.81	3.59	9.82	3.11	9.82	2.65
	21	5.64	2.87	6.62	3.07	7.69	3.26	8.61	3.43	9.77	3.62	9.77	3.13	9.77	2.66
	22	5.63	2.91	6.61	3.11	7.68	3.31	8.59	3.47	8.92	3.00	8.92	2.62	8.92	2.27
	24	5.60	3.00	6.59	3.19	7.66	3.40	8.41	3.43	8.41	2.74	8.41	2.41	8.41	2.09
3.5+5.0	16	6.03	2.58	7.07	2.77	8.20	2.97	9.20	3.11	10.48	3.30	11.38	3.43	12.55	3.62
	18	6.00	2.66	7.05	2.85	8.18	3.04	9.17	3.19	10.44	3.39	11.33	3.53	12.48	3.72
	20	5.98	2.74	7.02	2.93	8.15	3.12	9.13	3.28	10.39	3.48	11.27	3.63	12.42	3.82
	21	5.97	2.78	7.01	2.97	8.14	3.16	9.11	3.32	10.37	3.53	11.25	3.68	12.39	3.88
	22	5.96	2.82	7.00	3.01	8.13	3.21	9.10	3.37	10.35	3.58	11.22	3.73	12.36	3.94
	24	5.93	2.91	6.98	3.10	8.11	3.30	9.07	3.47	10.30	3.69	11.17	3.84	12.31	4.05
3.5+6.0	16	6.05	2.42	7.10	2.60	8.23	2.79	9.24	2.92	10.52	3.10	11.43	3.23	12.59	3.40
	18	6.03	2.50	7.07	2.68	8.21	2.86	9.20	3.00	10.48	3.18	11.37	3.32	12.53	3.49
	20	6.00	2.58	7.05	2.75	8.18	2.93	9.17	3.08	10.43	3.27	11.32	3.41	12.47	3.59
	21	5.99	2.61	7.04	2.79	8.17	2.97	9.15	3.12	10.41	3.32	11.29	3.46	12.44	3.65
	22	5.98	2.65	7.03	2.83	8.16	3.01	9.13	3.16	10.39	3.36	11.27	3.51	12.41	3.70
	24	5.96	2.73	7.00	2.91	8.14	3.10	9.10	3.26	10.34	3.46	11.22	3.61	12.36	3.81

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
3.5+7.1	16	6.08	2.34	7.13	2.51	8.27	2.69	9.28	2.82	10.57	3.00	11.48	3.12	12.65	3.28
	18	6.06	2.41	7.11	2.59	8.25	2.76	9.25	2.90	10.53	3.07	11.42	3.20	12.59	3.38
	20	6.03	2.49	7.08	2.66	8.22	2.83	9.21	2.97	10.48	3.16	11.37	3.29	12.53	3.47
	21	6.02	2.53	7.07	2.70	8.21	2.87	9.19	3.02	10.46	3.20	11.35	3.34	12.50	3.52
	22	6.01	2.56	7.06	2.74	8.20	2.91	9.18	3.06	10.44	3.25	11.32	3.39	12.47	3.57
	24	5.99	2.64	7.04	2.81	8.18	2.99	9.15	3.15	10.39	3.35	11.27	3.49	12.41	3.68
5.0+5.0	16	6.07	2.45	7.12	2.63	8.26	2.82	9.27	2.96	10.56	3.14	11.47	3.27	12.64	3.44
	18	6.05	2.53	7.10	2.71	8.24	2.89	9.24	3.03	10.52	3.22	11.41	3.36	12.58	3.54
	20	6.03	2.61	7.08	2.79	8.21	2.97	9.20	3.12	10.47	3.31	11.36	3.45	12.52	3.64
	21	6.02	2.65	7.07	2.83	8.20	3.01	9.18	3.16	10.45	3.36	11.33	3.50	12.49	3.69
	22	6.00	2.69	7.05	2.87	8.19	3.05	9.17	3.20	10.43	3.40	11.31	3.55	12.46	3.74
	24	5.98	2.76	7.03	2.95	8.17	3.14	9.14	3.30	10.38	3.51	11.26	3.66	12.40	3.86
5.0+6.0	16	6.08	2.35	7.14	2.52	8.28	2.70	9.29	2.83	10.58	3.00	11.49	3.13	12.67	3.30
	18	6.06	2.42	7.11	2.59	8.25	2.77	9.25	2.91	10.54	3.08	11.44	3.21	12.60	3.39
	20	6.04	2.50	7.09	2.67	8.23	2.84	9.22	2.98	10.49	3.17	11.38	3.30	12.54	3.48
	21	6.03	2.53	7.08	2.71	8.22	2.88	9.20	3.03	10.47	3.21	11.36	3.35	12.51	3.53
	22	6.01	2.57	7.07	2.75	8.21	2.92	9.19	3.07	10.45	3.26	11.33	3.40	12.48	3.59
	24	5.99	2.65	7.05	2.82	8.19	3.00	9.15	3.16	10.40	3.36	11.28	3.50	12.43	3.69
5.0+7.1	16	6.11	2.31	7.17	2.48	8.32	2.66	9.34	2.79	10.64	2.96	11.55	3.08	12.73	3.24
	18	6.09	2.38	7.15	2.55	8.29	2.73	9.30	2.86	10.59	3.04	11.49	3.16	12.66	3.33
	20	6.07	2.46	7.13	2.63	8.27	2.80	9.26	2.94	10.54	3.12	11.44	3.25	12.60	3.43
	21	6.06	2.49	7.11	2.66	8.26	2.83	9.25	2.98	10.52	3.16	11.41	3.30	12.57	3.48
	22	6.04	2.53	7.10	2.70	8.25	2.87	9.23	3.02	10.50	3.21	11.39	3.35	12.54	3.53
	24	6.02	2.61	7.08	2.78	8.23	2.96	9.20	3.11	10.45	3.30	11.34	3.45	12.49	3.63
6.0+6.0	16	6.10	2.30	7.16	2.47	8.30	2.65	9.32	2.78	10.62	2.95	11.52	3.07	12.70	3.23
	18	6.08	2.38	7.13	2.55	8.28	2.72	9.28	2.85	10.57	3.03	11.47	3.15	12.64	3.32
	20	6.06	2.45	7.11	2.62	8.25	2.79	9.25	2.93	10.52	3.11	11.42	3.24	12.58	3.42
	21	6.04	2.49	7.10	2.66	8.24	2.83	9.23	2.97	10.50	3.15	11.39	3.29	12.55	3.47
	22	6.03	2.52	7.09	2.69	8.23	2.86	9.21	3.01	10.48	3.20	11.36	3.34	12.52	3.52
	24	6.01	2.60	7.07	2.77	8.21	2.95	9.18	3.10	10.43	3.29	11.31	3.43	12.46	3.62
6.0+7.1	16	6.14	2.30	7.20	2.47	8.35	2.65	9.37	2.78	10.68	2.95	11.59	3.07	12.78	3.23
	18	6.11	2.38	7.18	2.55	8.33	2.72	9.33	2.85	10.63	3.03	11.53	3.15	12.71	3.32
	20	6.09	2.45	7.15	2.62	8.30	2.79	9.30	2.93	10.58	3.11	11.48	3.24	12.65	3.42
	21	6.08	2.49	7.14	2.66	8.29	2.83	9.28	2.97	10.56	3.15	11.45	3.29	12.62	3.47
	22	6.07	2.52	7.13	2.69	8.28	2.86	9.26	3.01	10.53	3.20	11.43	3.34	12.59	3.52
	24	6.04	2.60	7.11	2.77	8.26	2.95	9.23	3.10	10.49	3.29	11.38	3.43	12.53	3.62
2.5+2.5+2.5	16	6.03	2.54	7.08	2.73	8.21	2.92	9.21	3.07	10.49	3.25	11.39	3.39	12.56	3.57
	18	6.01	2.62	7.05	2.81	8.18	3.00	9.17	3.14	10.45	3.34	11.34	3.48	12.50	3.66
	20	5.99	2.70	7.03	2.89	8.16	3.07	9.14	3.23	10.40	3.43	11.28	3.58	12.44	3.77
	21	5.97	2.74	7.02	2.93	8.15	3.12	9.12	3.27	10.38	3.48	11.26	3.63	12.41	3.82
	22	5.96	2.78	7.01	2.97	8.14	3.16	9.11	3.32	10.36	3.53	11.23	3.68	12.38	3.88
	24	5.94	2.86	6.98	3.05	8.12	3.25	9.08	3.42	10.31	3.63	11.18	3.79	12.06	3.79
2.5+2.5+3.5	16	6.07	2.57	7.12	2.76	8.26	2.96	9.27	3.10	10.56	3.29	11.47	3.42	12.64	3.61
	18	6.05	2.65	7.10	2.84	8.24	3.03	9.24	3.18	10.52	3.38	11.41	3.52	12.58	3.71
	20	6.03	2.73	7.08	2.92	8.21	3.11	9.20	3.27	10.47	3.47	11.36	3.62	12.52	3.81
	21	6.02	2.77	7.07	2.96	8.20	3.15	9.18	3.31	10.45	3.52	11.33	3.67	12.49	3.87
	22	6.00	2.82	7.05	3.01	8.19	3.20	9.17	3.36	10.43	3.57	11.31	3.72	12.46	3.92
	24	5.98	2.90	7.03	3.09	8.17	3.29	9.14	3.46	10.38	3.67	11.26	3.83	12.06	3.77
2.5+2.5+5.0	16	6.12	2.47	7.19	2.65	8.34	2.85	9.35	2.98	10.66	3.17	11.57	3.30	12.75	3.47
	18	6.10	2.55	7.16	2.73	8.31	2.92	9.32	3.06	10.61	3.25	11.51	3.39	12.69	3.57
	20	6.08	2.63	7.14	2.81	8.29	2.99	9.28	3.14	10.56	3.34	11.46	3.48	12.63	3.67
	21	6.07	2.67	7.13	2.85	8.27	3.03	9.26	3.19	10.54	3.39	11.43	3.53	12.60	3.72
	22	6.06	2.71	7.12	2.89	8.26	3.08	9.25	3.23	10.51	3.44	11.41	3.58	12.57	3.78
	24	6.03	2.79	7.09	2.97	8.24	3.16	9.22	3.33	10.47	3.54	11.36	3.69	12.51	3.89
2.5+2.5+6.0	16	6.17	2.32	7.23	2.50	8.39	2.68	9.41	2.81	10.73	2.98	11.64	3.10	12.84	3.26
	18	6.14	2.40	7.21	2.57	8.36	2.74	9.38	2.88	10.68	3.06	11.59	3.18	12.77	3.35
	20	6.12	2.47	7.19	2.64	8.34	2.81	9.34	2.96	10.63	3.14	11.53	3.27	12.71	3.45
	21	6.11	2.51	7.17	2.68	8.33	2.85	9.32	3.00	10.61	3.18	11.51	3.32	12.68	3.50
	22	6.10	2.55	7.16	2.72	8.32	2.89	9.31	3.04	10.58	3.23	11.48	3.37	12.65	3.55
	24	6.07	2.62	7.14	2.79	8.30	2.98	9.28	3.13	10.54	3.33	11.43	3.47	12.59	3.66
2.5+2.5+7.1	16	6.21	2.32	7.28	2.49	8.45	2.67	9.48	2.80	10.80	2.97	11.72	3.09	12.92	3.25
	18	6.18	2.39	7.26	2.56	8.42	2.73	9.44	2.87	10.75	3.05	11.66	3.17	12.86	3.34
	20	6.16	2.47	7.23	2.64	8.39	2.81	9.40	2.95	10.70	3.13	11.61	3.26	12.79	3.44
	21	6.15	2.50	7.22	2.67	8.38	2.84	9.39	2.99	10.68	3.17	11.58	3.31	12.76	3.49
	22	6.14	2.54	7.21	2.71	8.37	2.88	9.37	3.03	10.65	3.22	11.56	3.36	12.73	3.54
	24	6.11	2.61	7.19	2.79	8.35	2.97	9.34	3.12	10.61	3.31	11.51	3.46	12.67	3.65

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+3.5+3.5	16	6.11	2.46	7.16	2.64	8.31	2.83	9.33	2.97	10.63	3.15	11.53	3.28	12.72	3.45
	18	6.08	2.54	7.14	2.72	8.29	2.90	9.29	3.04	10.58	3.23	11.48	3.37	12.65	3.55
	20	6.06	2.61	7.12	2.80	8.26	2.98	9.25	3.12	10.53	3.32	11.43	3.46	12.59	3.65
	21	6.05	2.65	7.11	2.84	8.25	3.02	9.24	3.17	10.51	3.37	11.40	3.51	12.56	3.70
	22	6.04	2.69	7.10	2.88	8.24	3.06	9.22	3.21	10.49	3.42	11.37	3.56	12.53	3.76
	24	6.07	2.77	7.14	2.95	8.30	3.15	9.28	3.31	10.54	3.52	11.43	3.67	12.06	3.49
2.5+3.5+5.0	16	6.17	2.34	7.23	2.51	8.39	2.69	9.41	2.82	10.73	3.00	11.64	3.12	12.84	3.28
	18	6.14	2.41	7.21	2.59	8.36	2.76	9.38	2.90	10.68	3.07	11.59	3.20	12.77	3.38
	20	6.12	2.49	7.19	2.66	8.34	2.83	9.34	2.97	10.63	3.16	11.53	3.29	12.71	3.47
	21	6.11	2.53	7.17	2.70	8.33	2.87	9.32	3.02	10.61	3.20	11.51	3.34	12.68	3.52
	22	6.13	2.56	7.20	2.74	8.36	2.91	9.36	3.06	10.64	3.25	11.55	3.39	12.72	3.57
	24	6.07	2.64	7.14	2.81	8.30	2.99	9.28	3.15	10.54	3.35	11.43	3.49	12.59	3.68
2.5+3.5+6.0	16	6.20	2.29	7.27	2.46	8.44	2.64	9.47	2.77	10.79	2.94	11.71	3.06	12.91	3.22
	18	6.18	2.37	7.25	2.54	8.41	2.71	9.43	2.84	10.74	3.02	11.65	3.14	12.84	3.31
	20	6.15	2.44	7.23	2.61	8.39	2.78	9.39	2.92	10.69	3.10	11.60	3.23	12.78	3.41
	21	6.14	2.48	7.21	2.65	8.38	2.82	9.38	2.96	10.67	3.14	11.57	3.28	12.75	3.46
	22	6.13	2.52	7.20	2.68	8.36	2.86	9.36	3.00	10.64	3.19	11.55	3.32	12.72	3.51
	24	6.11	2.59	7.18	2.76	8.34	2.94	9.33	3.09	10.60	3.28	11.50	3.42	12.66	3.61
2.5+3.5+7.1	16	6.24	2.21	7.32	2.38	8.49	2.55	9.53	2.67	10.86	2.83	11.79	2.95	12.99	3.11
	18	6.22	2.28	7.30	2.45	8.47	2.61	9.49	2.74	10.81	2.91	11.73	3.03	12.93	3.19
	20	6.19	2.35	7.27	2.52	8.44	2.68	9.46	2.81	10.76	2.99	11.68	3.12	12.87	3.29
	21	6.18	2.39	7.26	2.55	8.43	2.72	9.44	2.85	10.74	3.03	11.65	3.16	12.84	3.33
	22	6.17	2.43	7.25	2.59	8.42	2.75	9.42	2.89	10.71	3.08	11.62	3.21	12.81	3.38
	24	6.15	2.50	7.23	2.66	8.40	2.83	9.39	2.98	10.67	3.17	11.57	3.30	12.75	3.48
2.5+5.0+5.0	16	6.22	2.33	7.30	2.50	8.47	2.68	9.50	2.81	10.83	2.99	11.75	3.11	12.96	3.27
	18	6.20	2.41	7.28	2.58	8.44	2.75	9.47	2.89	10.78	3.07	11.70	3.19	12.89	3.37
	20	6.18	2.48	7.25	2.65	8.42	2.82	9.43	2.96	10.73	3.15	11.64	3.28	12.83	3.46
	21	6.16	2.52	7.24	2.69	8.41	2.86	9.41	3.01	10.71	3.19	11.62	3.33	12.80	3.51
	22	6.15	2.56	7.23	2.73	8.40	2.90	9.40	3.05	10.68	3.24	11.59	3.38	12.77	3.56
	24	6.13	2.63	7.21	2.80	8.37	2.98	9.36	3.14	10.64	3.34	11.54	3.48	12.71	3.67
2.5+5.0+6.0	16	6.26	2.25	7.34	2.42	8.52	2.59	9.56	2.72	10.89	2.88	11.82	3.00	13.03	3.16
	18	6.23	2.32	7.32	2.49	8.49	2.66	9.52	2.79	10.84	2.96	11.76	3.08	12.96	3.25
	20	6.21	2.39	7.29	2.56	8.47	2.73	9.48	2.86	10.79	3.04	11.71	3.17	12.90	3.34
	21	6.20	2.43	7.28	2.60	8.45	2.76	9.47	2.90	10.77	3.08	11.68	3.21	12.87	3.39
	22	6.19	2.47	7.27	2.63	8.44	2.80	9.45	2.94	10.74	3.13	11.66	3.26	12.84	3.44
	24	6.16	2.54	7.25	2.70	8.42	2.88	9.42	3.03	10.70	3.22	11.60	3.36	12.78	3.54
3.5+3.5+3.5	16	6.15	2.34	7.21	2.51	8.37	2.69	9.39	2.82	10.70	3.00	11.61	3.12	12.80	3.28
	18	6.12	2.41	7.19	2.59	8.34	2.76	9.35	2.90	10.65	3.07	11.56	3.20	12.74	3.38
	20	6.10	2.49	7.17	2.66	8.32	2.83	9.32	2.97	10.60	3.16	11.50	3.29	12.67	3.47
	21	6.09	2.53	7.15	2.70	8.30	2.87	9.30	3.02	10.58	3.20	11.48	3.34	12.64	3.52
	22	6.08	2.56	7.14	2.74	8.29	2.91	9.28	3.06	10.55	3.25	11.45	3.39	12.61	3.57
	24	6.05	2.64	7.12	2.81	8.27	2.99	9.25	3.15	10.51	3.35	11.40	3.49	12.06	3.34
3.5+3.5+5.0	16	6.20	2.30	7.27	2.47	8.44	2.65	9.47	2.78	10.79	2.95	11.71	3.07	12.91	3.23
	18	6.18	2.38	7.25	2.55	8.41	2.72	9.43	2.85	10.74	3.03	11.65	3.15	12.84	3.32
	20	6.15	2.45	7.23	2.62	8.39	2.79	9.39	2.93	10.69	3.11	11.60	3.24	12.78	3.42
	21	6.14	2.49	7.21	2.66	8.38	2.83	9.38	2.97	10.67	3.15	11.57	3.29	12.75	3.47
	22	6.13	2.52	7.20	2.69	8.36	2.86	9.36	3.01	10.64	3.20	11.55	3.34	12.72	3.52
	24	6.11	2.60	7.18	2.77	8.34	2.95	9.33	3.10	10.60	3.29	11.50	3.43	12.66	3.62
3.5+3.5+6.0	16	6.24	2.23	7.32	2.39	8.49	2.57	9.53	2.69	10.86	2.85	11.79	2.97	12.99	3.13
	18	6.22	2.30	7.30	2.46	8.47	2.63	9.49	2.76	10.81	2.93	11.73	3.05	12.93	3.22
	20	6.19	2.37	7.27	2.54	8.44	2.70	9.46	2.83	10.76	3.01	11.68	3.14	12.87	3.31
	21	6.18	2.41	7.26	2.57	8.43	2.73	9.44	2.87	10.74	3.05	11.65	3.18	12.84	3.36
	22	6.17	2.44	7.25	2.61	8.42	2.77	9.42	2.91	10.71	3.10	11.62	3.23	12.81	3.40
	24	6.15	2.51	7.23	2.68	8.40	2.85	9.39	3.00	10.67	3.19	11.57	3.32	12.75	3.51
3.5+5.0+5.0	16	6.26	2.23	7.34	2.39	8.52	2.57	9.56	2.69	10.89	2.85	11.82	2.97	13.03	3.13
	18	6.23	2.30	7.32	2.46	8.49	2.63	9.52	2.76	10.84	2.93	11.76	3.05	12.96	3.22
	20	6.21	2.37	7.29	2.54	8.47	2.70	9.48	2.83	10.79	3.01	11.71	3.14	12.90	3.31
	21	6.20	2.41	7.28	2.57	8.45	2.73	9.47	2.87	10.77	3.05	11.68	3.18	12.87	3.36
	22	6.19	2.44	7.27	2.61	8.44	2.77	9.45	2.91	10.74	3.10	11.66	3.23	12.84	3.40
	24	6.16	2.51	7.25	2.68	8.42	2.85	9.42	3.00	10.70	3.19	11.60	3.32	12.78	3.51
2.5+2.5+2.5+2.5	16	6.13	2.32	7.19	2.49	8.34	2.67	9.36	2.80	10.67	2.97	11.58	3.09	12.76	3.25
	18	6.11	2.39	7.17	2.56	8.32	2.73	9.32	2.87	10.62	3.05	11.52	3.17	12.70	3.34
	20	6.08	2.47	7.15	2.64	8.29	2.81	9.29	2.95	10.57	3.13	11.47	3.26	12.64	3.44
	21	6.07	2.50	7.13	2.67	8.28	2.84	9.27	2.99	10.55	3.17	11.44	3.31	12.61	3.49
	22	6.06	2.54	7.12	2.71	8.27	2.88	9.26	3.03	10.52	3.22	11.42	3.36	12.58	3.54
	24	6.04	2.61	7.10	2.79	8.25	2.97	9.22	3.12	10.48	3.31	11.37	3.46	12.52	3.65

Combination (Capacity)	Indoor Air Temp. °CDB	Outdoor Air Temp.:°CWB													
		-15		-10		-5		0		6		10		15	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
2.5+2.5+2.5+3.5	16	6.17	2.23	7.23	2.40	8.39	2.57	9.41	2.70	10.73	2.86	11.64	2.98	12.84	3.14
	18	6.14	2.31	7.21	2.47	8.36	2.64	9.38	2.77	10.68	2.94	11.59	3.06	12.77	3.23
	20	6.12	2.38	7.19	2.54	8.34	2.71	9.34	2.84	10.63	3.02	11.53	3.15	12.71	3.32
	21	6.11	2.41	7.17	2.58	8.33	2.74	9.32	2.88	10.61	3.06	11.51	3.19	12.68	3.37
	22	6.10	2.45	7.16	2.62	8.32	2.78	9.31	2.92	10.58	3.11	11.48	3.24	12.65	3.42
	24	6.07	2.52	7.14	2.69	8.30	2.86	9.28	3.01	10.54	3.20	11.43	3.34	12.59	3.52
2.5+2.5+2.5+5.0	16	6.22	2.26	7.30	2.43	8.47	2.61	9.50	2.73	10.83	2.90	11.75	3.02	12.96	3.18
	18	6.20	2.34	7.28	2.50	8.44	2.67	9.47	2.80	10.78	2.98	11.70	3.10	12.89	3.27
	20	6.18	2.41	7.25	2.58	8.42	2.74	9.43	2.88	10.73	3.06	11.64	3.19	12.83	3.36
	21	6.16	2.45	7.24	2.61	8.41	2.78	9.41	2.92	10.71	3.10	11.62	3.24	12.80	3.41
	22	6.15	2.48	7.23	2.65	8.40	2.82	9.40	2.96	10.68	3.15	11.59	3.28	12.77	3.46
	24	6.13	2.56	7.21	2.72	8.37	2.90	9.36	3.05	10.64	3.24	11.54	3.38	12.71	3.56
2.5+2.5+2.5+6.0	16	6.26	2.23	7.34	2.39	8.52	2.57	9.56	2.69	10.89	2.85	11.82	2.97	13.03	3.13
	18	6.23	2.30	7.32	2.46	8.49	2.63	9.52	2.76	10.84	2.93	11.76	3.05	12.96	3.22
	20	6.21	2.37	7.29	2.54	8.47	2.70	9.48	2.83	10.79	3.01	11.71	3.14	12.90	3.31
	21	6.20	2.41	7.28	2.57	8.45	2.73	9.47	2.87	10.77	3.05	11.68	3.18	12.87	3.36
	22	6.19	2.44	7.27	2.61	8.44	2.77	9.45	2.91	10.74	3.10	11.66	3.23	12.84	3.40
	24	6.16	2.51	7.25	2.68	8.42	2.85	9.42	3.00	10.70	3.19	11.60	3.32	12.78	3.51
2.5+2.5+3.5+3.5	16	6.21	2.22	7.28	2.38	8.45	2.56	9.48	2.68	10.80	2.84	11.72	2.96	12.92	3.12
	18	6.18	2.29	7.26	2.46	8.42	2.62	9.44	2.75	10.75	2.92	11.66	3.04	12.86	3.21
	20	6.16	2.36	7.23	2.53	8.39	2.69	9.40	2.82	10.70	3.00	11.61	3.13	12.79	3.30
	21	6.15	2.40	7.22	2.56	8.38	2.73	9.39	2.86	10.68	3.04	11.58	3.17	12.76	3.34
	22	6.14	2.43	7.21	2.60	8.37	2.76	9.37	2.90	10.65	3.09	11.56	3.22	12.73	3.39
	24	6.11	2.51	7.19	2.67	8.35	2.84	9.34	2.99	10.61	3.18	11.51	3.31	12.67	3.49
2.5+2.5+3.5+5.0	16	6.26	2.21	7.35	2.37	8.53	2.54	9.57	2.66	10.90	2.82	11.83	2.94	13.04	3.10
	18	6.24	2.28	7.32	2.44	8.50	2.60	9.53	2.73	10.85	2.90	11.77	3.02	12.98	3.18
	20	6.22	2.35	7.30	2.51	8.47	2.67	9.49	2.80	10.80	2.98	11.72	3.11	12.91	3.27
	21	6.20	2.38	7.29	2.55	8.46	2.71	9.47	2.84	10.78	3.02	11.69	3.15	12.88	3.32
	22	6.19	2.42	7.28	2.58	8.45	2.74	9.46	2.88	10.75	3.07	11.67	3.20	12.85	3.37
	24	6.17	2.49	7.25	2.65	8.43	2.82	9.42	2.97	10.71	3.16	11.61	3.29	12.79	3.47
2.5+3.5+3.5+3.5	16	6.24	2.21	7.32	2.38	8.49	2.55	9.53	2.67	10.86	2.83	11.79	2.95	12.99	3.11
	18	6.22	2.28	7.30	2.45	8.47	2.61	9.49	2.74	10.81	2.91	11.73	3.03	12.93	3.19
	20	6.19	2.35	7.27	2.52	8.44	2.68	9.46	2.81	10.76	2.99	11.68	3.12	12.87	3.29
	21	6.18	2.39	7.26	2.55	8.43	2.72	9.44	2.85	10.74	3.03	11.65	3.16	12.84	3.33
	22	6.17	2.43	7.25	2.59	8.42	2.75	9.42	2.89	10.71	3.08	11.62	3.21	12.81	3.38
	24	6.15	2.50	7.23	2.66	8.40	2.83	9.39	2.98	10.67	3.17	11.57	3.30	12.75	3.48

Symbols

TC : Total capacity (kW)

PI : Power input (kW)

NOTE:

Capacities are based on the following conditions.
Corresponding refrigerant piping length : 7.5m
Level difference : 0m

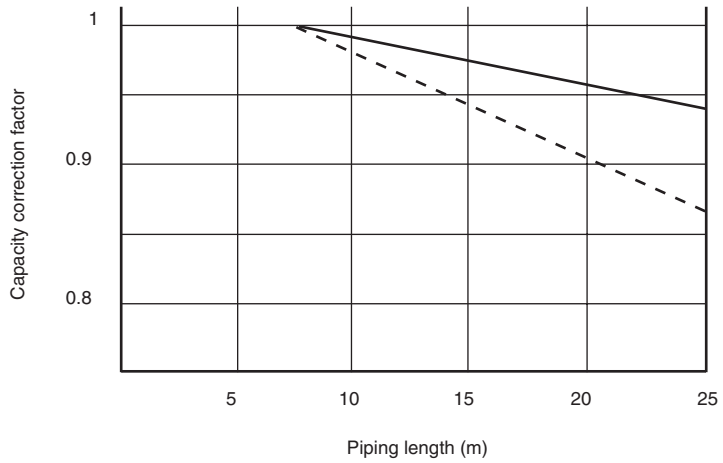
3D042743#5
3D042743#6
3D042743#7

7.2 Capacity Correction Factor by the Length of Refrigerant Piping (Reference)

The cooling and the heating capacity of the unit has to be corrected in accordance with the length of refrigerant piping. (The distance between the indoor unit and the outdoor unit)

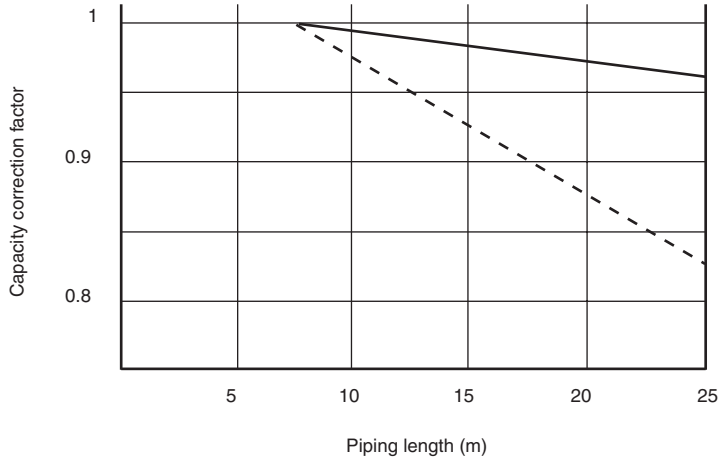
<— line: For the indoor unit with capacity of 2.5 kW.>
<--- line: For the indoor unit with capacity of 3.5 kW or more.>

Cooling (R22)



(R2656)

Heating (R22)

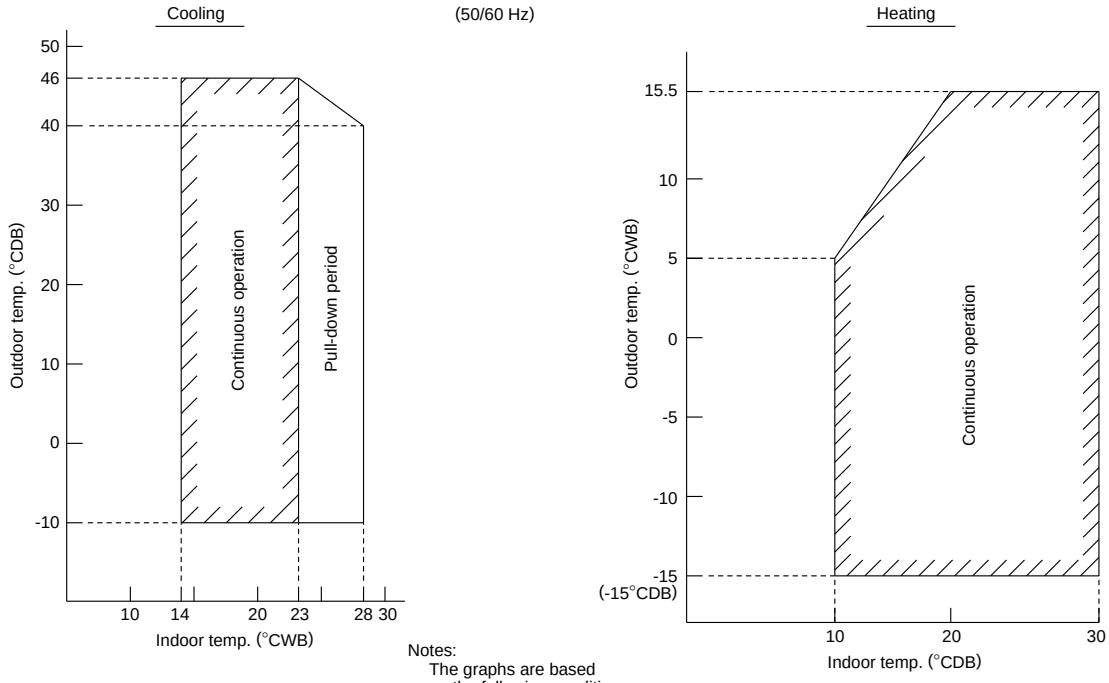


(R2506)

Note:
1. The graphs show the factor when additional refrigerant of the proper quantity is charged.
2. If it is for the multi-type room air-conditioner, the variation of the capacity will be smaller when only one indoor unit is in operation.

8. Operation Limit

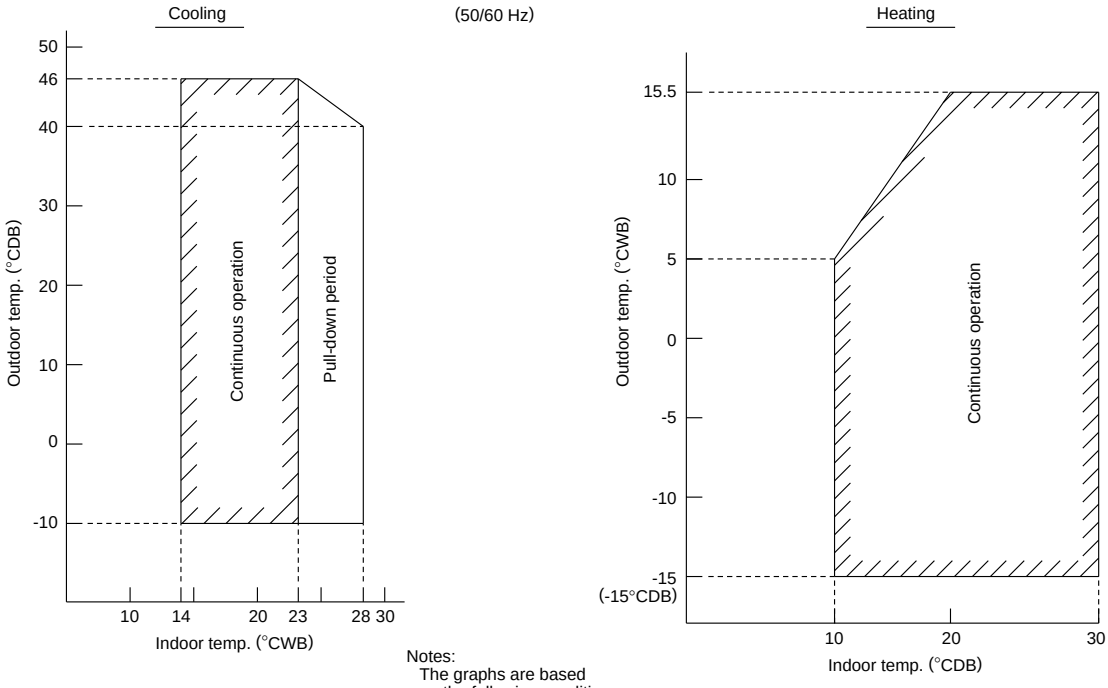
3MXD68BVMA8



Notes:
The graphs are based on the following conditions.
- Equivalent piping length 7.5m
- Level difference 0m
- Air flow rate High

3D034956K

4MXD80BVMA

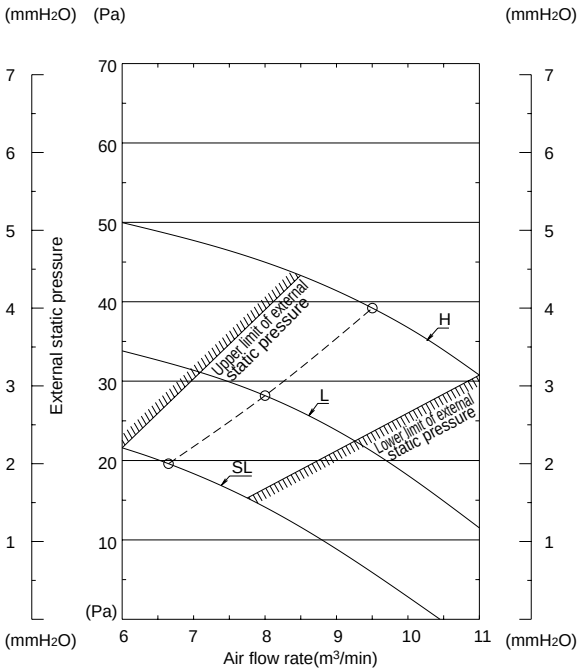


Notes:
The graphs are based on the following conditions.
- Equivalent piping length 7.5m
- Level difference 0m
- Air flow rate High

3D034958F

9. Fan Characteristics

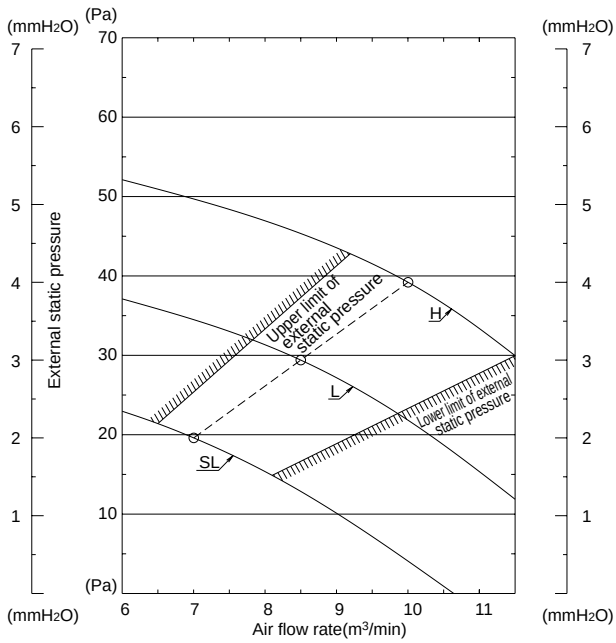
CDXD25CVMA



Notes:
1. The external static pressure indicates the fan characteristics when the air filter is not attached.
   Mount the air filter in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

3D045764A

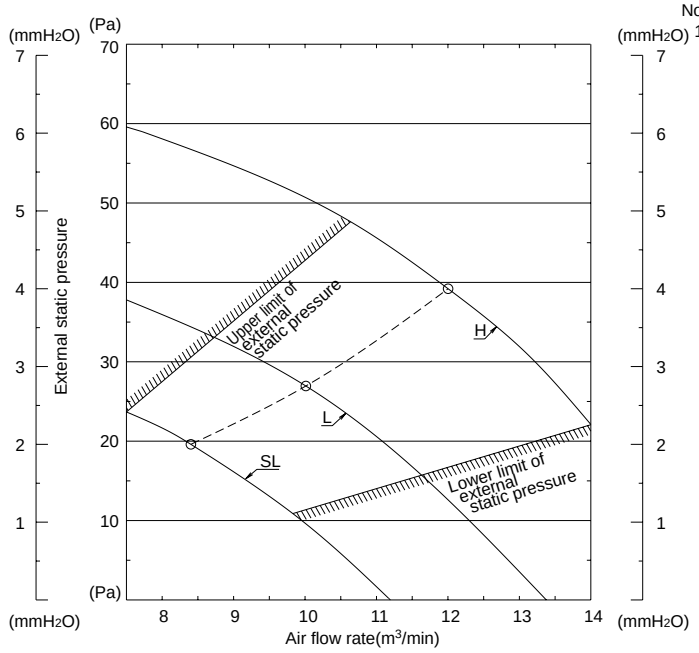
CDXD35CVMA



Notes:
1. The external static pressure indicates the fan characteristics when the air filter is not attached.
   Mount the air filter in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

3D045765A

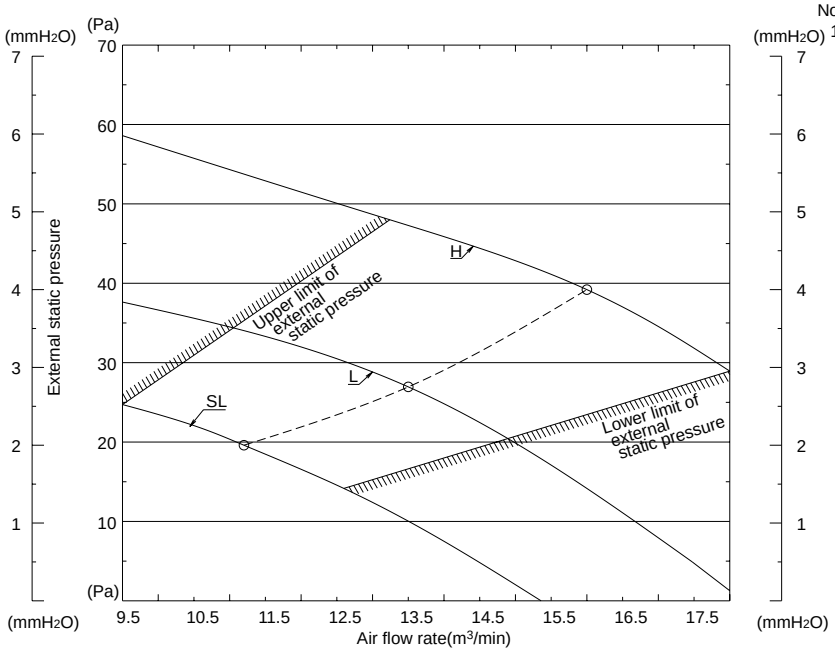
CDXD50CVMA



Notes:
1. The external static pressure indicates the fan characteristics when the air filter is not attached.
Mount the air filter in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

3D045766A

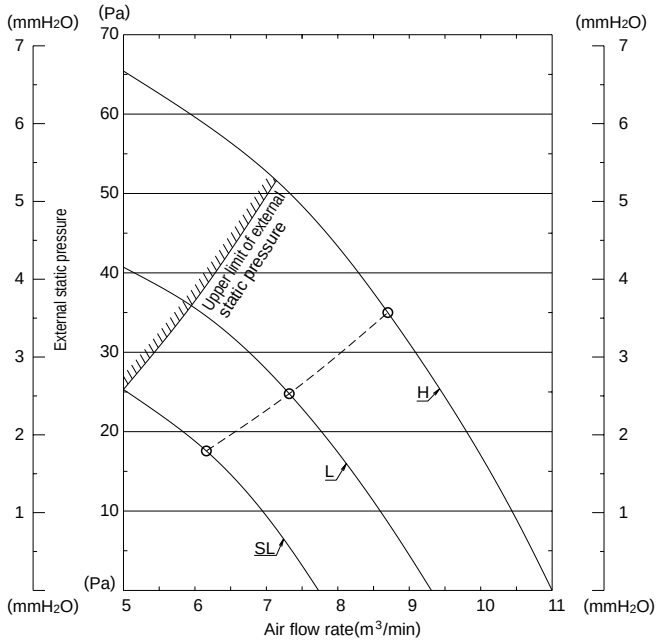
CDXD60CVMA



Notes:
1. The external static pressure indicates the fan characteristics when the air filter is not attached.
Mount the air filter in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

3D045767A

CDXD25EAVMA, CDXD35EAVMA



Notes:
1. The external static pressure indicates the fan characteristics when the air filter is not attached.
   Mount the air filter in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.

3D052183

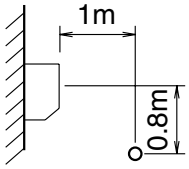
3

10. Sound Level

10.1 Measuring Location

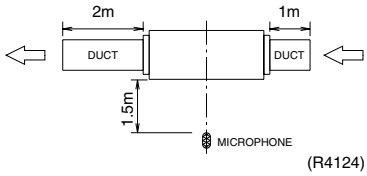
Indoor Units

Wall Mounted Type



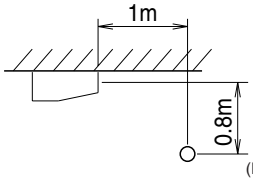
(R1759)

Duct Connected Type



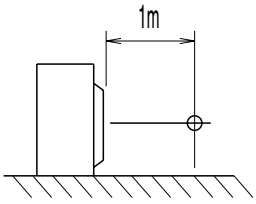
(R4124)

Floor / Ceiling Suspended Dual Type



(R1002)

Outdoor Units



(R1003)

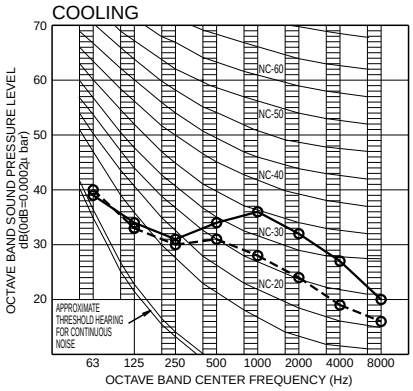
Note: 1. Operation sound is measured in an anechoic chamber.
2. The data are based on the conditions shown in the table below.

Cooling	Heating	Piping Length
Indoor ; 27°CDB/19°CWB Outdoor ; 35°CDB	Indoor ; 20°CDB Outdoor ; 7°CDB/6°CWB	5m

10.2 Octave Band Level

10.2.1 Indoor Units

FTXE25BVMA8



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	37	30

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

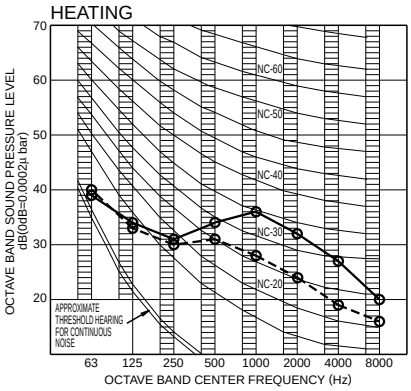
POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	37	30

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

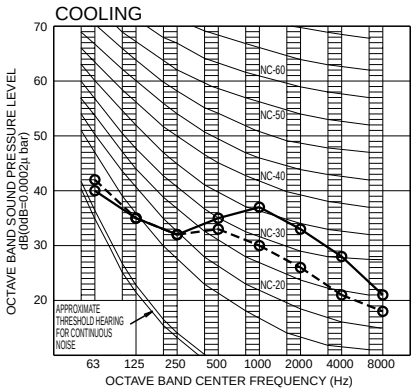
50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Heating

3D020578E

FTXE35BVMA8



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	38	32

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

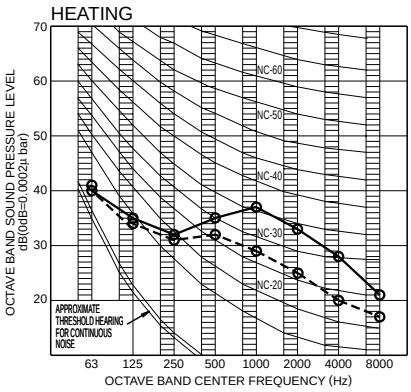
POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	38	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

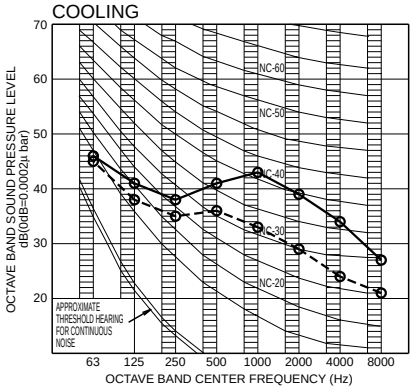
50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Heating

3D020574E

FTXD50FVM



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	44	35

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

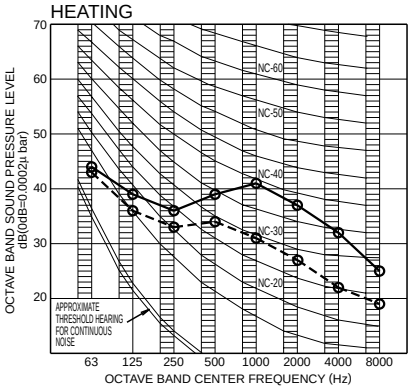
POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	42	33

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

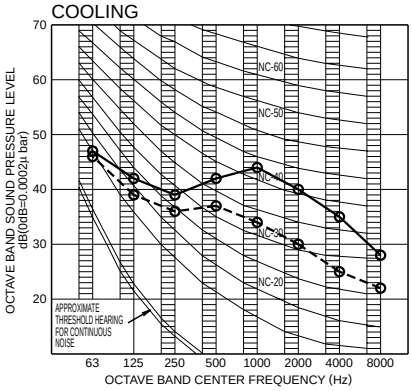
50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Heating

3D054979A

FTXD60FVM



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	45	36

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

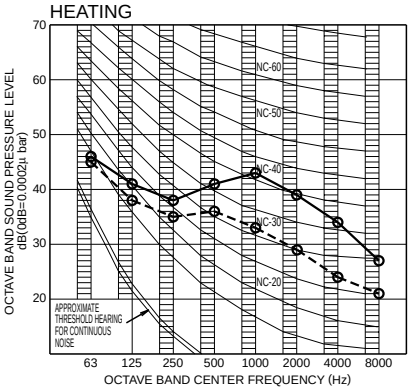
POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	44	35

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

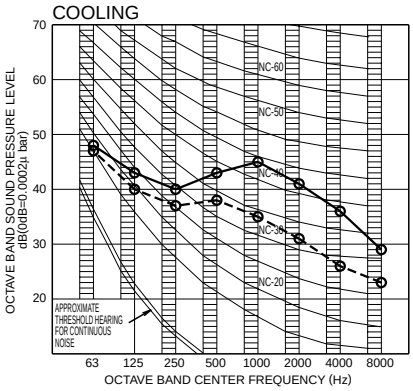
50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Heating

3D040300E

FTXD71FVM



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	46	37

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

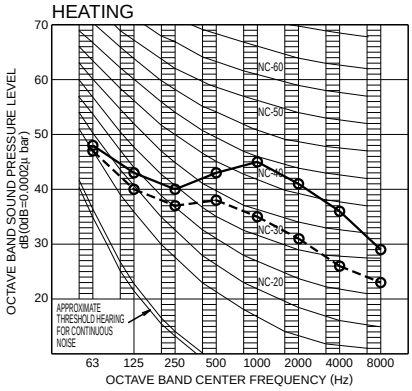
POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	46	37

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

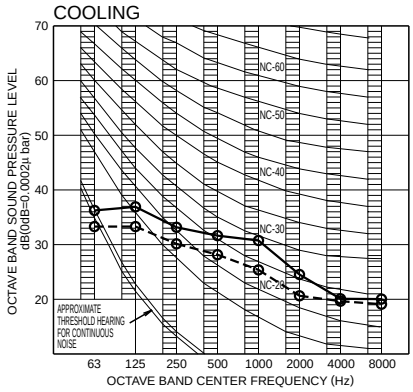
50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Heating

3D040301D

CDXD25CVMA



OVER ALL (dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	35	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

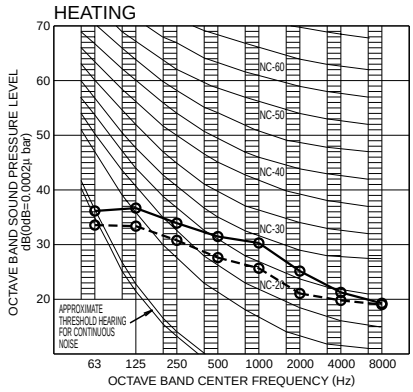
JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	35	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

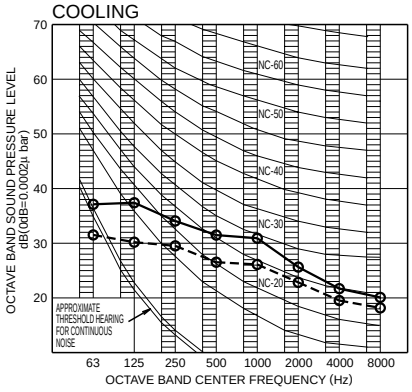
50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Heating

3D046247A

CDXD35CVMA



OVER ALL (dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	35	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

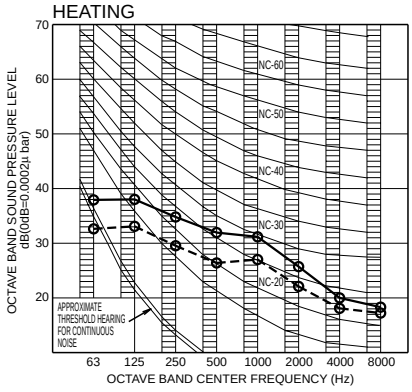
JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	35	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

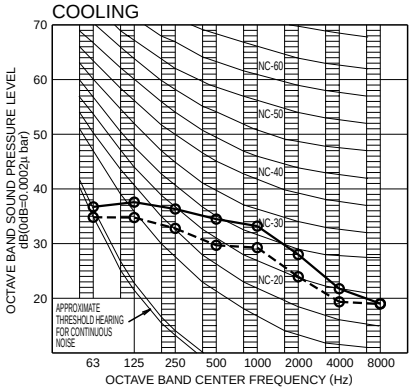
50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Heating

3D046248A

CDXD50CVMA



OVER ALL (dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	37	33

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

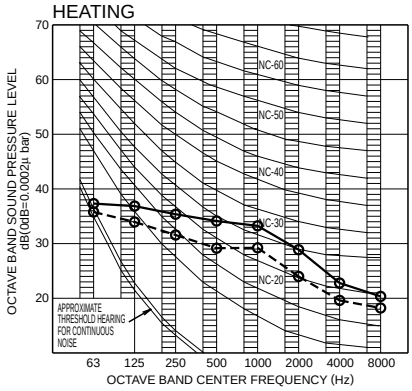
JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	37	33

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

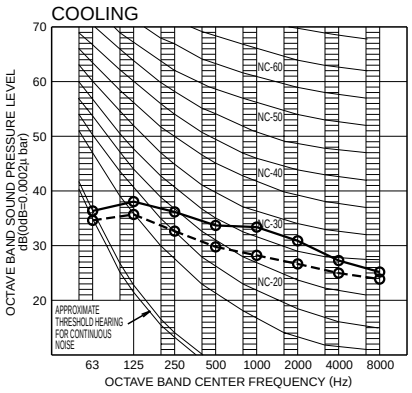
50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Heating

3D046249A

CDXD60CVMA



OVER ALL (dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	38	34

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

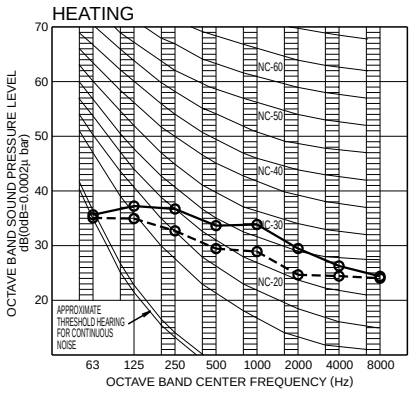
JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50Hz/60Hz 220-240V/220-230V (H)	50Hz/60Hz 220-240V/220-230V (L)
A	38	34

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

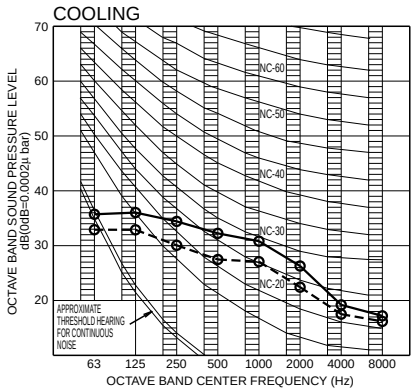
50Hz/60Hz 220-240V/220-230V(H)

50Hz/60Hz 220-240V/220-230V(L)

Heating

3D046250A

CDXD25EAVMA, CDXD35EAVMA



OVER ALL (dB)

SCALE	220-240V/50Hz 220-230V/60Hz (H)	220-240V/50Hz 220-230V/60Hz (L)
A	35	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240V/50Hz, 220-230V/60Hz

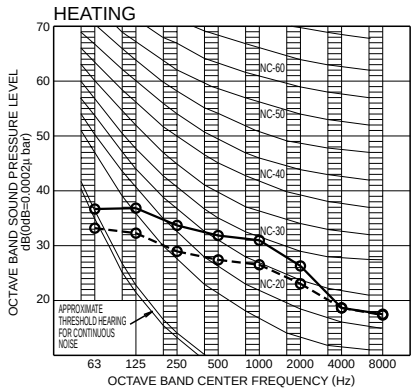
JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

(H) 220-240V/50Hz, 220-230V/60Hz

(L) 220-240V/50Hz, 220-230V/60Hz

Cooling



OVER ALL (dB)

SCALE	220-240V/50Hz 220-230V/60Hz (H)	220-240V/50Hz 220-230V/60Hz (L)
A	35	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240V/50Hz, 220-230V/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

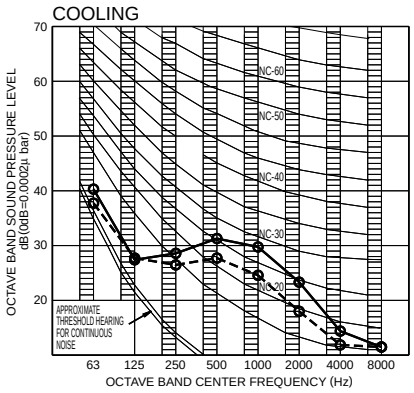
(H) 220-240V/50Hz, 220-230V/60Hz

(L) 220-240V/50Hz, 220-230V/60Hz

Heating

3D052139

FLX25AVMA



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	37	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

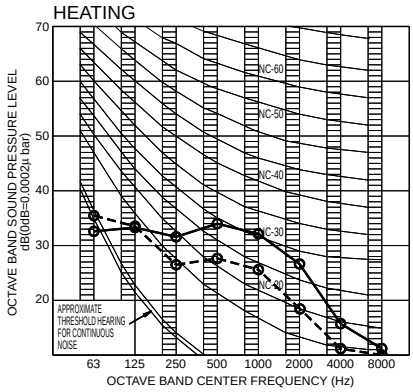
JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	37	31

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

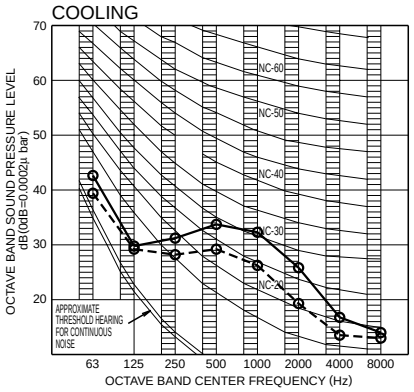
50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Heating

3D024780A

FLX35AVMA



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	38	32

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

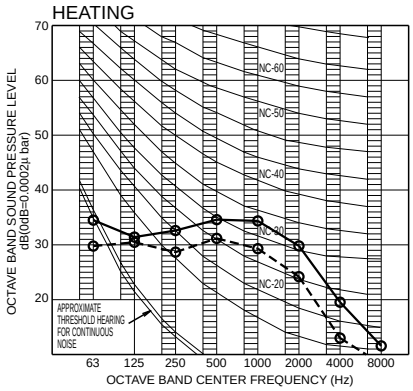
JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	39	33

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

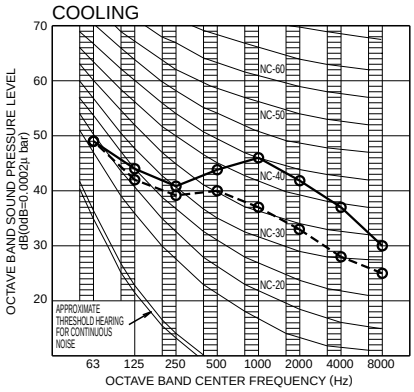
50/60Hz 220-240 /220-230V(H)

50/60Hz 220-240 /220-230vV(L)

Heating

3D024781A

FLX50AVMA8



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	47	39

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

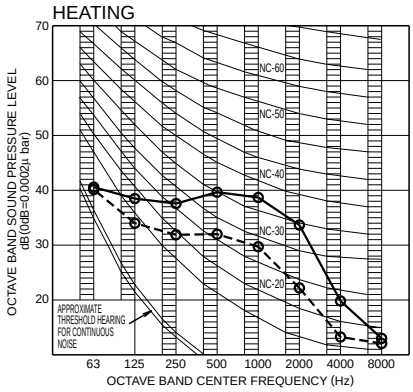
JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	46	35

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

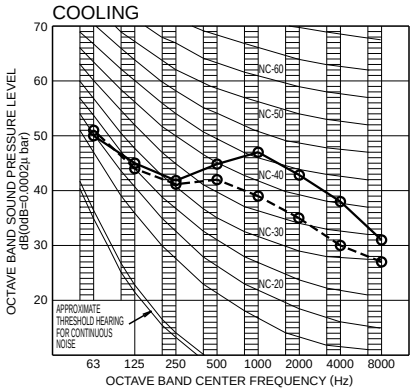
50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Heating

3D027667A

FLX60AVMA8



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	48	41

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

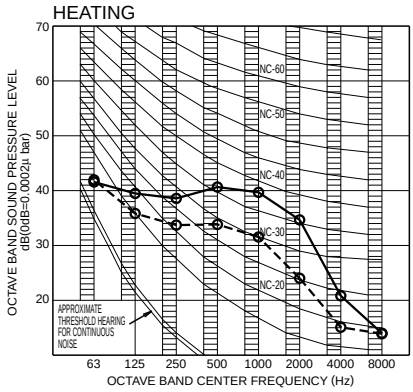
JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

50/60Hz 220-240/220-230V(H)

50/60Hz 220-240/220-230V(L)

Cooling



OVER ALL (dB)

SCALE	50/60Hz 220-240/220-230V (H)	50/60Hz 220-240/220-230V (L)
A	47	37

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD

STANDARD EXTERNAL STATIC PRESSURE

50/60Hz 220-240/220-230V(H)

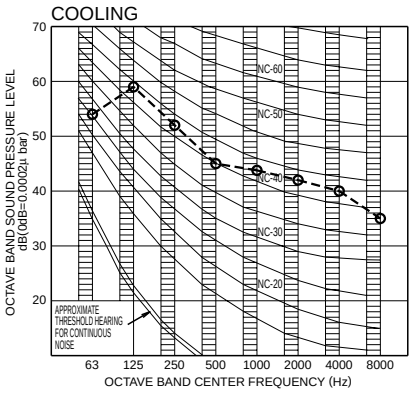
50/60Hz 220-240/220-230V(L)

Heating

3D027668A

10.2.2 Outdoor Units

3MXD68BVMA8



OVER ALL (dB)

SCALE	50Hz 220-240V 60Hz 220-230V
A	48

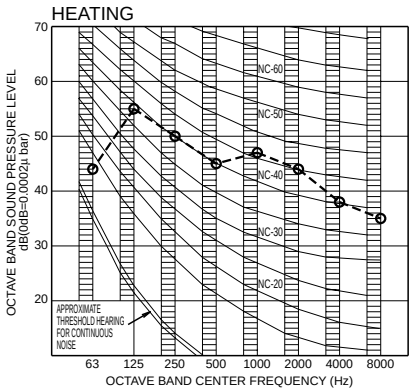
(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD(JISC9612)

Cooling



OVER ALL (dB)

SCALE	50Hz 220-240V 60Hz 220-230V
A	49

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

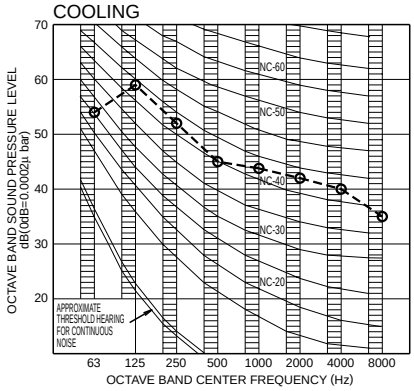
POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD(JISC9612)

Heating

3D034807H

4MXD80BVMA



OVER ALL (dB)

SCALE	50Hz 220-240V 60Hz 220-230V
A	48

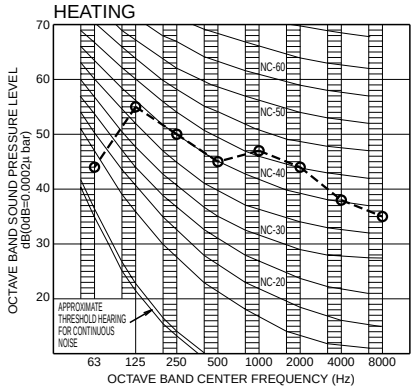
(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD(JISC9612)

Cooling



OVER ALL (dB)

SCALE	50Hz 220-240V 60Hz 220-230V
A	49

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220-240/220-230V 50/60Hz

JIS STANDARD(JISC9612)

Heating

3D034808E

11. Electric Characteristics

11.1 3MXD68BVMA8

Cooling [50/60Hz 220V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	220	198	242	5.4	20	3.4	68	0.41	40	0.23
3.5					7.1		5.6			40	0.23
5.0					8.8		8.1			40	0.23
6.0					13.6		12.2			45	0.25
2.5+2.5					8.9		7.5			80	0.45
2.5+3.5					12.5		10.2			80	0.45
2.5+5.0					10.9		9.2			80	0.45
2.5+6.0					11.6		9.8			85	0.48
3.5+3.5					12.5		10.8			80	0.45
3.5+5.0					11.8		10.0			80	0.45
3.5+6.0					12.7		10.6			85	0.48
5.0+5.0					10.9		9.3			80	0.45
5.0+6.0					10.9		9.7			85	0.48
2.5+2.5+2.5					10.8		8.0			120	0.68
2.5+2.5+3.5					11.1		8.6			120	0.68
2.5+2.5+5.0					10.8		8.4			120	0.68
2.5+2.5+6.0					12.0		9.1			125	0.70
2.5+3.5+3.5					12.3		9.4			120	0.68
2.5+3.5+5.0					12.0		9.1			120	0.68
3.5+3.5+3.5					12.8		9.3			120	0.68

Heating [50/60Hz 220V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	220	198	242	8.0	20	5.7	68	0.41	40	0.23
3.5					9.8		7.3			40	0.23
5.0					12.9		9.2			40	0.23
6.0					15.2		12.0			45	0.25
2.5+2.5					13.9		10.4			80	0.45
2.5+3.5					15.3		11.6			80	0.45
2.5+5.0					14.0		12.6			80	0.45
2.5+6.0					14.3		12.7			85	0.48
3.5+3.5					14.9		12.6			80	0.45
3.5+5.0					14.5		12.8			80	0.45
3.5+6.0					14.4		12.4			85	0.48
5.0+5.0					13.2		10.9			80	0.45
5.0+6.0					13.2		10.6			85	0.48
2.5+2.5+2.5					14.6		12.1			120	0.68
2.5+2.5+3.5					14.6		11.4			120	0.68
2.5+2.5+5.0					13.1		10.6			120	0.68
2.5+2.5+6.0					12.9		10.5			125	0.70
2.5+3.5+3.5					14.6		11.0			120	0.68
2.5+3.5+5.0					13.1		10.4			120	0.68
3.5+3.5+3.5					14.1		10.5			120	0.68

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50 / 60Hz 220V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
   Heating
   Indoor temp.: 20°CDB
   Outdoor temp.: 7°CDB/6°CWB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)

3D039722#3
3D039722#4

Cooling [50Hz 240V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	240	216	264	5.0	20	3.1	68	0.41	40	0.23
3.5					6.5		5.1			40	0.23
5.0					8.1		7.4			40	0.23
6.0					12.5		11.2			45	0.25
2.5+2.5					8.2		6.8			80	0.45
2.5+3.5					11.4		9.3			80	0.45
2.5+5.0					10.0		8.4			80	0.45
2.5+6.0					10.6		9.0			85	0.48
3.5+3.5					11.4		9.9			80	0.45
3.5+5.0					10.8		9.2			80	0.45
3.5+6.0					11.6		9.7			85	0.48
5.0+5.0					10.0		8.5			80	0.45
5.0+6.0					10.0		8.8			85	0.48
2.5+2.5+2.5					9.9		7.3			120	0.68
2.5+2.5+3.5					10.1		7.8			120	0.68
2.5+2.5+5.0					9.9		7.6			120	0.68
2.5+2.5+6.0					11.0		8.3			125	0.70
2.5+3.5+3.5					11.3		8.6			120	0.68
2.5+3.5+5.0					11.0		8.3			120	0.68
3.5+3.5+3.5					11.7		8.5			120	0.68

Heating [50Hz 240V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50	240	216	264	7.4	20	5.2	68	0.41	40	0.23
3.5					9.0		6.7			40	0.23
5.0					11.9		8.4			40	0.23
6.0					14.0		11.0			45	0.25
2.5+2.5					12.8		9.5			80	0.45
2.5+3.5					14.0		10.6			80	0.45
2.5+5.0					12.9		11.6			80	0.45
2.5+6.0					13.1		11.6			85	0.48
3.5+3.5					13.6		11.6			80	0.45
3.5+5.0					13.3		11.7			80	0.45
3.5+6.0					13.2		11.4			85	0.48
5.0+5.0					12.1		10.0			80	0.45
5.0+6.0					12.1		9.7			85	0.48
2.5+2.5+2.5					13.3		11.1			120	0.68
2.5+2.5+3.5					13.3		10.4			120	0.68
2.5+2.5+5.0					12.0		9.7			120	0.68
2.5+2.5+6.0					11.9		9.6			125	0.70
2.5+3.5+3.5					13.3		10.1			120	0.68
2.5+3.5+5.0					12.0		9.5			120	0.68
3.5+3.5+3.5					12.9		9.6			120	0.68

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50Hz 240V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
   Heating
   Indoor temp.: 20°CDB
   Outdoor temp.: 7°CDB/6°CWB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)

3D039722#1
3D039722#2

11.2 4MXD80BVMA

Cooling [50/60Hz 220V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5	50/60	220	198	242	5.4	20	3.3	60	0.55	40	0.23
3.5					7.1		5.6			40	0.23
5.0					10.2		7.4			40	0.23
6.0					12.1		10.2			45	0.25
7.1					14.5		12.6			50	0.28
2.5+2.5					10.5		6.9			80	0.45
2.5+3.5					12.6		9.7			80	0.45
2.5+5.0					12.5		10.9			80	0.45
2.5+6.0					14.4		11.5			85	0.48
2.5+7.1					15.9		12.2			90	0.50
3.5+3.5					14.0		11.3			80	0.45
3.5+5.0					15.2		11.3			80	0.45
3.5+6.0					15.2		11.8			85	0.48
3.5+7.1					16.5		12.6			90	0.50
5.0+5.0					14.9		11.7			80	0.45
5.0+6.0					14.8		12.7			85	0.48
5.0+7.1					15.7		11.9			90	0.50
6.0+6.0					15.2		11.9			90	0.50
6.0+7.1					15.7		11.7			95	0.53
2.5+2.5+2.5					12.7		11.4			120	0.68
2.5+2.5+3.5					14.0		11.4			120	0.68
2.5+2.5+5.0					13.5		11.6			120	0.68
2.5+2.5+6.0					14.6		12.3			125	0.70
2.5+2.5+7.1					15.3		11.5			130	0.73
2.5+3.5+3.5					14.4		11.7			120	0.68
2.5+3.5+5.0					14.6		12.0			120	0.68
2.5+3.5+6.0					14.5		11.7			125	0.70
2.5+3.5+7.1					15.6		11.3			130	0.73
2.5+5.0+5.0					14.8		11.2			120	0.68
2.5+5.0+6.0					14.8		10.9			125	0.70
3.5+3.5+3.5					14.8		12.0			120	0.68
3.5+3.5+5.0					14.9		11.6			120	0.68
3.5+3.5+6.0					14.9		11.4			125	0.70
3.5+5.0+5.0					15.1		11.0			120	0.68
2.5+2.5+2.5+2.5					13.4		11.4			160	0.90
2.5+2.5+2.5+3.5					14.1		12.0			160	0.90
2.5+2.5+2.5+5.0					14.9		11.2			160	0.90
2.5+2.5+2.5+6.0					15.2		10.4			165	0.93
2.5+2.5+3.5+3.5					15.5		11.1			160	0.90
2.5+2.5+3.5+5.0					15.1		10.4			160	0.90
2.5+3.5+3.5+3.5					15.9		10.6			160	0.90

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50 / 60Hz 220V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
   Heating
   Indoor temp.: 20°CDB
   Outdoor temp.: 7°CDB/6°CWB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)

3D039723#3

Heating [50/60Hz 220V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5					9.3		5.6			40	0.23
3.5					9.8		7.2			40	0.23
5.0					13.5		7.3			38	0.21
6.0					15.1		9.8			45	0.25
7.1					16.8		12.4			50	0.28
2.5+2.5					15.8		8.4			80	0.45
2.5+3.5					15.9		9.6			80	0.45
2.5+5.0					15.9		11.0			78	0.44
2.5+6.0					15.9		11.6			85	0.48
2.5+7.1					15.1		11.6			90	0.50
3.5+3.5					16.5		11.3			80	0.45
3.5+5.0					16.0		11.6			78	0.44
3.5+6.0					15.0		11.6			85	0.48
3.5+7.1					14.5		11.7			90	0.50
5.0+5.0					15.2		11.7			76	0.43
5.0+6.0					14.6		11.8			83	0.46
5.0+7.1					14.3		11.5			88	0.49
6.0+6.0					14.3		11.5			90	0.50
6.0+7.1					14.3		11.3			95	0.53
2.5+2.5+2.5					15.7		10.5			120	0.68
2.5+2.5+3.5	50/60	220	198	242	15.9	20	11.4	60	0.55	120	0.68
2.5+2.5+5.0					15.3		11.4			118	0.66
2.5+2.5+6.0					14.4		11.4			125	0.70
2.5+2.5+7.1					14.4		11.1			130	0.73
2.5+3.5+3.5					15.2		11.4			120	0.68
2.5+3.5+5.0					14.5		11.4			118	0.66
2.5+3.5+6.0					14.2		11.1			125	0.70
2.5+3.5+7.1					13.7		10.8			130	0.73
2.5+5.0+5.0					14.5		11.0			116	0.65
2.5+5.0+6.0					14.0		10.7			123	0.69
3.5+3.5+3.5					14.5		11.4			120	0.68
3.5+3.5+5.0					14.3		11.2			118	0.66
3.5+3.5+6.0					13.8		10.9			125	0.70
3.5+5.0+5.0					13.8		10.7			116	0.65
2.5+2.5+2.5+2.5					14.4		10.3			160	0.90
2.5+2.5+2.5+3.5					13.9		10.6			160	0.90
2.5+2.5+2.5+5.0					14.0		10.4			158	0.89
2.5+2.5+2.5+6.0					13.8		10.3			165	0.93
2.5+2.5+3.5+3.5					13.8		10.4			160	0.90
2.5+2.5+3.5+5.0					13.7		10.3			158	0.89
2.5+3.5+3.5+3.5					13.7		10.3			160	0.90

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50 / 60Hz 220V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
   Heating
   Indoor temp.: 20°CDB
   Outdoor temp.: 7°CDB/6°CWB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)

3D039723#4

Cooling [50Hz 240V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5					5.0		3.0			40	0.23
3.5					6.5		5.1			40	0.23
5.0					9.3		6.8			40	0.23
6.0					11.1		9.3			45	0.25
7.1					13.3		11.6			50	0.28
2.5+2.5					9.6		6.3			80	0.45
2.5+3.5					11.6		8.8			80	0.45
2.5+5.0					11.5		10.0			80	0.45
2.5+6.0					13.2		10.5			85	0.48
2.5+7.1					14.6		11.1			90	0.50
3.5+3.5					12.9		10.3			80	0.45
3.5+5.0					13.9		10.4			80	0.45
3.5+6.0					13.9		10.8			85	0.48
3.5+7.1					15.2		11.5			90	0.50
5.0+5.0					13.6		10.7			80	0.45
5.0+6.0					13.6		11.6			85	0.48
5.0+7.1					14.4		10.8			90	0.50
6.0+6.0					13.9		10.9			90	0.50
6.0+7.1					14.4		10.7			95	0.53
2.5+2.5+2.5					11.6		10.4			120	0.68
2.5+2.5+3.5	50	240	216	264	12.9	20	10.4	60	0.55	120	0.68
2.5+2.5+5.0					12.4		10.6			120	0.68
2.5+2.5+6.0					13.3		11.2			125	0.70
2.5+2.5+7.1					14.1		10.5			130	0.73
2.5+3.5+3.5					13.2		10.7			120	0.68
2.5+3.5+5.0					13.3		10.9			120	0.68
2.5+3.5+6.0					13.3		10.6			125	0.70
2.5+3.5+7.1					14.3		10.3			130	0.73
2.5+5.0+5.0					13.6		10.2			120	0.68
2.5+5.0+6.0					13.6		9.9			125	0.70
3.5+3.5+3.5					13.6		11.0			120	0.68
3.5+3.5+5.0					13.6		10.6			120	0.68
3.5+3.5+6.0					13.6		10.4			125	0.70
3.5+5.0+5.0					13.8		10.0			120	0.68
2.5+2.5+2.5+2.5					12.2		10.3			160	0.90
2.5+2.5+2.5+3.5					13.0		11.0			160	0.90
2.5+2.5+2.5+5.0					13.7		10.2			160	0.90
2.5+2.5+2.5+6.0					13.9		9.5			165	0.93
2.5+2.5+3.5+3.5					14.2		10.1			160	0.90
2.5+2.5+3.5+5.0					13.8		9.5			160	0.90
2.5+3.5+3.5+3.5					14.6		9.7			160	0.90

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50Hz 240V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
   Heating
   Indoor temp.: 20°CDB
   Outdoor temp.: 7°CDB/6°CWB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)

3D039723#1

Heating [50Hz 240V]

Combination	Units				Power Supply		Comp.	OFM		IFM	
	Hz	Volts	Min.	Max.	MCA	MFA	RLA	W	FLA	W	FLA
2.5					8.5		5.1			40	0.23
3.5					9.0		6.6			40	0.23
5.0					12.3		6.6			38	0.21
6.0					13.8		8.9			45	0.25
7.1					15.4		11.3			50	0.28
2.5+2.5					14.5		7.6			80	0.45
2.5+3.5					14.6		8.7			80	0.45
2.5+5.0					14.6		10.0			78	0.44
2.5+6.0					14.6		10.6			85	0.48
2.5+7.1					13.8		10.6			90	0.50
3.5+3.5					15.1		10.3			80	0.45
3.5+5.0					14.6		10.6			78	0.44
3.5+6.0					13.8		10.6			85	0.48
3.5+7.1					13.3		10.7			90	0.50
5.0+5.0					13.9		10.7			76	0.43
5.0+6.0					13.3		10.7			83	0.46
5.0+7.1					13.1		10.5			88	0.49
6.0+6.0					13.1		10.5			90	0.50
6.0+7.1					13.1		10.3			95	0.53
2.5+2.5+2.5					14.4		9.6			120	0.68
2.5+2.5+3.5	50	240	216	264	14.6	20	10.4	60	0.55	120	0.68
2.5+2.5+5.0					14.1		10.4			118	0.66
2.5+2.5+6.0					13.2		10.4			125	0.70
2.5+2.5+7.1					13.2		10.1			130	0.73
2.5+3.5+3.5					14.0		10.4			120	0.68
2.5+3.5+5.0					13.3		10.4			118	0.66
2.5+3.5+6.0					13.0		10.2			125	0.70
2.5+3.5+7.1					12.6		9.8			130	0.73
2.5+5.0+5.0					13.3		10.0			116	0.65
2.5+5.0+6.0					12.8		9.8			123	0.69
3.5+3.5+3.5					13.3		10.4			120	0.68
3.5+3.5+5.0					13.1		10.2			118	0.66
3.5+3.5+6.0					12.7		9.9			125	0.70
3.5+5.0+5.0					12.7		9.8			116	0.65
2.5+2.5+2.5+2.5					13.2		9.4			160	0.90
2.5+2.5+2.5+3.5					12.7		9.6			160	0.90
2.5+2.5+2.5+5.0					12.9		9.5			158	0.89
2.5+2.5+2.5+6.0					12.7		9.4			165	0.93
2.5+2.5+3.5+3.5					12.6		9.5			160	0.90
2.5+2.5+3.5+5.0					12.5		9.4			158	0.89
2.5+3.5+3.5+3.5					12.6		9.4			160	0.90

SYMBOLS:

MCA : MIN. CIRCUIT AMPS (A)
MFA : MAX. FUSE AMPS (A)
RLA : RATED LOAD AMPS (A)
OFM : OUTDOOR FAN MOTOR
IFM : INDOOR FAN MOTOR
FLA : FULL LOAD AMPS (A)
W : FAN MOTOR RATED OUTPUT (W)

NOTE:

1. RLA is based on the following conditions.
   Power Supply: 50Hz 240V
   Cooling
   Indoor temp.: 27°CDB/19°CWB
   Outdoor temp.: 35°CDB.
   Heating
   Indoor temp.: 20°CDB
   Outdoor temp.: 7°CDB/6°CWB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the value of MCA.
4. Instead of fuse, use circuit breaker.
5. Be sure to install an earth leak detector. (One that can handle higher harmonics.)
   (This unit uses an inverter, which means that it must be used an earth leak detector capable handling high harmonics in order to prevent malfunctioning of the earth leak detector itself.)

3D039723#2

Part 4
Installation Manual

1. Indoor Units

1.1 Safety Precautions

SAFETY PRECAUTIONS

- Read these SAFETY PRECAUTIONS carefully to ensure correct installation.
- This manual classifies the precautions into WARNINGS and CAUTIONS.
  Be sure to follow all the precautions below: they are all important for ensuring safety.

⚠ WARNINGS	Failure to follow any of WARNING is likely to result in such grave consequences as death or serious injury.
⚠ CAUTIONS	Failure to follow any of CAUTION may in some cases result in grave consequences.

- The following safety symbols are used throughout this manual:

❗	Be sure to observe this instruction.	⏚	Be sure to establish an earth connection.	⃠	Never attempt.

- After completing installation, test the unit to check for installation errors. Give the user adequate instructions concerning the use and cleaning of the unit according to the Operation Manual.

⚠ WARNINGS

- Installation should be left to the dealer or another professional. Improper installation may cause water leakage, electrical shock, or fire.
- Install the air conditioner according to the instructions given in this manual. Incomplete installation may cause water leakage, electrical shock, or fire.
- Be sure to use the supplied or specified installation parts. Use of other parts may cause the unit to come to lose, water leakage, electrical shock, or fire.
- Install the air conditioner on a solid base that can support the units weight.
  An inadequate base or incomplete installation may cause injury in the event the unit falls off the base.
- Electrical work should be carried out in accordance with the installation manual and the national electrical wiring rules or code of practice. Insufficient capacity or incomplete electrical work may cause electrical shock or fire.
- Be sure to use a dedicated power circuit. Never use a power supply shared by another appliance.
- For wiring, use a cable long enough to cover the entire distance with no connection.
  Do not use an extension cord. Do not put other loads on the power supply, use a dedicated power circuit.
  (Failure to do so may cause abnormal heat, electric shock or fire.)
- Use the specified types of wires for electrical connections between the indoor and outdoor units.
  Firmly clamp the interconnecting wires so their terminals receive no external stresses. Incomplete connections or clamping may cause terminal overheating or fire.
- After connecting interconnecting and supply wiring be sure to shape the cables so that they do not put undue force on the electrical covers or panels. Install covers over the wires. Incomplete cover installation may cause terminal overheating, electrical shock, or fire.
- When installing or relocating the system, be sure to keep the refrigerant circuit free from substances other than the specified refrigerant (R22), such as air. (Any presence of air or other foreign substance in the refrigerant circuit causes an abnormal pressure rise or rupture, resulting in injury.)
- If any refrigerant has leaked out during the installation work, ventilate the room. ❗
  (The refrigerant produces a toxic gas if exposed to flames.)
- After all installation is complete, check to make sure that no refrigerant is leaking out. ❗
  (The refrigerant produces a toxic gas if exposed to flames.)
- During pump-down, stop the compressor before removing the refrigerant piping. If the compressor is still running and the shut-off valve is open during pump-down, air will be sucked in when the refrigerant piping is removed, causing abnormal pressure in the freezer cycle which will lead to breakage and even injury.
- During installation, attach the refrigerant piping securely before running the compressor. If the compressor is not attached and the shut-off valve is open during pump-down, air will be sucked in when the compressor is run, causing abnormal pressure in the freezer cycle which will lead to breakage and even injury.
- When carrying out piping connection, take care not to let air substances other than the specified refrigerant go into refrigeration cycle. Otherwise, it will cause lower capacity, abnormal high pressure in the refrigeration cycle, explosion and injury.
- Be sure to establish an earth. Do not earth the unit to a utility pipe, arrester, or telephone earth. ⏚
  Incomplete earth may cause electrical shock, or fire. A high surge current from lightning or other sources may cause damage to the air conditioner.
- Be sure to install an earth leakage breaker. Failure to install an earth leakage breaker may result in electric shocks, or fire.

⚠ CAUTIONS

- Do not install the air conditioner in a place where there is danger of exposure to inflammable gas leakage. ⃠
  If the gas leaks and builds up around the unit, it may catch fire.
- Establish drain piping according to the instructions of this manual. Inadequate piping may cause flooding.
- Tighten the flare nut according to the specified method such as with a torque wrench.
  If the flare nut is tightened too hard, the flare nut may crack after a long time and cause refrigerant leakage.

1.2 Wall Mounted Type FTKD 25/35 D

Accessories

Ⓐ Mounting plate	1	Ⓔ Remote controller holder	1	Ⓙ Insulation tape	1
Ⓑ Mounting platefixing screws M4 × 25L	6	Ⓕ Fixing screws for remote controller holder M3 × 20L	2	Ⓚ Operation manual	1
Ⓒ Air-purifying filter	1	Ⓖ AAA dry-cell batteries	2	Ⓛ Installation manual	1
Ⓓ Wireless remote controller	1	Ⓗ Indoor unit fixing screws M4 × 12L	2	Ⓜ Photocatalytic deodorizing filter	1

Choosing an Installation Site

• Before choosing the installation site, obtain user approval.

1. Indoor unit.

• The indoor unit should be sited in a place where:

1) the restrictions on installation specified in the indoor unit installation drawings are met,
2) both air intake and exhaust have clear paths met,
3) the unit is not in the path of direct sunlight,
4) the unit is away from the source of heat or steam,
5) there is no source of machine oil vapour (this may shorten indoor unit life),
6) cool air is circulated throughout the room,
7) the unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote controller range,
8) the unit is at least 1 metre away from any television or radio set (unit may cause interference with the picture or sound).
9) install at the recommended height (1.8m).

2. Wireless remote controller.

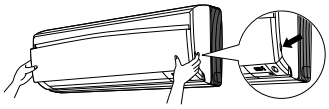
1) Turn on all the fluorescent lamps in the room, if any, and find the site where remote control signals are properly received by the indoor unit (within 7 metres).

Installation Tips

1. Removing and installing front panel.

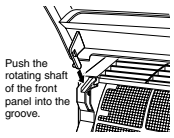
• **Removal method**

Hook fingers on the panel protrusions on the left and right of the main body, and open until the panel stops. Slide the front panel sideways to disengage the rotating shaft. Then pull the front panel toward you to remove it.



• **Installation method**

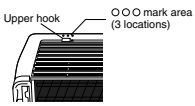
Align the tabs of the front panel with the grooves, and push all the way in. Then close slowly. Push the center of the lower surface of the panel firmly to engage the tabs.

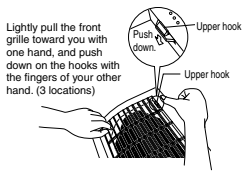


2. Removing and installing front grille.

• **Removal method**

1) Remove front panel to remove the air filter.
2) Remove the front grille.
3) In front of the ○○○ mark of the front grille, there are 3 upper hooks. Lightly pull the front grille toward you with one hand, and push down on the hooks with the fingers of your other hand.



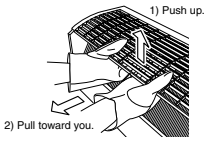


<When there is no work space because the unit is close to ceiling>

⚠ Caution

Be sure to wear protection gloves.

Place both hands under the center of the front grille, and while pushing up, pull it toward you.



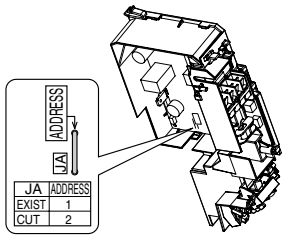
• **Installation method**

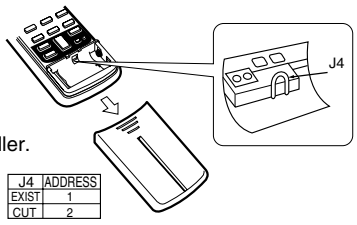
1) Install the front grille and firmly engage the upper hooks (3 locations).
2) Install 2screws of the front grille.
3) Install the air filter and then mount the front panel.

3. How to set the different addresses.

When two indoor units are installed in one room, the two wireless remote controllers can be set for different addresses.

1) In the same way as when connecting to an HA system, remove the metal plate electrical wiring cover.
2) Cut the address jumper (JA) on the pindted circuit board.
3) Cut the address jumper (J4) in the remote controller.

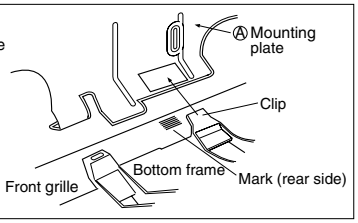


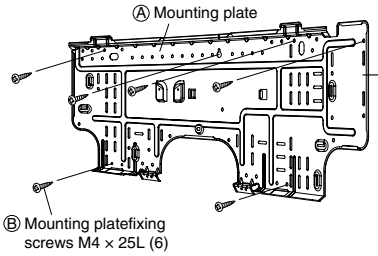


Indoor Unit Installation Drawings

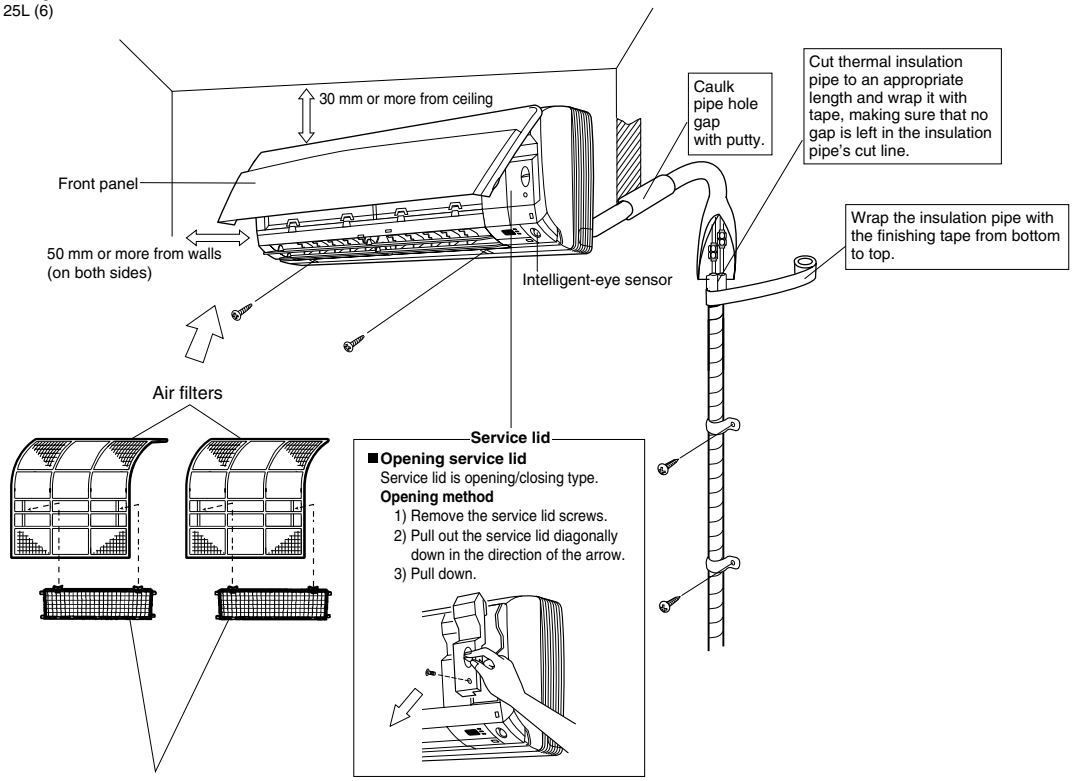
■ **How to attach the indoor unit.**
Hook the claws of the bottom frame to the mounting plate.
If the claws are difficult to hook, remove the front grille.

■ **How to remove the indoor unit.**
Push up the marked area (at the lower part of the front grille) to release the claws. If it is difficult to release, remove the front grille.



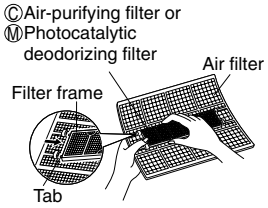


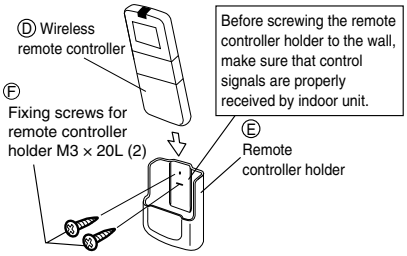
The mounting plate should be installed on a wall which can support the weight of the indoor unit.



Ⓒ Air-purifying filters or Ⓜ Photocatalytic deodorizing filter

Install air-purifying filter or photocatalytic deodorizing filter on air filter





Before screwing the remote controller holder to the wall, make sure that control signals are properly received by indoor unit.

Intelligent-eye Sensor

⚠ **Caution**

1) Do not hit or violently push the intelligent-eye sensor. This can lead to damage and malfunction.
2) Do not place large objects near the sensor. Also keep heating units or humidifiers outside the sensor's detection area.

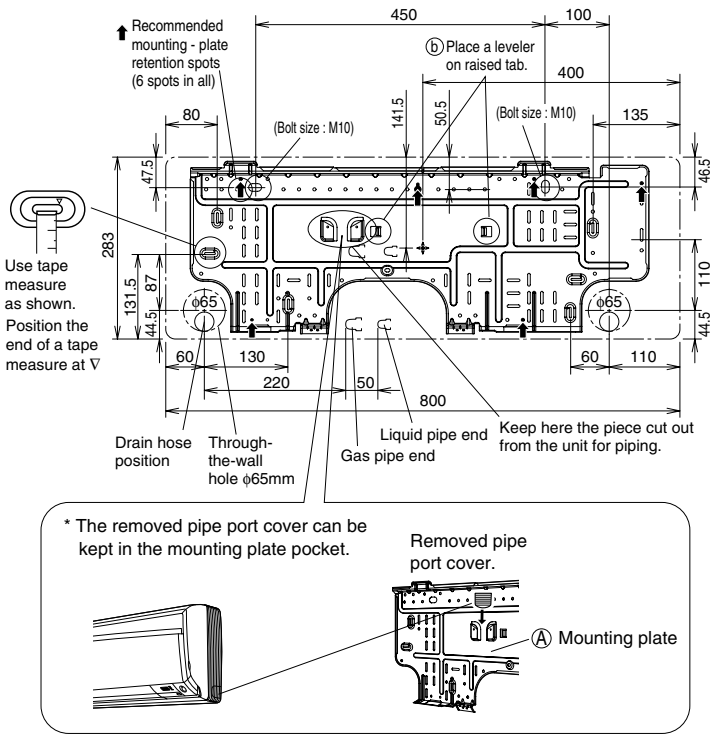
Indoor Unit Installation

1. Installing the mounting plate.

- The mounting plate should be installed on a wall which can support the weight of the indoor unit.

1) Temporarily secure the mounting plate to the wall, make sure that the panel is completely level, and mark the boring points on the wall.
2) Secure the mounting plate to the wall with screws.

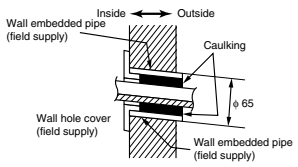
Recommended mounting-plate retention spots and dimensions



2. Boring a wall hole and installing wall embedded pipe.

- For walls containing metal frame or metal board, be sure to use a wall embedded pipe and wall cover in the feed-through hole to prevent possible heat, electrical shock, or fire.
- Be sure to caulk the gaps around the pipes with caulking material to prevent water leakage.

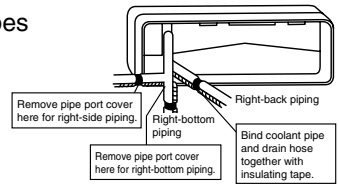
1) Bore a feed-through hole of 65 mm in the wall so it has a down slope toward the outside.
2) Insert a wall pipe into the hole.
3) Insert a wall cover into wall pipe.
4) After completing refrigerant piping, wiring, and drain piping, caulk pipe hole gap with putty.



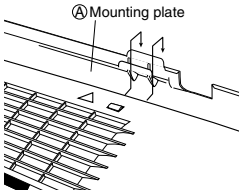
3. Installing indoor unit.

3-1. Right-side, right-back, or right-bottom piping.

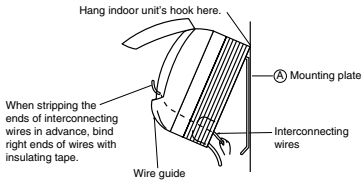
1) Attach the drain hose to the underside of the refrigerant pipes with an adhesive vinyl tape.
2) Wrap the refrigerant pipes and drain hose together with an insulation tape.



3) Pass the drain hose and refrigerant pipes through the wall hole, then set the indoor unit on the mounting plate hooks by using the △ markings at the top of the indoor unit as a guide.



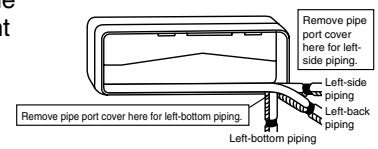
4) Open the front panel, then open the service lid. (Refer to Installation tips)
5) Pass the interconnecting wires from the outdoor unit through the feed-through wall hole and then through the back of the indoor unit. Pull them through the front side.
   Bend the ends of tie wires upward for easier work in advance. (If the interconnecting wire ends are to be stripped first, bundle wire ends with adhesive tape.)



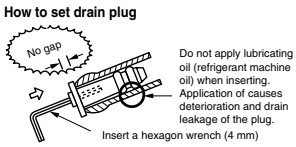
6) Press the bottom frame of the indoor unit with both hands to set it on the mounting plate hooks. Make sure that the wires do not catch on the edge of the indoor unit.

3-2. Left-side, left-back, or left bottom piping.

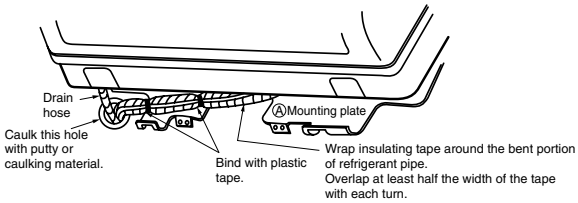
1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.



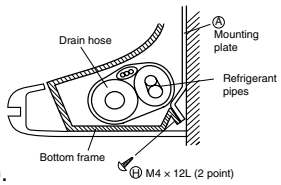
2) Be sure to connect the drain hose to the drain port in place of a drain plug.



3) Shape the refrigerant pipe along the pipe path marking on the mounting plate.
4) Pass drain hose and refrigerant pipes through the wall hole, then set the indoor unit on mounting plate hooks, using the △ markings at the top of indoor unit as a guide.



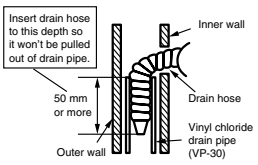
5) Pull in the interconnecting wires.
6) Connect the inter-unit piping.
7) Wrap the refrigerant pipes and drain hose together with insulation tape as right figure, in case of setting the drain hose through the back of the indoor unit.
8) While exercising care so that the interconnecting wires do not catch indoor unit, press the bottom edge of indoor unit with both hands until it is firmly caught by the mounting plate hooks. Secure indoor unit to the mounting plate with the screws (M4 × 12L).



3-3. Wall embedded piping.
Follow the instructions given under.

Left-side, left-back, or left bottom piping

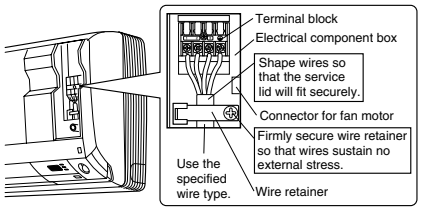
1) Insert the drain hose to this depth so it won't be pulled out of the drain pipe.



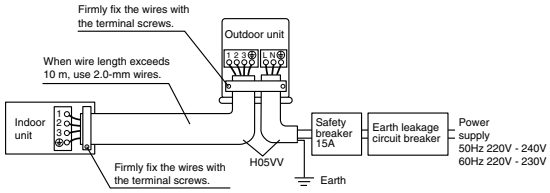
4. Wiring.

With a Multi indoor unit, install as described in the installation manual supplied with the Multi outdoor unit.

1) Strip wire ends (15 mm).
2) Match wire colours with terminal numbers on indoor and outdoor unit's terminal blocks and firmly screw wires to the corresponding terminals.
3) Connect the earth wires to the corresponding terminals.
Attach the earth wire so that it is not connected to the fan motor connector.



4) Pull wires to make sure that they are securely latched up, then retain wires with wire retainer.
5) In case of connecting to an adapter system. Run the remote control cable and attach the S21. (Refer to 5. When connecting to an HA system.)
6) Shape the wires so that the service lid fits securely, then close service lid.

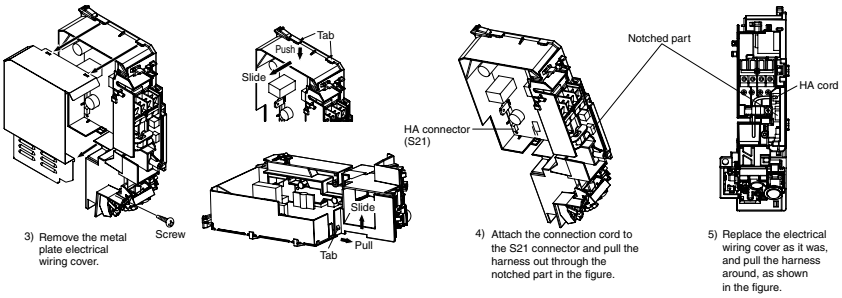


⚠ Warning

1) Do not use tapped wires, stand wires, extensioncords, or starbust connections, as they may cause overtheating, electrical shock,or fire.
2) Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc., from the terminal block.) Doing so may cause electric shock or fire.

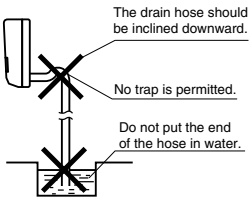
5. When connecting to an HA system.

1) Remove the front grille. (2 screws)
2) Remove the electrical wiring box. (1 screw)
3) Remove the metal plate electrical wiring cover. (3 tabs)
4) Attach the connection cord to the S21 connector and pull the harness out through the notched part in the figure.
5) Replace the electrical wiring cover as it was, and pull the harness around, as shown in the figure.

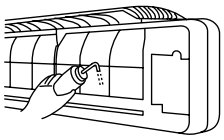


6. Drain piping.

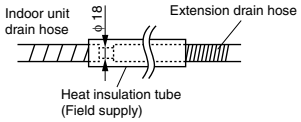
1) Connect the drain hose, as described below.



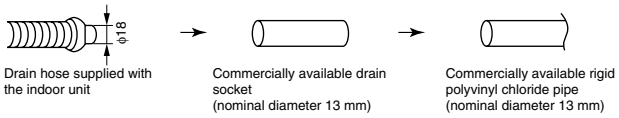
2) Remove the air filters and pour some water into the drain pan to check the water flows smoothly.



3) When drain hose requires extension, obtain an extension hose commercially available.
Be sure to thermally insulate the indoor section of the extension hose.



4) When connecting a rigid polyvinyl chloride pipe (nominal diameter 13 mm) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 13 mm) as a joint.

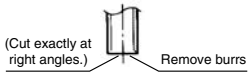


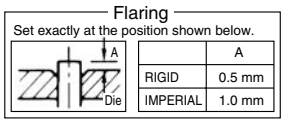
Refrigerant Piping Work

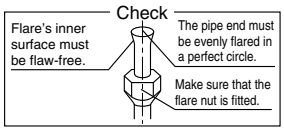
With a Multi indoor unit , install as described in the installation manual supplied with the Multi outdoor unit.

1. Flaring the pipe end.

1) Cut the pipe end with a pipe cutter.
2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
3) Put the flare nut on the pipe.
4) Flare the pipe.
5) Check that the flaring is properly made.







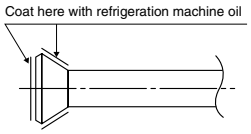
⚠ Warning

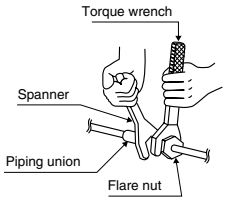
1) Incomplete flaring may cause refrigerant gas leakage.

2. Refrigerant piping.

1) Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
   - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.

Flare nut tightening torque		
Gas side		Liquid side
3/8 inch	1/2 inch	1/4 inch
32.7-39.9N • m (330-407kgf • cm)	49.5-60.3N • m (505-615kgf • cm)	14.2-17.2N • m (144-175kgf • cm)

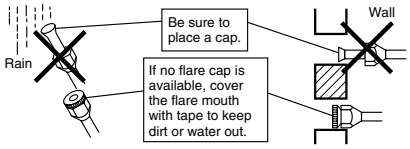




2) To prevent gas leakage, apply refrigeration machine oil on both inner and outer surfaces of the flare.

2-1. Caution on piping handling.

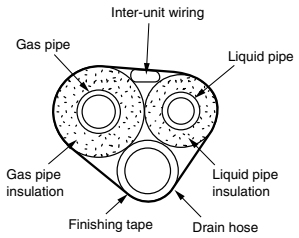
1) Protect the open end of the pipe against dust and moisture.
2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.
   (Bending radius should be 30 to 40 mm or larger.)



2-2. Selection of copper and heat insulation materials.

- When using commercial copper pipes and fittings, observe the following:

1) Insulation material: Polyethylene foam
   Heat transfer rate: 0.041 to 0.052 kW/mK (0.035 to 0.045 kcal/(mh •°C))
   Refrigerant gas pipe's surface temperature reaches 110°C max.
   Choose heat insulation materials that will withstand this temperature.
2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.



Gas side		Liquid side	Gas pipe thermal insulation		Liquid pipe thermal insulation
25 class	35 class		25 class	35 class	
O.D. 9.5mm	O.D. 12.7mm	O.D. 6.4mm	I.D. 12-15mm	I.D. 14-16mm	I.D. 8-10mm
Thickness 0.8mm		Thickness 0.8mm	Thickness 10mm Min.		

3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

Trial Operation and Testing

1. Trial operation and testing.

1-1 Measure the supply voltage and make sure that it falls in the specified range.

1-2 Trial operation should be carried out in cooling mode.

- Select the lowest programmable temperature.
  1) Trial operation in cooling mode may be disabled depending on the room temperature. Use the remote controller for trial operation as described below.
  2) After trial operation is complete, set the temperature to a normal level (26ºC to 28ºC).
  3) For protection, the system disables restart operation for 3 minutes after it is turned off.

1-3 Carry out the test operation in accordance with the operation manual to ensure that all functions and parts, such as louver movement, are working properly.

- The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
- If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

Trial operation from remote controller.

1) Press ON/OFF button to turn on the system.
2) Simultaneously press centre of TEMP button and MODE button.
3) Press MODE button twice.
   (“ 7 ” will appear on the display to indicate that Trial Operation mode is selected.)
4) Trial run mode terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press ON/OFF button.

2. Test items.

Test items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Draining line is properly installed.	Water leakage	
System is properly earthed.	Electrical leakage	
The specified wires are used for interconnecting wire connections.	Inoperative or burn damage	
Indoor or outdoor unit’s air intake or exhaust has clear path of air. Shut-off valves are opened.	Incomplete cooling function	
Indoor unit properly receives remote controller commands.	Inoperative	

3P142640-5H

1.3 Wall Mounted Type FTXE 25/35 B

Accessories

Ⓐ Mounting plate	1	Ⓕ Fixing screws for remote controller holder M3 X 20L	2	Ⓛ Installation manuals	2
Ⓑ Mounting plate fixing screws M4 X 25L	6	Ⓖ AAA dry-cell batteries	2	Ⓜ Photocatalytic deodorizing filter	1
Ⓒ Air purifying filter	1	Ⓗ Indoor unit fixing screws M4 X 12L	2		
Ⓓ Wireless remote controller	1	Ⓙ Insulation tape	1		
Ⓔ Remote controller holder	1	Ⓚ Operation manual	1		

Choosing a Site

• Before choosing the installation site, obtain user approval.

1. Indoor unit

- The indoor unit should be sited in a place where:

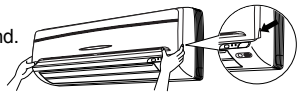
1) the restrictions on installation specified in the indoor unit installation drawings are met,
2) both air intake and exhaust have clear paths met,
3) the unit is not in the path of direct sunlight,
4) the unit is away from the source of heat or steam,
5) there is no source of machine oil vapour (this may shorten indoor unit life),
6) cool air is circulated throughout the room,
7) the unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote control range,
8) the unit is at least 1 metre away from any television or radio set (unit may cause interference with the picture or sound).

2. Wireless Remote Controller

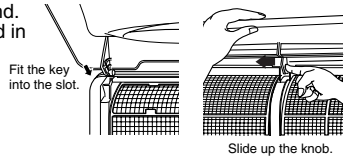
1) Turn on all the fluorescent lamps in the room, if any, and find the site where remote control signals are properly received by the indoor unit (within 7 metres).

Installation Tips

1. How to remove the front grille.
1) Hold the grille by the tabs on the two sides and lift it until it stops with a click.
2) Supporting the front grille with one hand, release the lock by sliding down the knob with the other hand.
3) To remove the front grille, pull it toward yourself with both hands.

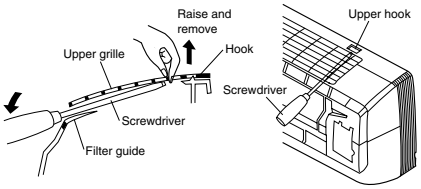


2. How to attach the front grille.
1) Set the 3 keys of the front grille into the slots and push them in all the way.
2) Supporting the front grille with one hand, fit the lock by sliding up the knob with the other hand.
3) Close the front grille slowly in this state. (Push the grille at the 3 points, two at both sides and in the middle.)



3. How to remove the front panel.
1) Open the front grille.
2) Remove the screws (2 pcs) on the front panel.
3) Pull the lower part of the front panel toward you, then remove the front panel completely. (There are 2 hooks on the upper part.)
If it is difficult to remove, open the front grille and raise the top grid, using a screwdriver, to unhook the hooks.

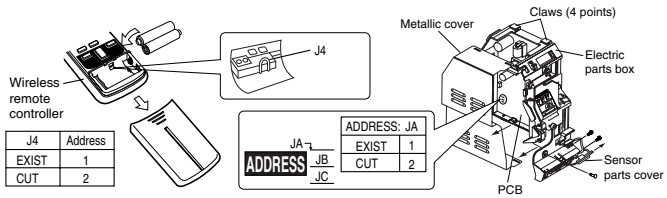
4. How to attach the front panel.
1) Attach the front panel to the front grille, and lock the upper hooks (2 points) securely.
2) Tighten the screws (2) on the front panel.
3) Close the front grille.



5. How to set the different addresses.
1) When two indoor units are installed in one room, the two wireless remote controllers can be set for different addresses.

6. PCB in the indoor unit
1) Remove the front panel.
2) Remove the sensor parts cover (2-screws), then remove the electric parts box (1-screw).
3) Slide the metallic cover to remove it. (4-claws on the electric parts box.)
4) Cut the jumper JA on PCB.

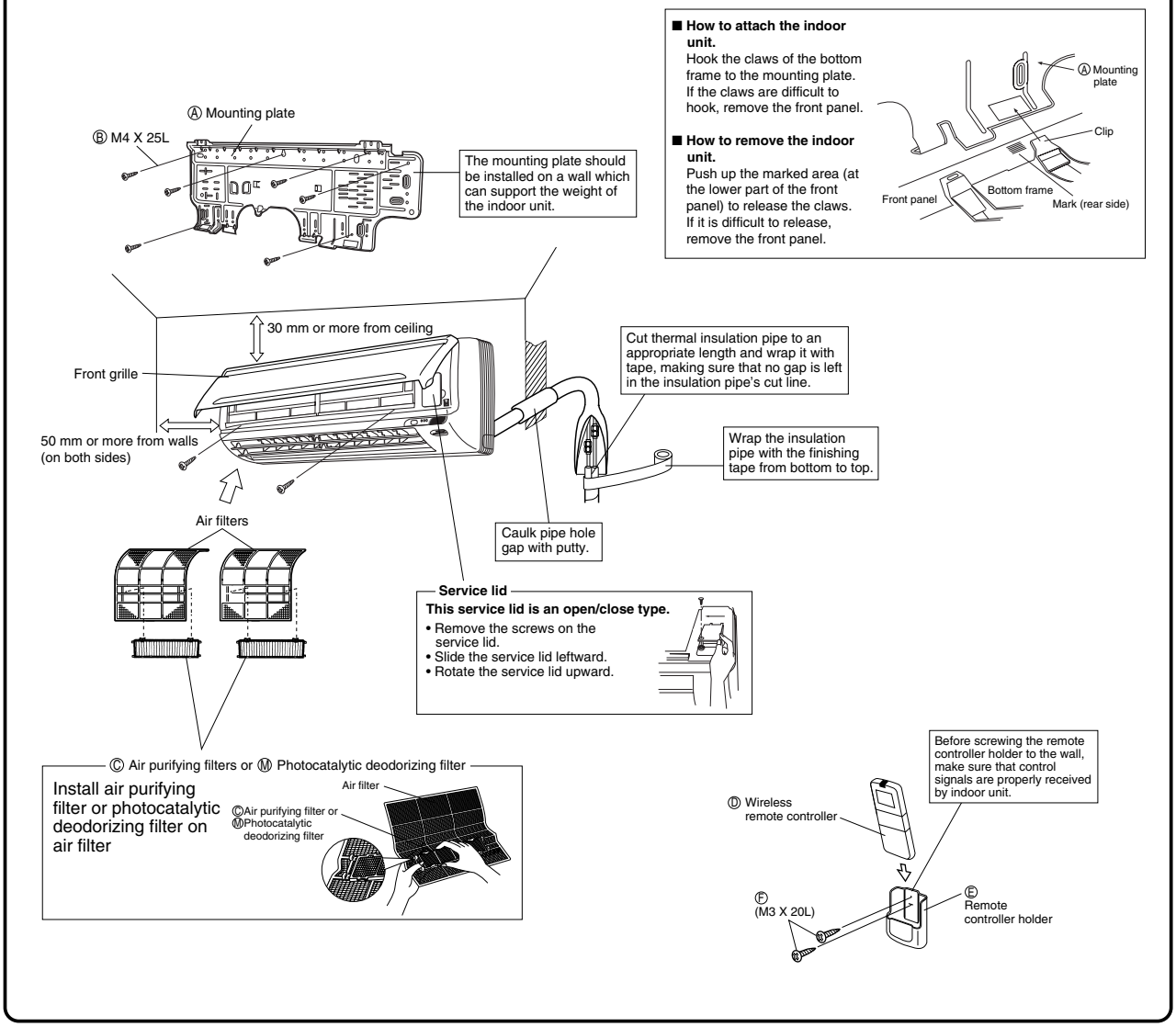
7. Wireless remote controller
1) Cut the jumper J4.



J4	Address
EXIST	1
CUT	2

ADDRESS: JA	
EXIST	1
CUT	2

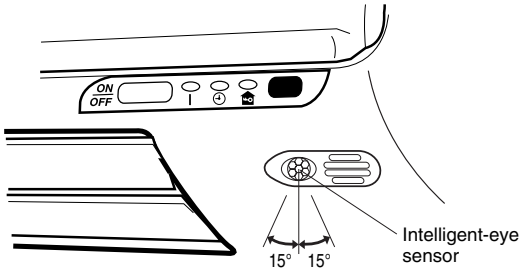
Indoor Unit Installation Drawings



Intelligent-Eye Sensor

1. Adjusting the angle

1) Once installation of the indoor unit is complete, adjust the angle of the Intelligent-eye sensor to ensure the detection area properly covers the room. (Adjustable angle: 15° to right and left of centre)



2) Gently push and slide the sensor to adjust the angle. Aim so that the sensor is pointing to the centre of the room, or to the part of the room that is most frequently used.

Moving the sensor to the left Moving the sensor to the right

3) After adjusting the angle, gently wipe the sensor with a clean cloth, being careful not to scratch the sensor.

⚠ Caution

1) Do not hit or violently push the Intelligent-eye sensor. This can lead to damage and malfunction.
2) Do not place large objects near the sensor. Also keep heating units or humidifiers outside the sensor's detection area.

4

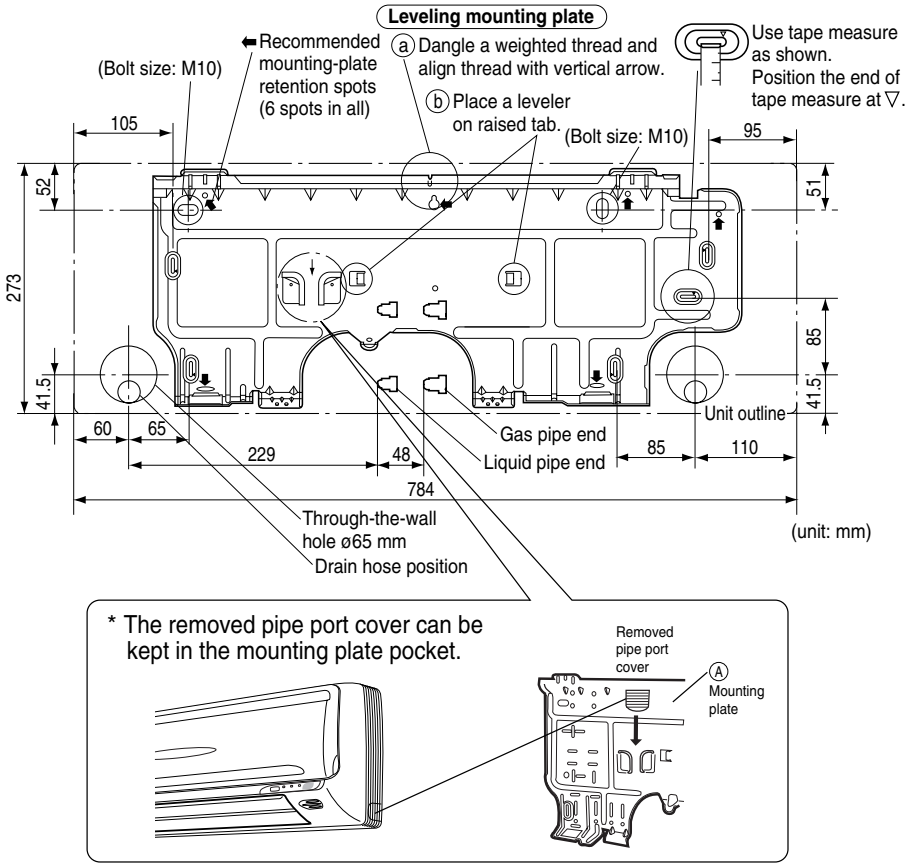
Indoor Unit Installation

1. Installing the mounting plate

- The mounting plate should be installed on a wall which can support the weight of the indoor unit.

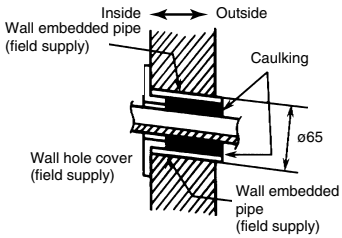
1) Temporarily secure the mounting plate to the wall, make sure that the panel is completely level, and mark the boring points on the wall.
2) Secure the mounting plate to the wall with screws.

Recommended mounting-plate retention spots and Dimensions



2. Boring a wall hole and installing wall embedded pipe

- For walls containing metal frame or metal board, be sure to use a wall embedded pipe and wall cover in the feed-through hole to prevent possible heat, electrical shock, or fire.
- Be sure to caulk the gaps around the pipes with caulking material to prevent water leakage.

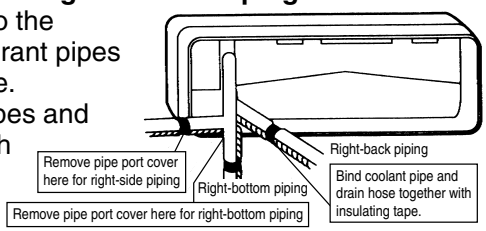


1) Bore a feed-through hole of 65 mm in the wall so it has a down slope toward the outside.
2) Insert a wall pipe into the hole.
3) Insert a wall cover into wall pipe.
4) After completing refrigerant piping, wiring, and drain piping, caulk pipe hole gap with putty.

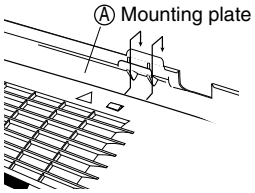
3. Installing indoor unit

3-1. Right-Side, Right-Back, or Right-Bottom Piping

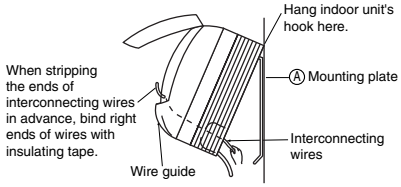
1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.
2) Wrap the refrigerant pipes and drain hose together with insulation tape Ⓙ.



3) Pass the drain hose and refrigerant pipes through the wall hole, then set the indoor unit on the mounting plate hooks by using the △ markings at the top of the indoor unit as a guide.



4) Open the front grille, then open the service lid. (Refer to Installation Tips.)
5) Pass the interconnecting wires from the outdoor unit through the feed-through wall hole and then through the back of the indoor unit. Pull them through the front side.

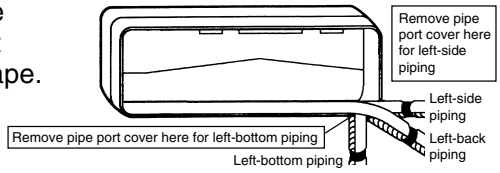


Bend the ends of tie wires upward in advance for easier work. (If the interconnecting wire ends are to be stripped first, bundle wire ends with adhesive tape.)
6) Press the indoor unit's bottom panel with both hands to set it on the mounting plate hooks. Make sure the wires do not catch on the edge of the indoor unit.

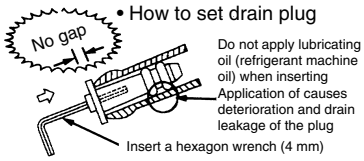
4

3-2. Left-Side, Left-Back, or Left Bottom Piping

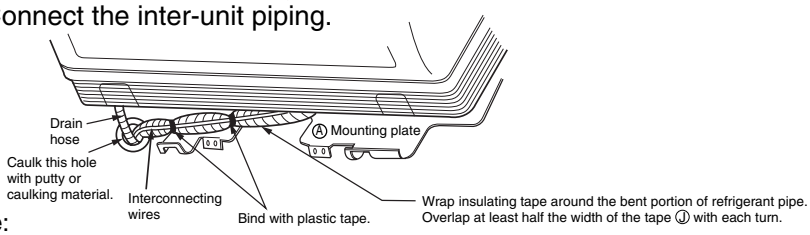
1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.



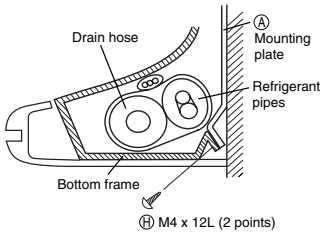
2) Be sure to connect the drain hose to the drain port in place of a drain plug.



3) Shape the refrigerant pipe along the pipe path marking on the mounting plate.
4) Pass drain hose and refrigerant pipes through the wall hole, then set the indoor unit on mounting plate hooks, using the △ markings at the top of indoor unit as a guide.
5) Pull in the interconnecting wires.
6) Connect the inter-unit piping.



Note:
1) Wrap the refrigerant pipes and drain hose together with insulation tape Ⓙ as right figure, in case of setting the drain hose through the back of the indoor unit.
2) If it is difficult to fix the claws of the bottom frame on the catches of the mounting plate. Secure indoor unit to the mounting plate with screws (M4 x 12L).

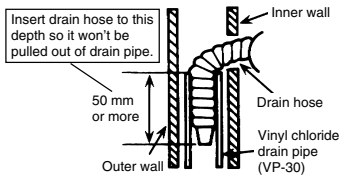


3-3. Wall Embedded Piping

Follow the instructions given under

Left-Side, Left-Back, or Left Bottom Piping

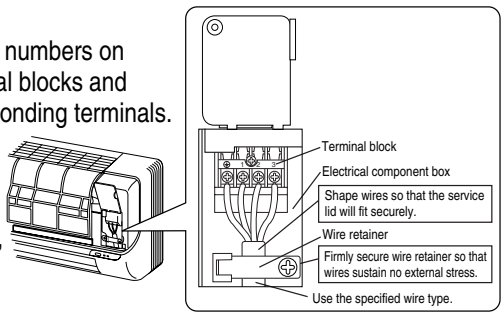
1) Insert the drain hose to this depth so it wont be pulled out of the drain pipe.



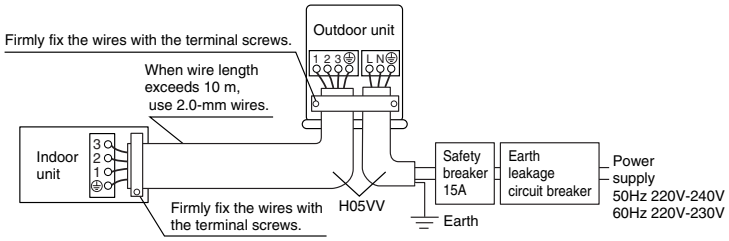
4. Wiring

With a Multi indoor unit , install as described in the installation manual supplied with the Multi outdoor unit.

1) Strip wire ends (15 mm).
2) Match wire colours with terminal numbers on indoor and outdoor units' terminal blocks and firmly screw wires to the corresponding terminals.
3) Connect the earth wires to the corresponding terminals.
4) Pull wires to make sure that they are securely latched up, then retain wires with wire retainer.



5) Shape the wires so that the service lid fits securely, then close service lid.

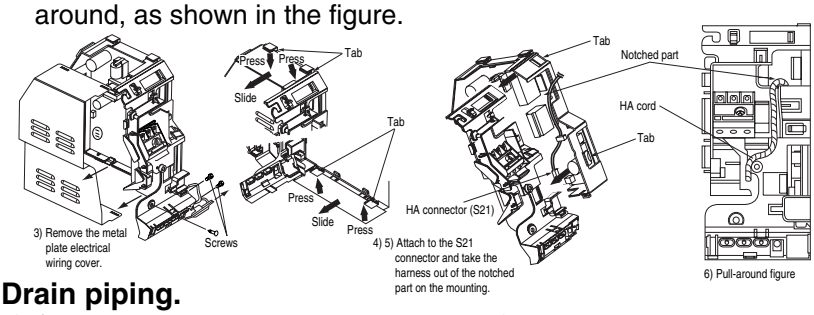


⚠ Warning

Do not use tapped wires, stand wires, extensioncords, or starburst connections, as they may cause overheating, electrical shock, or fire.

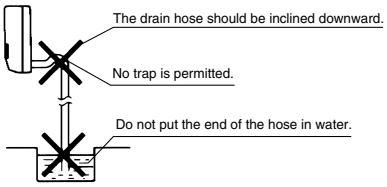
5. When connecting to an HA system

1) Remove the front grille. (2 screws)
2) Remove the electrical wiring box. (3 screws)
3) Remove the metal plate electrical wiring cover. (4 tabs)
4) Remove the resin plastic electrical wiring cover. (2 tabs)
5) Attach the connection cord to the S21 connector and pull the harness out through the notched part in the figure.
6) Replace the electrical wiring cover as it was, and pull the harness around, as shown in the figure.

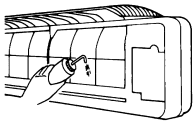


6. Drain piping.

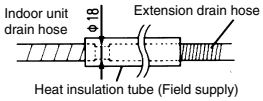
1) Connect the drain hose, as described below



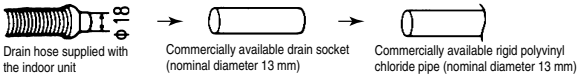
2) Remove the air filters and pour some water into the drain pan to check the water flows smoothly.



3) When drain hose requires extension, obtain an extension hose commercially available. Be sure to thermally insulate the indoor section of the extension hose.



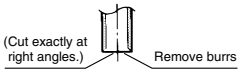
4) When connecting a rigid polyvinyl chloride pipe (nominal diameter 13 mm) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 13 mm) as a joint.



Refrigerant piping work

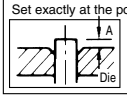
1. Flaring the pipe end

1) Cut the pipe end with a pipe cutter.
2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
3) Put the flare nut on the pipe.
4) Flare the pipe.
5) Check that the flaring is properly made.

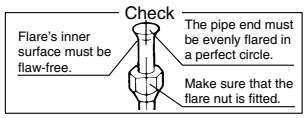


Flaring

Set exactly at the position shown below.



	A
RIGID	0.5 mm
IMPERIAL	1.0 mm



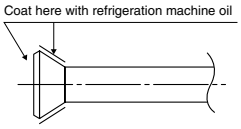
⚠ Warning

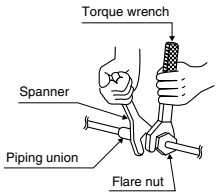
Incomplete flaring may cause refrigerant gas leakage.

2. Refrigerant piping

1) Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
   - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.
2) To prevent gas leakage, apply refrigeration machine oil on both inner and outer surfaces of the flare.

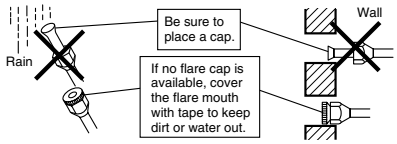
Flare nut tightening torque		
Gas side		Liquid side
3/8 inch	1/2 inch	1/4 inch
32.7-39.9N • m (333-407kgf • cm)	49.5-60.3N • m (505-615kgf • cm)	14.2-17.2N • m (144-175kgf • cm)





2-1. Cautions on Pipe Handling

1) Protect the open end of the pipe against dust and moisture.
2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.
   (Bending radius should be 30 to 40 mm or larger.)



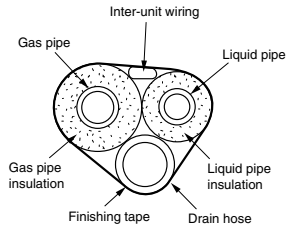
2-2. Selection of Copper and Heat Insulation materials

- When using commercial copper pipes and fittings, observe the following:

1) Insulation material: Polyethylene foam
   Heat transfer rate: 0.041 to 0.052kW/mK (0.035 to 0.045 kcal/mh℃)
   Refrigerant gas pipe's surface temperature reaches 110℃ max.
   Choose heat insulation materials that will withstand this temperature.
2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas side		Liquid side	Gas pipe thermal insulation		Liquid pipe thermal insulation
25 class	35 class		25 class	35 class	
O.D. 9.5mm	O.D. 12.7mm	O.D. 6.4mm	I.D. 12-15mm	I.D. 14-16mm	I.D. 8-10mm
Thickness 0.8mm		Thickness 0.8mm	Thickness 10mm Min.		

3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.



Trial Operation and Testing

1. Trial Operation and Testing

1-1 Measure the supply voltage and make sure that it falls in the specified range.
1-2 Trial operation should be carried out in either cooling or heating mode.

■ For Heat pump

- In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.
  1) Trial operation may be disabled in either mode depending on the room temperature.
  2) After trial operation is complete, set the temperature to a normal level (26℃ to 28℃ in cooling mode, 20℃ to 24℃ in heating mode).
  3) For protection, the system disables restart operation for 3 minutes after it is turned off.

■ For Cooling Only

- Select the lowest programmable temperature.
  1) Trial operation in cooling mode may be disabled depending on the room temperature. Use the remote control for trial operation as described below.
  2) After trial operation is complete, set the temperature to a normal level (26℃ to 28℃).
  3) For protection, the unit disables restart operation for 3 minutes after it is turned off.

1-3 Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, such as louver movement, are working properly.

- The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
- If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

2. Trial operation from Remote Controller

1) Press ON/OFF button to turn on the system.
2) Simultaneously press center of TEMP button and MODE button.
3) Press MODE button twice.
   (“ 7 ” will appear on the display to indicate that Trial Operation mode is selected.)
4) Trial run mode terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press ON/OFF button.

3. Test Items.

Test Items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling / heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Draining line is properly installed.	Water leakage	
System is properly earthed.	Electrical leakage	
The specified wires are used for interconnecting wire connections.	Inoperative or burn damage	
Indoor or outdoor unit's air intake or exhaust has clear path of air. Shut-off valves are opened.	Incomplete cooling / heating function	
Indoor unit properly receives remote control commands.	Inoperative	

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1.4 Wall Mounted Type FTK(X)D 50/60/71 F

Accessories

Ⓐ Mounting plate	1	Ⓔ Remote controller holder	1	Ⓙ Insulation tape	1
Ⓑ Mounting plate fixing screws M4 × 25L	9	Ⓕ Fixing screws for remote controller holder M3 × 20L	2	Ⓚ Operation manual	1
Ⓒ Titanium Apatite Photocatalytic Air-Purifying Filter	2	Ⓖ AAA dry-cell batteries	2	Ⓛ Installation manual	Model
Ⓓ Wireless remote controller	1	Ⓗ Indoor unit fixing screws M4 × 12L	2		FVM: 2
					FV2Z: 1

Choosing an Installation Site

• Before choosing the installation site, obtain user approval.

1. Indoor unit.

• The indoor unit should be sited in a place where:
1) the restrictions on installation specified in the indoor unit installation drawings are met,
2) both air intake and exhaust have clear paths met,
3) the unit is not in the path of direct sunlight,
4) the unit is away from the source of heat or steam,
5) there is no source of machine oil vapour (this may shorten indoor unit life),
6) cool (warm) air is circulated throughout the room,
7) the unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote controller range,
8) the unit is at least 1 metre away from any television or radio set (unit may cause interference with the picture or sound),
9) install at the recommended height (1.8m).

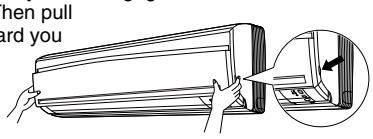
2. Wireless remote controller.

1) Turn on all the fluorescent lamps in the room, if any, and find the site where remote controller signals are properly received by the indoor unit (within 7 metres).

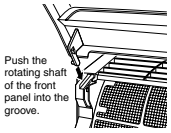
Installation Tips

1. Removing and installing front panel.

• **Removal method**
Hook fingers on the panel protrusions on the left and right of the main body, and open until the panel stops. Slide the front panel sideways to disengage the rotating shaft. Then pull the front panel toward you to remove it.

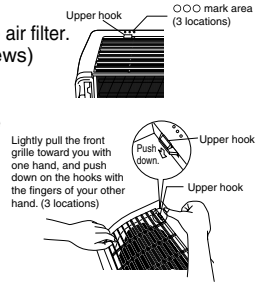


• **Installation method**
Align the tabs of the front panel with the grooves, and push all the way in. Then close slowly. Push the center of the lower surface of the panel firmly to engage the tabs.



2. Removing and installing front grille.

• **Removal method**
1) Remove front panel to remove the air filter.
2) Remove the front grille. (3 screws)
3) In front of the ○○○ mark of the front grille, there are 3 upper hooks. Lightly pull the front grille toward you with one hand, and push down on the hooks with the fingers of your other hand.

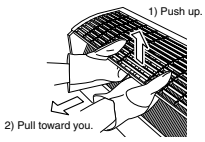


<When there is no work space because the unit is close to ceiling>

⚠ CAUTION

Be sure to wear protection gloves.

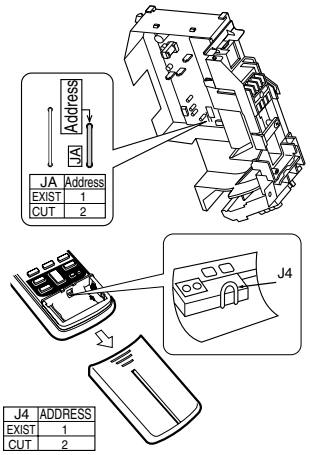
Place both hands under the center of the front grille, and while pushing up, pull it toward you.



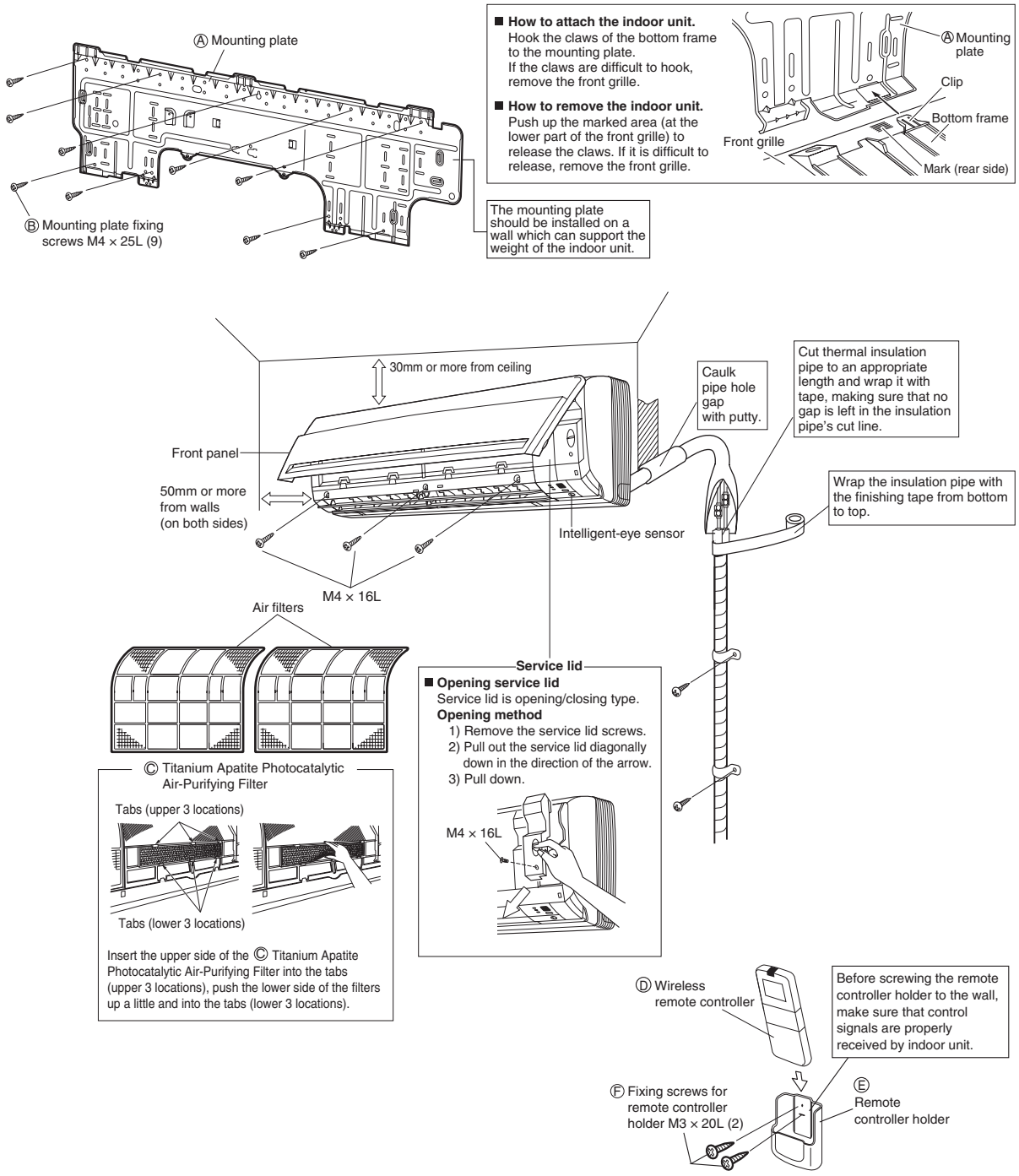
• **Installation method**
1) Install the front grille and firmly engage the upper hooks (3 locations).
2) Install 3 screws of the front grille.
3) Install the air filter and then mount the front panel.

3. How to set the different addresses.

When two indoor units are installed in one room, the two wireless remote controllers can be set for different addresses.
1) In the same way as when connecting to an HA system, remove the metal plate electrical wiring cover.
2) Cut the address jumper (JA) on the printed circuit board.
3) Cut the address jumper (J4) in the remote controller.



Indoor Unit Installation Drawings



Intelligent-eye Sensor

⚠ CAUTION

1) Do not hit or violently push the intelligent-eye sensor. This can lead to damage and malfunction.
2) Do not place large objects near the sensor. Also keep heating units or humidifiers outside the sensor's detection area.

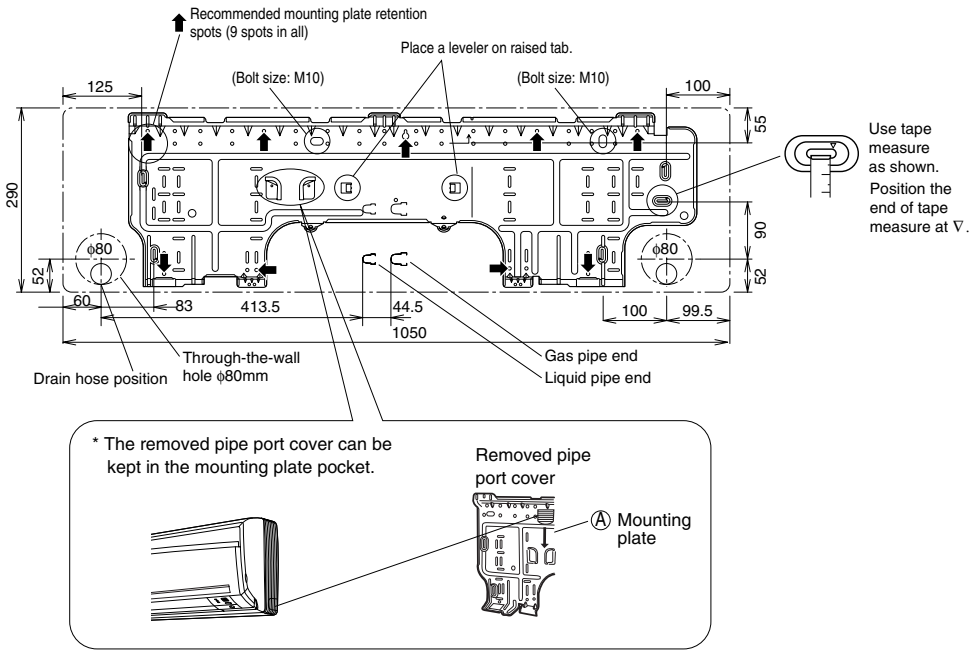
Indoor Unit Installation (1)

1. Installing the mounting plate.

- The mounting plate should be installed on a wall which can support the weight of the indoor unit.

1) Temporarily secure the mounting plate to the wall, make sure that the panel is completely level, and mark the boring points on the wall.
2) Secure the mounting plate to the wall with screws.

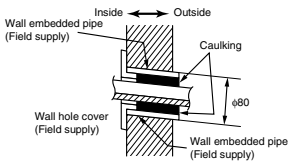
Recommended mounting plate retention spots and dimensions



2. Boring a wall hole and installing wall embedded pipe.

- For walls containing metal frame or metal board, be sure to use a wall embedded pipe and wall cover in the feed-through hole to prevent possible heat, electrical shock, or fire.
- Be sure to caulk the gaps around the pipes with caulking material to prevent water leakage.

1) Bore a feed-through hole of 80mm in the wall so it has a down slope toward the outside.
2) Insert a wall pipe into the hole.
3) Insert a wall cover into wall pipe.
4) After completing refrigerant piping, wiring, and drain piping, caulk pipe hole gap with putty.

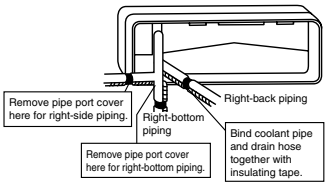


Indoor Unit Installation (2)

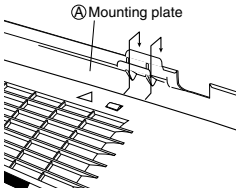
3. Installing indoor unit.

3-1. Right-side, right-back, or right-bottom piping.

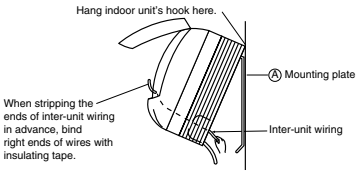
1) Attach the drain hose to the underside of the refrigerant pipes with an adhesive vinyl tape.
2) Wrap the refrigerant pipes and drain hose together with an insulation tape.



3) Pass the drain hose and refrigerant pipes through the wall hole, then set the indoor unit on the mounting plate hooks by using the △ markings at the top of the indoor unit as a guide.

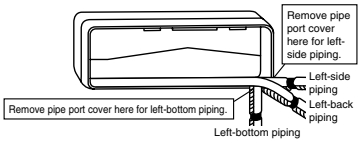


4) Open the front panel, then open the service lid. (Refer to Installation Tips.)
5) Pass the inter-unit wiring from the outdoor unit through the feed-through wall hole and then through the back of the indoor unit. Pull them through the front side.
   Bend the ends of tie wires upward for easier work in advance. (If the inter-unit wiring ends are to be stripped first, bundle wire ends with adhesive tape.)
6) Press the bottom frame of the indoor unit with both hands to set it on the mounting plate hooks. Make sure that the wires do not catch on the edge of the indoor unit.

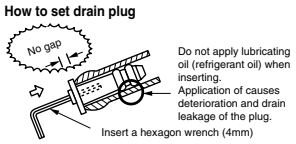


3-2. Left-side, left-back, or left-bottom piping.

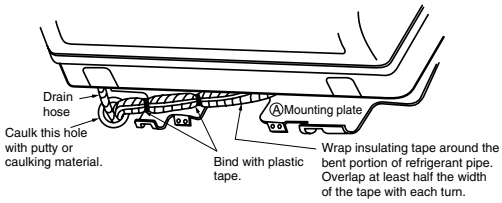
1) Attach the drain hose to the underside of the refrigerant pipes with adhesive vinyl tape.

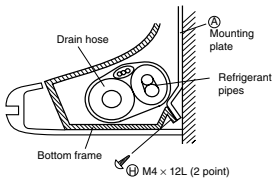


2) Be sure to connect the drain hose to the drain port in place of a drain plug.



3) Shape the refrigerant pipe along the pipe path marking on the mounting plate.
4) Pass drain hose and refrigerant pipes through the wall hole, then set the indoor unit on mounting plate hooks, using the △ markings at the top of indoor unit as a guide.
5) Pull in the inter-unit wiring.
6) Connect the inter-unit piping.
7) Wrap the refrigerant pipes and drain hose together with insulation tape as right figure, in case of setting the drain hose through the back of the indoor unit.
8) While exercising care so that the inter-unit wiring do not catch indoor unit, press the bottom edge of indoor unit with both hands until it is firmly caught by the mounting plate hooks. Secure indoor unit to the mounting plate with the screws (M4 × 12L).



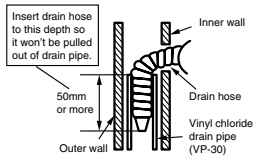


3-3. Wall embedded piping.

Follow the instructions given under

Left-side, left-back, or left-bottom piping

1) Insert the drain hose to this depth so it won't be pulled out of the drain pipe.

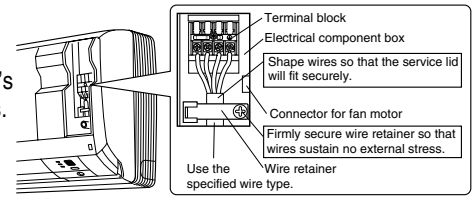


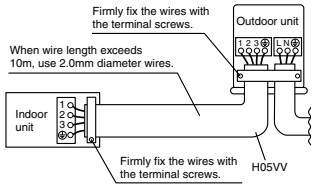
Indoor Unit Installation (3)

With a multi indoor unit , install as described in the installation manual supplied with the Multi outdoor unit.

4. Wiring.

1) Strip wire ends (15mm).
2) Match wire colours with terminal numbers on indoor and outdoor unit's terminal blocks and firmly screw wires to the corresponding terminals.
3) Connect the earth wires to the corresponding terminals. Attach the earth wire so that it is not connected to the fan motor connector.
4) Pull wires to make sure that they are securely latched up, then retain wires with wire retainer.
5) In case of connecting to an adapter system. Run the remote controller cable and attach the S21. (Refer to 5. When connecting to an HA system.)
6) Shape the wires so that the service lid fits securely, then close service lid.



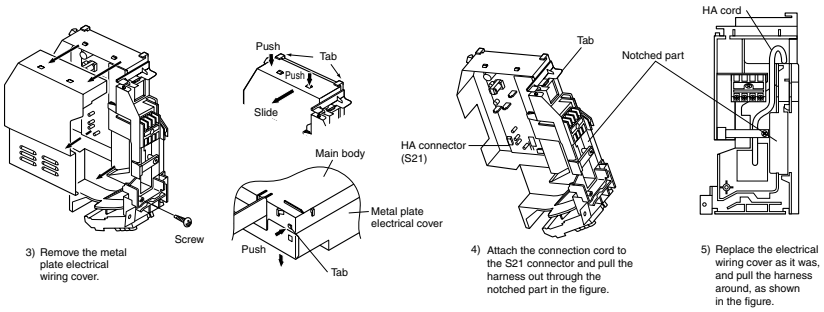


⚠ WARNING

1) Do not use tapped wires, stranded wires, extensioncords, or starburst connections, as they may cause overtheating, electrical shock,or fire.
2) Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc., from the terminal block.) Doing so may cause electric shock or fire.

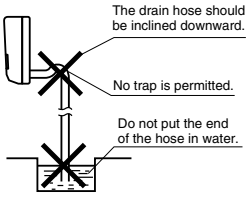
5. When connecting to an HA system.

1) Remove the front grille. (3 screws)
2) Remove the electrical wiring box. (1 screw)
3) Remove the metal plate electrical wiring cover. (4 tabs)
4) Attach the connection cord to the S21 connector and pull the harness out through the notched part in the figure.
5) Replace the electrical wiring cover as it was, and pull the harness around, as shown in the figure.

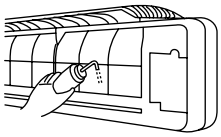


6. Drain piping.

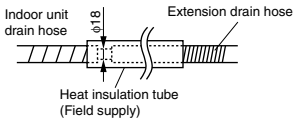
1) Connect the drain hose, as described below.



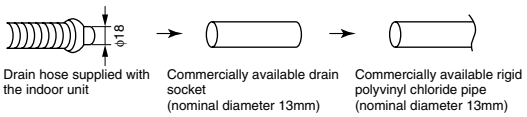
2) Remove the air filters and pour some water into the drain pan to check the water flows smoothly.



3) When drain hose requires extension, obtain an extension hose commercially available. Be sure to thermally insulate the indoor section of the extension hose.



4) When connecting a rigid polyvinyl chloride pipe (nominal diameter 13mm) directly to the drain hose attached to the indoor unit as with embedded piping work, use any commercially available drain socket (nominal diameter 13mm) as a joint.

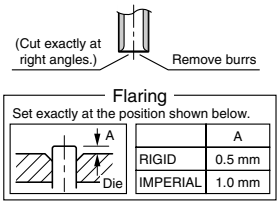


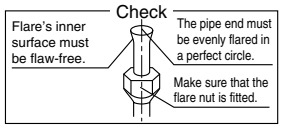
Refrigerant Piping Work

With a multi indoor unit , install as described in the installation manual supplied with the Multi outdoor unit.

1. Flaring the pipe end.

1) Cut the pipe end with a pipe cutter.
2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
3) Put the flare nut on the pipe.
4) Flare the pipe.
5) Check that the flaring is properly made.





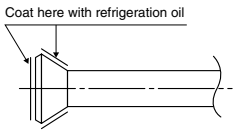
⚠ WARNING

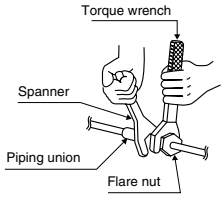
1) Incomplete flaring may cause refrigerant gas leakage.

2. Refrigerant piping.

1) Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
   - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.

Flare nut tightening torque			
Gas side		Liquid side	
1/2 inch	5/8 inch	1/4 inch	3/8 inch
49.5-60.3N • m (505-615kgf • cm)	61.8-75.4N • m (630-770kgf • cm)	14.2-17.2N • m (144-175kgf • cm)	32.7-39.9N • m (333-407kgf • cm)

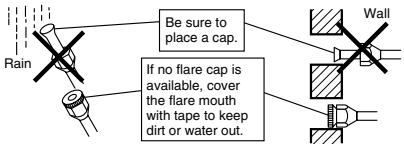




2) To prevent gas leakage, apply refrigeration oil on both inner and outer surfaces of the flare.

2-1. Caution on piping handling.

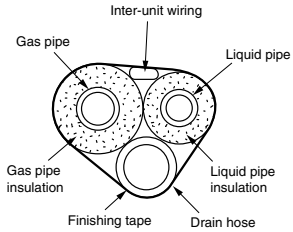
1) Protect the open end of the pipe against dust and moisture.
2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.
   (Bending radius should be 30 to 40mm or larger.)



2-2. Selection of copper and heat insulation materials.

- When using commercial copper pipes and fittings, observe the following:

1) Insulation material: Polyethylene foam
   Heat transfer rate: 0.041 to 0.052W/mK (0.035 to 0.045kcal/(mh •°C))
   Refrigerant gas pipe's surface temperature reaches 110°C max.
   Choose heat insulation materials that will withstand this temperature.
2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.



Gas side		Liquid side		Gas pipe thermal insulation		Liquid pipe thermal insulation	
50 class	60/71 class	50/60 class	71 class	50 class	60/71 class	50/60 class	71 class
O.D. 12.7mm	O.D. 15.9mm	O.D. 6.4mm	O.D. 9.5mm	I.D. 14-16mm	I.D. 16-20mm	I.D. 8-10mm	I.D. 12-15mm
Thickness 0.8mm	Thickness 1.0mm	Thickness 0.8mm		Thickness 10mm Min.			

3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

Trial Operation and Testing

1. Trial operation and testing.

1-1 Measure the supply voltage and make sure that it falls in the specified range.
1-2 Trial operation should be carried out in either cooling or heating mode.

■ For Heat pump

- In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.
  1) Trial operation may be disabled in either mode depending on the room temperature. Use the remote controller for trial operation as described below.
  2) After trial operation is complete, set the temperature to a normal level (26°C to 28°C in cooling mode, 20°C to 24°C in heating mode).
  3) For protection, the system disables restart operation for 3 minutes after it is turned off.

■ For Cooling only

- Select the lowest programmable temperature.
  1) Trial operation in cooling mode may be disabled depending on the room temperature. Use the remote controller for trial operation as described below.
  2) After trial operation is complete, set the temperature to a normal level (26°C to 28°C).
  3) For protection, the system disables restart operation for 3 minutes after it is turned off.

1-3 Carry out the test operation in accordance with the operation manual to ensure that all functions and parts, such as louver movement, are working properly.

- The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
- If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

Trial operation from remote controller.

1) Press ON/OFF button to turn on the system.
2) Simultaneously press centre of TEMP button and MODE button.
3) Press MODE button twice.
   ("7" will appear on the display to indicate that Trial Operation mode is selected.)
4) Trial run mode terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press ON/OFF button.

2. Test items.

Test items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Draining line is properly installed.	Water leakage	
System is properly earthed.	Electrical leakage	
The specified wires are used for inter-unit wiring connections.	Inoperative or burn damage	
Indoor or outdoor unit's air intake or exhaust has clear path of air. Stop valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote controller commands.	Inoperative	

3P192027-2

1.5 Duct Connected Type CDK(X)D 25/35/50/60 C

ACCESSORIES

Clamp metal	Insulation for fitting	Sealing pad				Drain hose	Washer for hanging bracket	Sealing material	Clamp
1 pc.	1 each	Large and small 1 each	3 pcs. (only for 50-60 type)	1 pc.	4 pcs. (only for CDKD series)	1 pc.	8 pcs.	2 pcs.	6 pcs.
	for gas pipe for liquid pipe	Large Small	2 large 1 small	Hanger (right) insulation	3 large 1 small				
			Stored in outlet vent		Stored in bottom tray				

Washer fixing plate	Screws for duct flanges	Wireless remote controller	Remote controller holder	AAA dry-cell batteries	Receiver kit			[Other]
1 set	1 set	1 pc.	1 pc.	1 set	1 pc.	1 pc.	2 pcs.	• Operation manual • Installation manual
4 pcs.	24 pcs.			2 pcs.	Mounting frame	Decorative cover	Screws M4 × 25	

CHOOSING A SITE

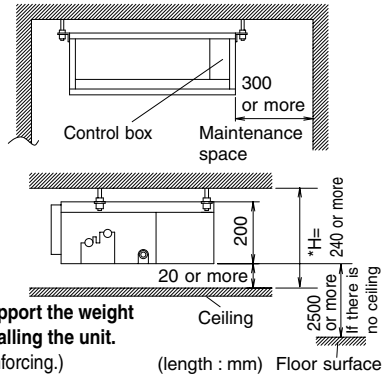
- Before choosing the installation site, obtain user approval.

Indoor unit

⚠ CAUTION

- When moving the unit during or after unpacking, make sure to lift it by holding its lifting lugs. Do not exert any pressure on other parts, especially the refrigerant piping, drain piping and flange parts.
  Wear protective gears (gloves and so on) when installing the unit.
- If you think the humidity inside the ceiling might exceed 30˚C and RH80%, reinforce the insulation on the unit body.
  Use glass wool or polyethylene foam as insulation so that the thickness is more than 10mm and fits inside the ceiling opening.

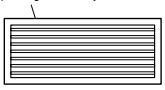
- Optimum air distribution is ensured.
- The air passage is not blocked.
- Condensate can drain properly.
- The ceiling is strong enough to bear the weight of the indoor unit.
- A false ceiling does not seem to be at an incline.
- Sufficient clearance for maintenance and servicing is ensured.
- Piping between the indoor and outdoor units is within the allowable limits.
  (Refer to the installation manual for the outdoor unit.)
- The indoor unit, outdoor unit, power supply wiring and transmission wiring is at least 1 meter away from televisions and radios. This prevents image interference and noise in electrical appliances. (Noise may be generated depending on the conditions under which the electric wave is generated, even if a one-meter allowance is maintained.)



■ **Use suspension bolts to install the unit. Check whether or not the ceiling is strong enough to support the weight of the unit. If there is a risk that the ceiling is not strong enough, reinforce the ceiling before installing the unit.**
(Installation pitch is marked on the carton box for installation. Refer to it to check for points requiring reinforcing.)
Select the *H dimension such that a downward slope of at least 1/100 is ensured as indicated in **"DRAIN PIPING WORK"**.
- The installation pitch is listed on the packing material, and should be checked when deciding whether to reinforce the location or not.

■ **Select the signal receiver mounting location according to the following conditions:**
- Install the signal receiver, which has a built-in temperature sensor, near the intake vent where there is convection of air and it can get an accurate reading of the room's temperature. If the intake vent is in another room or the unit cannot be installed near the intake vent for any other reason, install it 1.5m above the floor on a wall where there is convection.
- In order to get an accurate reading of the room's temperature, install the signal receiver in a location where it is not exposed directly to cold or hot air from the air discharge grille or to direct sunlight.
- Since the receiver has a built-in light receptor to receive signals from the wireless remote controller, do not mount it in a location where the signal may be blocked by a curtain, etc.

Air discharge grille:
Wooden or plastic grille is recommended because condensation may occur depending on humidity conditions.



⚠ CAUTION

If the signal receiver is not installed in a location where there is convection of air, it may be unable to get an accurate reading of the room's temperature.

Wireless Remote Controller

- Turn on all the fluorescent lamps in the room, if any, and find the site where remote controller signals are properly received by the indoor unit (within 4 metres).

Outdoor unit

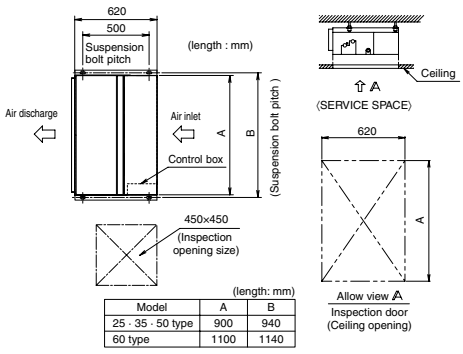
- For outdoor unit installation, see the installation manual supplied with the Multi outdoor unit.

PREPARATIONS BEFORE INSTALLATION

■ **Relation of the unit to the suspension bolt positions**
- Install the inspection opening on the control box side where maintenance and inspection of the control box are easy. Install the inspection opening also in the lower part of the unit.

■ **Make sure the range of the unit's external static pressure is not exceeded.**
(See the technical documentation for the range of the external static pressure setting.)

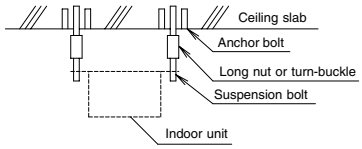
■ **Open the installation hole. (Pre-set ceilings)**
- Once the installation hole is opened in the ceiling where the unit is to be installed, pass refrigerant piping, drain piping, transmission wiring, and remote controller wiring (unneeded if using a wireless remote controller) to the unit's piping and wiring holes.
  See **"REFRIGERANT PIPING WORK"**, **"DRAIN PIPING WORK"**, and **"WIRING"**.
- After opening the ceiling hole, make sure ceiling is level if needed. It might be necessary to reinforce the ceiling frame to prevent shaking. Consult an architect or carpenter for details.



(length: mm)

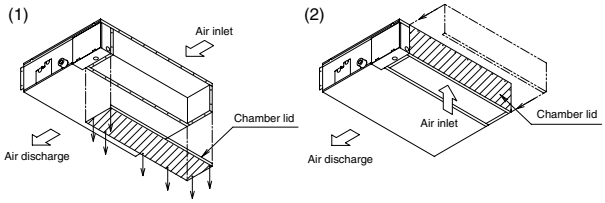
Model	A	B
25 · 35 · 50 type	900	940
60 type	1100	1140

■ **Install the suspension bolts.**
(Use W3/8 to M10 suspension bolts.)
Use a hole-in-anchor, sunken insert, sunken anchor for existing ceilings, and a sunken insert, sunken anchor or other part to be procured in the field to reinforce the ceiling to bearing the weight of the unit. (Refer to Fig.)

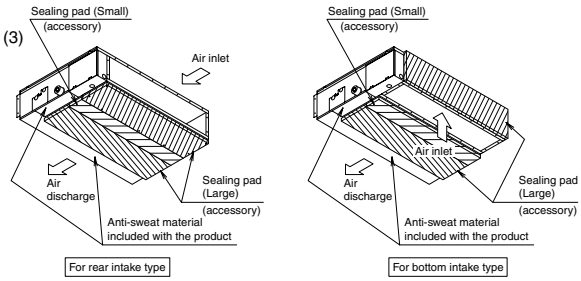


Note: All the above parts are field supplied.

■ **Mount chamber lid**
For bottom intake, replace the chamber lid in the procedure listed in Fig.
(1) Remove the chamber lid. (7 locations)
(2) Reattached the removed chamber lid in the orientation shown in Fig. (7 locations)

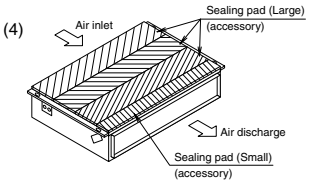


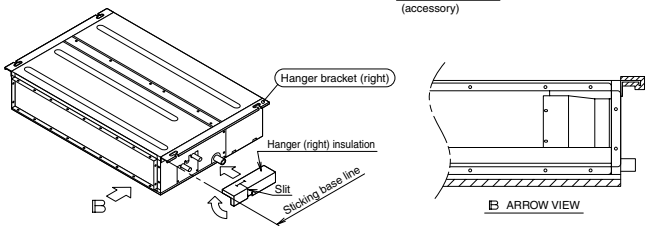
(3) BOTTOM FRAME SIDE
Attach sealing pad as shown in the figure below. (Stored in outlet vent)
(In order to take in the air inside the ceiling, and when not taking in air from outdoor air, it is not necessary to stick.)
- Attach the sealing pad (accessory) to the plate metal sections which are not covered by anti-sweat material.
- Make sure there are no gaps between the different pieces of sealing pad.



(4) TOP PLATE SIDE ＊Only for CDKD series
Attach sealing pad as shown in the figure below. (Stored in bottom tray)
(In order to take in the air inside the ceiling, and when not taking in air from outdoor air, it is not necessary to stick.)
- Make sure there are no gaps between the different pieces of sealing pad.

(5) Attach the hanger (right) insulation to the right hanger. (Stored in outlet vent)
(See the below figure for the sticking base line.)

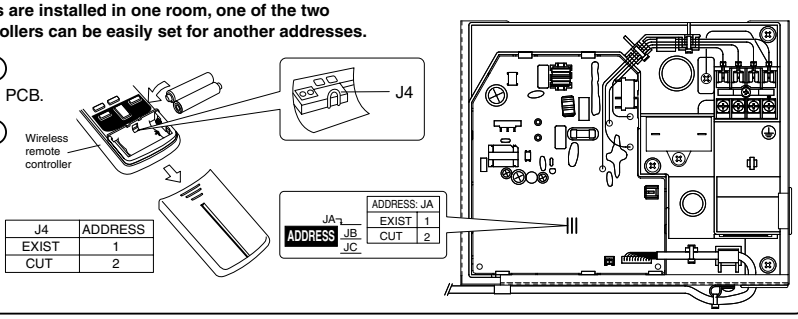




■ **When two indoor units are installed in one room, one of the two wireless remote controllers can be easily set for another addresses.**

PCB in the indoor unit
- Cut the jumper JA on PCB.

Wireless remote controller
- Cut the jumper J4.



J4	ADDRESS
EXIST	1
CUT	2

ADDRESS: JA	
EXIST	1
CUT	2

INDOOR UNIT INSTALLATION

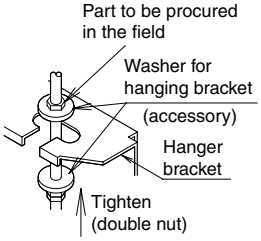
<<As for the parts to be used for installation work, be sure to use the provided accessories and specified parts designated by our company.>>

■ **Install the indoor unit temporarily.**

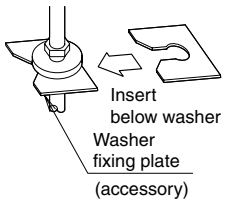
- Attach the hanger bracket to the suspension bolt. Be sure to fix it securely by using a nut and washer from the upper and lower sides of the hanger bracket. (Refer to Fig.)

[PRECAUTION]
Since the unit uses a plastic drain pan, prevent welding spatter and other foreign substances from entering the outlet hole during installation.

[Securing the hanger bracket]



[How to secure washers]

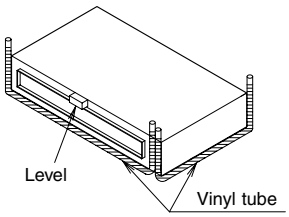


■ **Adjust the height of the unit.**

■ **Check the unit is horizontally level.**

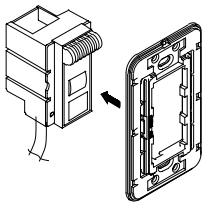
⚠ CAUTION

Make sure the unit is installed level using a level or a plastic tube filled with water. In using a plastic tube instead of a level, adjust the top surface of the unit to the surface of the water at both ends of the plastic tube and adjust the unit horizontally. (One thing to watch out for in particular is if it is installed so that the slope is not in the direction of the drain piping, as this might cause leaking.)

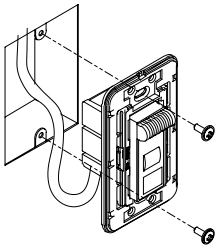


■ **Tighten the upper nut.**

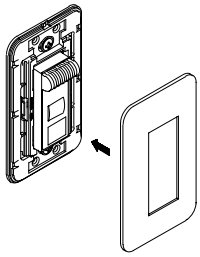
■ **Mounting the receiver.**
Mount the receiver as shown below.



① Press the receiver into the mounting frame.



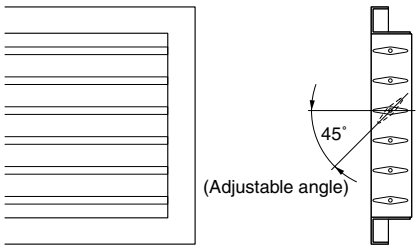
② Mount the completed assembly using two screws.



③ Press the decorative cover into the mounting frame.

Note) Mount the Remote controller cord far enough away from strong electrical wires (such as distribution wires for electrical lights, air conditioners, etc.) and from weak electrical wires (such as wires for telephones, intercoms, etc.).

For heat pump: If your feet feel cold when using the heating function, it is recommended that the air discharge grille shown at below be attached.



OUTDOOR UNIT INSTALLATION

Install as described in the installation manual supplied with the Multi outdoor unit.

REFRIGERANT PIPING WORK

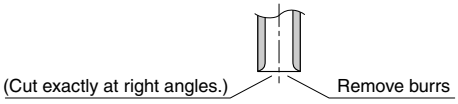
See the installation manual supplied with the Multi outdoor unit for outdoor unit.

1 FLARING THE PIPE END

1. Cut the pipe end with a pipe cutter.
2. Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
3. Put the flare nut on the pipe.
4. Flare the pipe.
5. Check that the flaring is properly made.

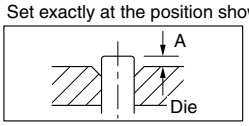
⚠ Warning

Incomplete flaring may cause refrigerant gas leakage.



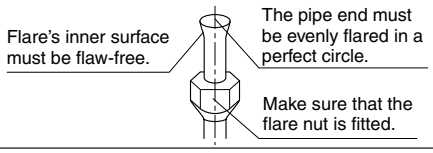
Flaring

Set exactly at the position shown below.



	A
RIGID	0.5 mm
IMPERIAL	1.0 mm

Check



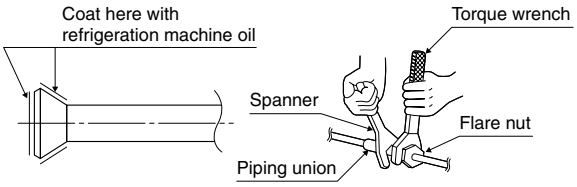
2 REFRIGERANT PIPING

1. To prevent gas leakage, apply refrigeration machine oil on both inner and outer surfaces of the flare.
2. Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
   - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.

Flare nut tightening torque			
Gas side			Liquid side
3/8 inch	1/2 inch	5/8 inch	1/4 inch
32.7~39.9N • m (333~407kgf • cm)	49.5~60.3N • m (505~615kgf • cm)	61.8~75.4N • m (630~769kgf • cm)	14.2~17.2N • m (144~175kgf • cm)

⚠ CAUTION

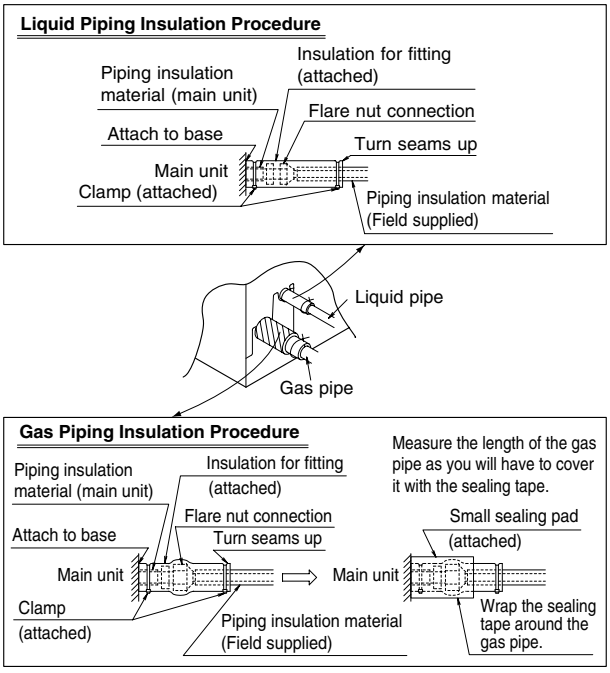
Overtightening may damage the flare and cause leaks.



3. **After the work is finished, make sure to check that there is no gas leak.**
4. **After checking for gas leaks, be sure to insulate the pipe connections.**
   - Insulate using the insulation for fitting included with the liquid and gas pipes. Besides, make sure the insulation for fitting on the liquid and gas piping has its seams facing up. (Tighten both edges with clamp.)
   - For the gas piping, wrap the medium sealing pad over the insulation for fitting (flare nut part).

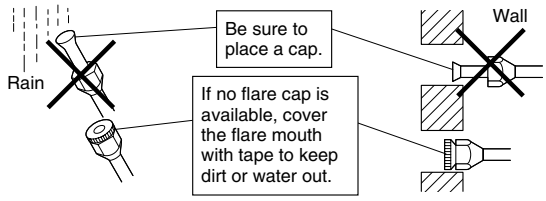
⚠ CAUTION

Be sure to insulate any field piping all the way to the piping connection inside the unit. Any exposed piping may cause condensation or burns if touched.



Cautions on Pipe Handling

- Protect the open end of the pipe against dust and moisture.
  (Tighten both edges with clamp.)
- All pipe bends should be as gentle as possible.
  Use a pipe bender for bending.
  (Bending radius should be 30 to 40 mm or larger.)



Selection of Copper and Heat Insulation materials

When using commercial copper pipes and fittings, observe the following:

- Insulation material: Polyethylene foam
  Heat transfer rate: 0.041 to 0.052W/mK (0.035 to 0.045 kcal/mh°C)
  Refrigerant gas pipe's surface temperature reaches 110°C max.
  Choose heat insulation materials that will withstand this temperature.
- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

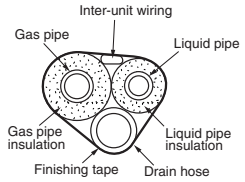
Gas side			Liquid side	Gas pipe thermal insulation			Liquid pipe thermal insulation
25 class	35/50 class	60 class		25 class	35/50 class	60 class	
O.D. 9.5mm	O.D. 12.7mm	O.D. 15.9mm	O.D. 6.4mm	I.D. 12-15mm	I.D. 14-16mm	I.D. 16-20mm	I.D. 8-10mm
Thickness 0.8mm		Thickness 1.0mm	Thickness 0.8mm	Thickness 10mm Min.			

Also, when subject to high humidity, heat insulation of the refrigerant piping (the unit piping and branch piping) must be further reinforced.
Reinforce the insulation when installing the unit near bathrooms, kitchens, and other similar locations.
Refer to the following:

- 30°C, more than 75% RH: 20 mm Min. in thickness

If the insulation is not sufficient, condensation may form on the surface of the insulation.

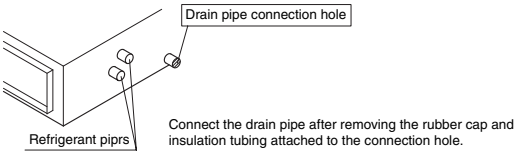
- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.



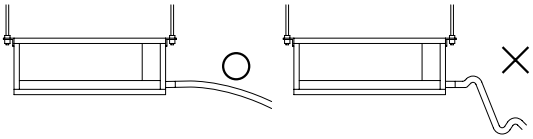
DRAIN PIPING WORK

⚠ CAUTION
Make sure all water is out before making the duct connection.

■ **Install the drain piping.**



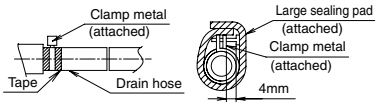
- Make sure the drain works properly.
- The diameter of the drain pipe should be greater than or equal to the diameter of the connecting pipe (vinyl tube; pipe size: 20 mm; outer dimension: 26 mm).
- Keep the drain pipe short and sloping downwards at a gradient of at least 1/100 to prevent air pockets from forming.



⚠ CAUTION
Water accumulating in the drain piping can cause the drain to clog.

- To keep the drain tube from sagging, space hanging wires every 1 to 1.5 m.
- Use the drain hose and the metal clamp. Insert the drain hose fully into the drain socket and firmly tighten the metal clamp with the upper part of the tape on the hose end. Tighten the metal clamp until the screw head is less than 4 mm from the hose.
- The two areas below should be insulated because condensation may form there causing water to leak.
  - Drain piping passing indoors
  - Drain sockets

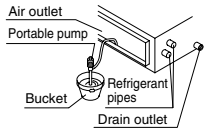
  Referring the figure below, insulate the metal clamp and drain hose using the included large sealing pad.



<**PRECAUTIONS**>
Drain piping connections
- Do not connect the drain piping directly to sewage pipes that smell of ammonia. The ammonia in the sewage might enter the indoor unit through the drain pipes and corrode the heat exchanger.
- Do not twist or bend the drain hose, so that excessive force is not applied to it.

(This type of treatment may cause leaking.)

■ **After piping work is finished, check drainage flows smoothly.**
- Gradually insert approximately 1000 cc of water into the drain pan to check drainage in the manner described below.

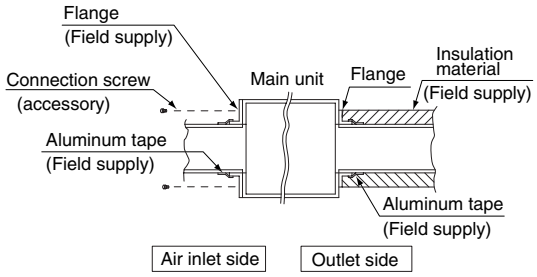


INSTALLING THE DUCT

Connect the duct supplied in the field.

Air inlet side
- Attach the duct and intake-side flange (field supply).
- Connect the flange to the main unit with accessory screws (in 20 or 24 positions).
- Wrap the intake-side flange and duct connection area with aluminum tape or something similar to prevent air escaping.

⚠ CAUTION
Be sure to attach an air filter inside the air passage on the intake side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique.)



Outlet side
- Connect the duct according to the inside of the outlet-side flange.
- Wrap the outlet-side flange and the duct connection area with aluminum tape or something similar to prevent air escaping.

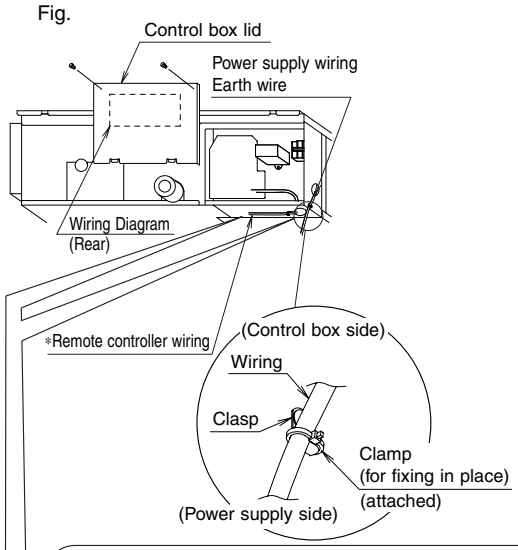
⚠ CAUTION
- Be sure to insulate the duct to prevent condensation from forming. (Material: glass wool or polyethylene foam, 25 mm thick)
- Use electric insulation between the duct and the wall when using metal ducts to pass metal laths of the net or fence shape or metal plating into wooden buildings.

WIRING

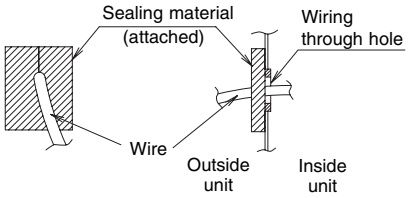
See the installation manual supplied with the Multi outdoor unit for outdoor unit.

■ **HOW TO CONNECT WIRINGS**

- Wire only after removing the control box lid as shown in the Fig.



⚠
- Make sure to let a wire go through a wire penetration area.
- After wiring, seal the wire and wire penetration area to prevent moisture and small creatures from the outside.
- Wrap the strong and weak electric lines with the sealing material as shown in the figure below.
  (Otherwise, moisture or small creatures such as insects from the outside may cause short-circuit inside the control box.)
  Attach securely so that there are no gaps.



[How to adhere it]

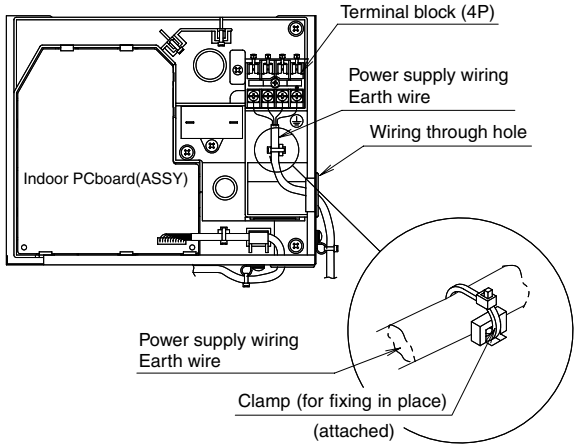
⚠ CAUTION

- When clamping the wiring, use the included clamping material as shown in the Fig. to prevent outside pressure being exerted on the wiring connections and clamp firmly.
- When doing the wiring, make sure the wiring is neat and does not cause the control box lid to stick up, then close the cover firmly. When attaching the control box lid, make sure you do not pinch any wires.
- Outside the machine, separate the weak wiring (remote controller) and strong wiring (earth wire and power supply wiring) at least 50 mm so that they do not pass through the same place together. Proximity may cause electrical interference, malfunctions, and breakage.

[PRECAUTIONS]

- See also the “Electrical Wiring Diagram Nameplate” when wiring the unit for electrical power.

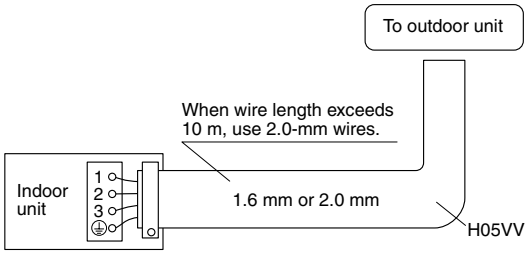
[Connecting electrical wiring]



- **Power supply wiring and Earth wire**
  Remove the control box lid.
  Next, pull the wires into the unit through the wiring through hole and connect to the power wiring terminal block (4P).

⚠ Warning

Do not use tapped wires, stand wires, extensioncords, or starbust connections, as they may cause overheating, electrical shock, or fire.



TRIAL OPERATION AND TESTING

Trial Operation and Testing

(1) Measure the supply voltage and make sure that it falls in the specified range.
(2) Trial operation should be carried out in either cooling or heating mode.

Trial operation from Remote Controller
(1) Press ON/OFF button to turn on the system. (2) Simultaneously press center of TEMP button and MODE button. (3) Press MODE button twice. (“T” will appear on the display to indicate that Trial Operation mode is selected.) (4) Trial run mode terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press ON/OFF button.

For Heat pump

In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.
- Trial operation may be disabled in either mode depending on the room temperature.
- After trial operation is complete, set the temperature to a normal level (26˚C to 28˚C in cooling mode, 20˚C to 24˚C in heating mode).
- For protection, the system disables restart operation for 3 minutes after it is turned off.

For Cooling Only

Select the lowest programmable temperature.
- Trial operation in cooling mode may be disabled depending on the room temperature.
  Use the remote control for trial operation as described below.
- After trial operation is complete, set the temperature to a normal level (26˚C to 28˚C).
- For protection, the unit disables restart operation for 3 minutes after it is turned off.

(3) Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, are working properly.
* The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
* If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is turned on again.

Test Items

Test Items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Draining line is properly installed.	Water leakage	
System is properly earthed.	Electrical leakage	
The specified wires are used for interconnecting wire connections.	Inoperative or burn damage	
Indoor or outdoor unit’s air inlet or discharge has clear path of air. Shut-off valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote controller commands.	Inoperative	

C : 3P132002-2C

4

1.6 Duct Connected Type CDK(X)D 25/35 E

ACCESSORIES

Clamp metal	Insulation for fitting	Sealing pad			Drain hose	Washer for hanging bracket	Sealing material	Clamp
1 pc.	1 each	Large and small 1 each	1 pc.	4 pcs. (only for CDKD series)	1 pc.	8 pcs.	2 pcs.	6 pcs.
	for gas pipe for liquid pipe	Large Small	Hanger (right) insulation Stored in outlet vent	3 large 1 small Stored in bottom tray				

Washer fixing plate	Screws for duct flanges	Wireless remote controller	Remote controller holder	AAA dry-cell batteries	Receiver kit			[Other]
1 set	1 set	1 pc.	1 pc.	1 set	1 pc.	1 pc.	2 pcs.	• Operation manual • Installation manual
4pcs.	24 pcs.			2 pcs.	Mounting frame	Decorative cover	Screws M4 × 25	

CHOOSING A SITE

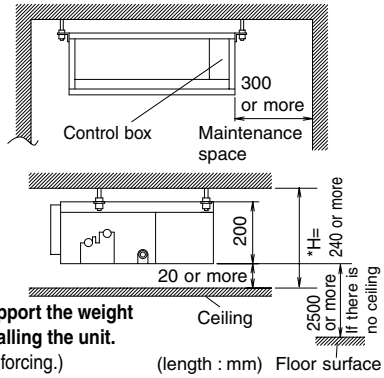
- Before choosing the installation site, obtain user approval.

Indoor unit

⚠ CAUTION

- When moving the unit during or after unpacking, make sure to lift it by holding its lifting lugs. Do not exert any pressure on other parts, especially the refrigerant piping, drain piping and flange parts.
  Wear protective gears (gloves and so on) when installing the unit.
- If you think the humidity inside the ceiling might exceed 30°C and RH80%, reinforce the insulation on the unit body.
  Use glass wool or polyethylene foam as insulation so that the thickness is more than 10mm and fits inside the ceiling opening.

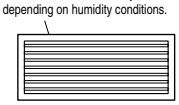
- Optimum air distribution is ensured.
- The air passage is not blocked.
- Condensate can drain properly.
- The ceiling is strong enough to bear the weight of the indoor unit.
- A false ceiling does not seem to be at an incline.
- Sufficient clearance for maintenance and servicing is ensured.
- Piping between the indoor and outdoor units is within the allowable limits.
  (Refer to the installation manual for the outdoor unit.)
- The indoor unit, outdoor unit, power supply wiring and transmission wiring is at least 1 meter away from televisions and radios. This prevents image interference and noise in electrical appliances. (Noise may be generated depending on the conditions under which the electric wave is generated, even if a one-meter allowance is maintained.)



■ **Use suspension bolts to install the unit. Check whether or not the ceiling is strong enough to support the weight of the unit. If there is a risk that the ceiling is not strong enough, reinforce the ceiling before installing the unit.**
(Installation pitch is marked on the carton box for installation. Refer to it to check for points requiring reinforcing.)
Select the *H dimension such that a downward slope of at least 1/100 is ensured as indicated in **"DRAIN PIPING WORK"**.
- The installation pitch is listed on the packing material, and should be checked when deciding whether to reinforce the location or not.

■ **Select the signal receiver mounting location according to the following conditions:**
- Install the signal receiver, which has a built-in temperature sensor, near the intake vent where there is convection of air and it can get an accurate reading of the room's temperature. If the intake vent is in another room or the unit cannot be installed near the intake vent for any other reason, install it 1.5m above the floor on a wall where there is convection.
- In order to get an accurate reading of the room's temperature, install the signal receiver in a location where it is not exposed directly to cold or hot air from the air discharge grille or to direct sunlight.
- Since the receiver has a built-in light receptor to receive signals from the wireless remote controller, do not mount it in a location where the signal may be blocked by a curtain, etc.

Air discharge grille:
Wooden or plastic grille is recommended because condensation may occur depending on humidity conditions.



⚠ CAUTION

If the signal receiver is not installed in a location where there is convection of air, it may be unable to get an accurate reading of the room's temperature.

Wireless Remote Controller

- Turn on all the fluorescent lamps in the room, if any, and find the site where remote controller signals are properly received by the indoor unit (within 4 metres).

Outdoor unit

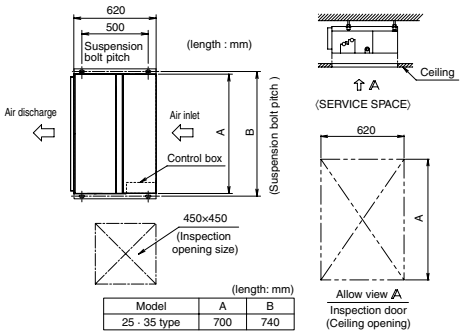
- For outdoor unit installation, see the installation manual supplied with the Multi outdoor unit.

PREPARATIONS BEFORE INSTALLATION

■ **Relation of the unit to the suspension bolt positions**
- Install the inspection opening on the control box side where maintenance and inspection of the control box are easy. Install the inspection opening also in the lower part of the unit.

■ **Make sure the range of the unit's external static pressure is not exceeded.**
(See the technical documentation for the range of the external static pressure setting.)

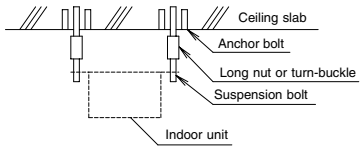
■ **Open the installation hole. (Pre-set ceilings)**
- Once the installation hole is opened in the ceiling where the unit is to be installed, pass refrigerant piping, drain piping, transmission wiring, and remote controller wiring (unneeded if using a wireless remote controller) to the unit's piping and wiring holes. See **"REFRIGERANT PIPING WORK"**, **"DRAIN PIPING WORK"**, and **"WIRING"**.
- After opening the ceiling hole, make sure ceiling is level if needed. It might be necessary to reinforce the ceiling frame to prevent shaking. Consult an architect or carpenter for details.



(length: mm)

Model	A	B
25 · 35 type	700	740

■ **Install the suspension bolts.**
(Use W3/8 to M10 suspension bolts.)
Use a hole-in-anchor, sunken insert, sunken anchor for existing ceilings, and a sunken insert, sunken anchor or other part to be procured in the field to reinforce the ceiling to bearing the weight of the unit. (Refer to Fig.)



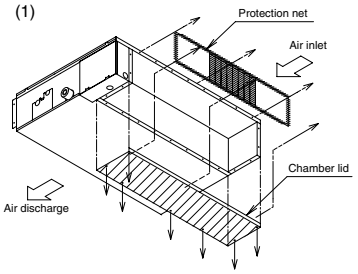
Note: All the above parts are field supplied.

■ **Mount chamber lid and air filter (accessory)**
For bottom intake, replace the chamber lid and the protection net in the procedure listed in Fig.

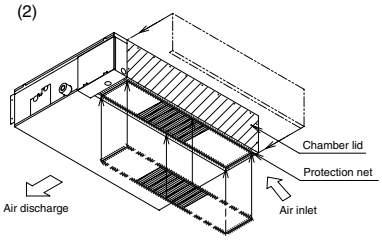
(1) Remove the protection net.
(6 locations)
Remove the chamber lid. (7 locations)

(2) Reattach the removed chamber lid in the orientation shown in Fig.(7 locations)
Reattach the removed protection net in the orientation shown in Fig.
(6 locations)
Refer to Fig.for the direction of the protection net.

(1)

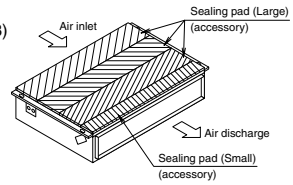


(2)



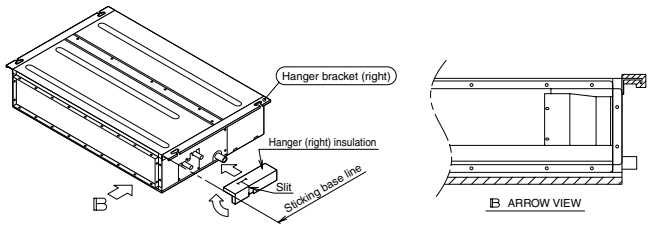
(3) Attach sealing pad as shown in the figure below.
(Stored in bottom tray) ∗Only for CDKD series
(In order to take in the air inside the ceiling, and when not taking in air from outdoor air, it is not necessary to stick.)
- Make sure there are no gaps between the different pieces of sealing pad.

(3)



(4) Attach the hanger (right) insulation to the right hanger.
(Stored in outlet vent)
(See the below figure for the sticking base line.)

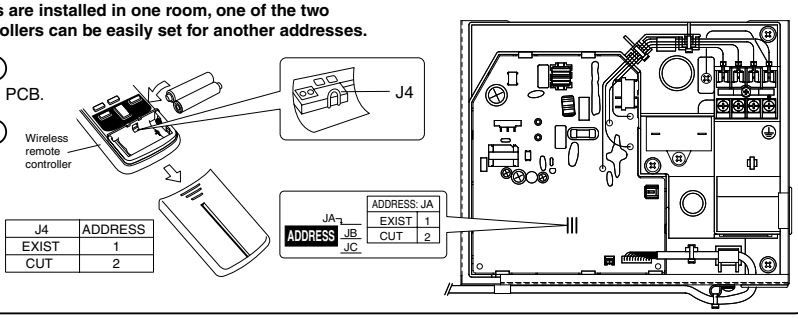
(4)



■ **When two indoor units are installed in one room, one of the two wireless remote controllers can be easily set for another addresses.**

PCB in the indoor unit
- Cut the jumper JA on PCB.

Wireless remote controller
- Cut the jumper J4.



J4	ADDRESS
EXIST	1
CUT	2

ADDRESS: JA	
EXIST	1
CUT	2

INDOOR UNIT INSTALLATION

≪**As for the parts to be used for installation work, be sure to use the provided accessories and specified parts designated by our company.** ≫

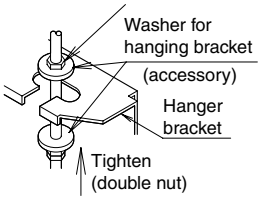
■ **Install the indoor unit temporarily.**

• Attach the hanger bracket to the suspension bolt. Be sure to fix it securely by using a nut and washer from the upper and lower sides of the hanger bracket. (Refer to Fig.)

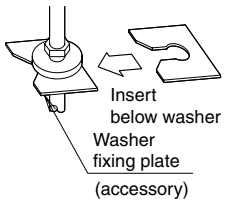
[PRECAUTION]

Since the unit uses a plastic drain pan, prevent welding spatter and other foreign substances from entering the outlet hole during installation.

[Securing the hanger bracket]



[How to secure washers]

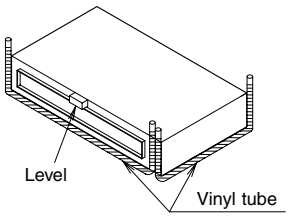


■ **Adjust the height of the unit.**

■ **Check the unit is horizontally level.**

⚠ CAUTION

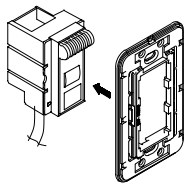
Make sure the unit is installed level using a level or a plastic tube filled with water.In using a plastic tube instead of a level ,adjust the top surface of the unit to the surface of the water at both ends of the plastic tube and adjust the unit horizontally.(One thing to watch out for in particular is if it is installed so that the slope is not in the direction of the drain piping,as this might cause leaking.)



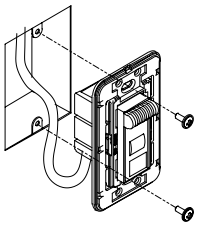
■ **Tighten the upper nut.**

■ **Mounting the receiver.**

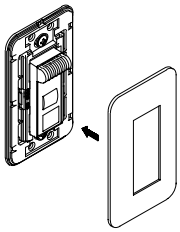
Mount the receiver as shown below.



① Press the receiver into the mounting frame.



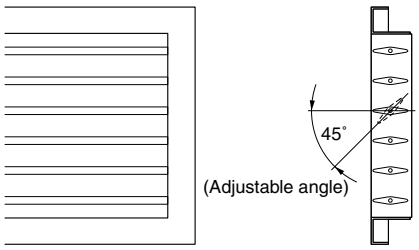
② Mount the completed assembly using two screws.



③ Press the decorative cover into the mounting frame.

Note) Mount the Remote controller cord far enough away from strong electrical wires (such as distribution wires for electrical lights, air conditioners, etc.) and from weak electrical wires (such as wires for telephones, intercoms, etc.).

For heat pump: If your feet feel cold when using the heating function, it is recommended that the air discharge grille shown at below be attached.



OUTDOOR UNIT INSTALLATION

Install as described in the installation manual supplied with the Multi outdoor unit.

REFRIGERANT PIPING WORK

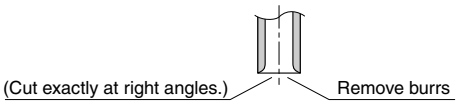
See the installation manual supplied with the Multi outdoor unit for outdoor unit.

1 FLARING THE PIPE END

1. Cut the pipe end with a pipe cutter.
2. Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
3. Put the flare nut on the pipe.
4. Flare the pipe.
5. Check that the flaring is properly made.

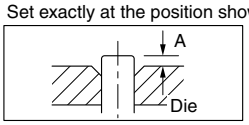
⚠ Warning

Incomplete flaring may cause refrigerant gas leakage.



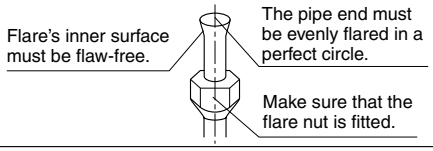
Flaring

Set exactly at the position shown below.



	A
RIGID	0.5mm
IMPERIAL	1.0mm

Check



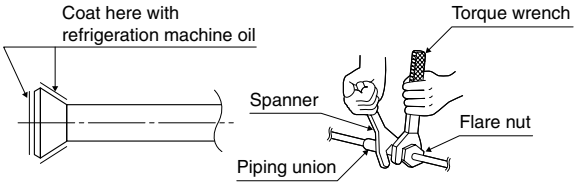
2 REFRIGERANT PIPING

1. To prevent gas leakage, apply refrigeration machine oil on both inner and outer surfaces of the flare.
2. Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
   - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.

Flare nut tightening torque		
Gas side		Liquid side
3/8 inch	1/2 inch	1/4 inch
32.7~39.9N • m (333~407kgf • cm)	49.5~60.3N • m (505~615kgf • cm)	14.2~17.2N • m (144~175kgf • cm)

⚠ CAUTION

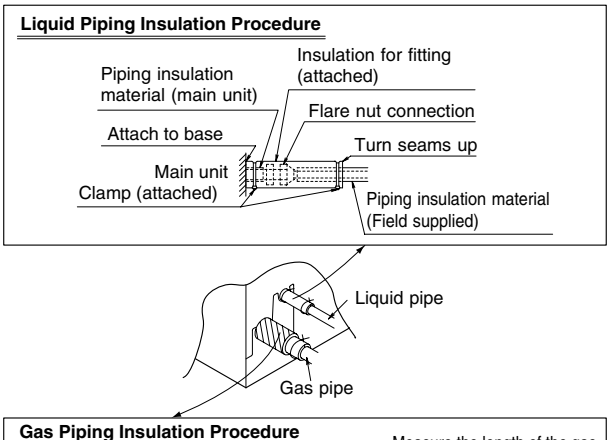
Overtightening may damage the flare and cause leaks.



3. **After the work is finished, make sure to check that there is no gas leak.**
4. **After checking for gas leaks, be sure to insulate the pipe connections.**
   - Insulate using the insulation for fitting included with the liquid and gas pipes. Besides, make sure the insulation for fitting on the liquid and gas piping has its seams facing up. (Tighten both edges with clamp.)
   - For the gas piping, wrap the medium sealing pad over the insulation for fitting (flare nut part).

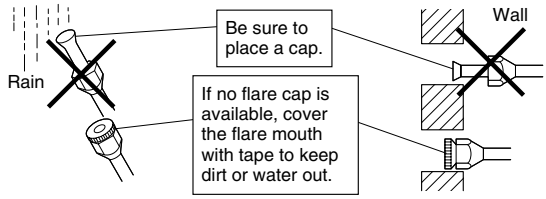
⚠ CAUTION

Be sure to insulate any field piping all the way to the piping connection inside the unit. Any exposed piping may cause condensation or burns if touched.



Cautions on Pipe Handling

- Protect the open end of the pipe against dust and moisture.
  (Tighten both edges with clamp.)
- All pipe bends should be as gentle as possible.
  Use a pipe bender for bending.
  (Bending radius should be 30 to 40mm or larger.)



Selection of Copper and Heat Insulation materials

When using commercial copper pipes and fittings, observe the following:

- Insulation material: Polyethylene foam
  Heat transfer rate: 0.041 to 0.052W/mK (0.035 to 0.045kcal/mh°C)
  Refrigerant gas pipe's surface temperature reaches 110°C max.
  Choose heat insulation materials that will withstand this temperature.
- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

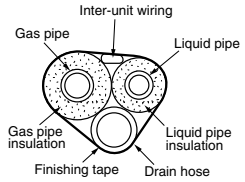
Gas side		Liquid side	Gas pipe thermal insulation		Liquid pipe thermal insulation
25 class	35 class		25 class	35 class	
O.D. 9.5mm	O.D. 12.7mm	O.D. 6.4mm	I.D. 12-15mm	I.D. 14-16mm	I.D. 8-10mm
Thickness 0.8mm			Thickness 10mm Min.		

Also, when subject to high humidity, heat insulation of the refrigerant piping (the unit piping and branch piping) must be further reinforced.
Reinforce the insulation when installing the unit near bathrooms, kitchens, and other similar locations.
Refer to the following:

- 30°C, more than 75% RH: 20mm Min. in thickness

If the insulation is not sufficient, condensation may form on the surface of the insulation.

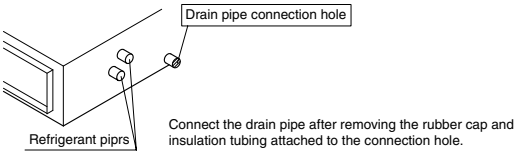
- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.



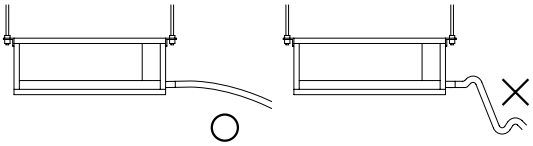
DRAIN PIPING WORK

⚠ CAUTION
Make sure all water is out before making the duct connection.

■ **Install the drain piping.**



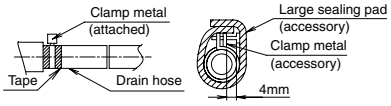
- Make sure the drain works properly.
- The diameter of the drain pipe should be greater than or equal to the diameter of the connecting pipe (vinyl tube; pipe size: 20mm; outer dimension: 26mm).
- Keep the drain pipe short and sloping downwards at a gradient of at least 1/100 to prevent air pockets from forming.



⚠ CAUTION
Water accumulating in the drain piping can cause the drain to clog.

- To keep the drain tube from sagging, space hanging wires every 1 to 1.5m.
- Use the drain hose and the metal clamp. Insert the drain hose fully into the drain socket and firmly tighten the metal clamp with the upper part of the tape on the hose end. Tighten the metal clamp until the screw head is less than 4mm from the hose.
- The two areas below should be insulated because condensation may form there causing water to leak.
  - Drain piping passing indoors
  - Drain sockets

  Referring the figure below, insulate the metal clamp and drain hose using the included large sealing pad.

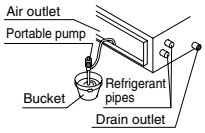


<**PRECAUTIONS**>
Drain piping connections
- Do not connect the drain piping directly to sewage pipes that smell of ammonia. The ammonia in the sewage might enter the indoor unit through the drain pipes and corrode the heat exchanger.
- Do not twist or bend the drain hose, so that excessive force is not applied to it.

(This type of treatment may cause leaking.)

■ **After piping work is finished, check drainage flows smoothly.**
- Gradually insert approximately 1L of water into the drain pan to check drainage in the manner described below.

  - Gradually pour approximately 1L of water from the outlet hole into the drain pan to check drainage.
  - Check the drainage.

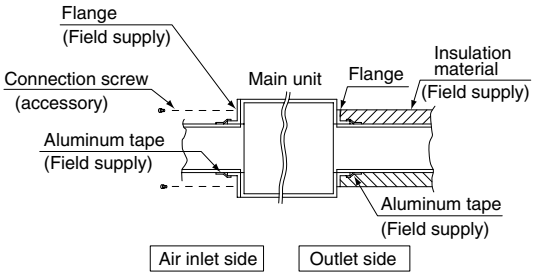


INSTALLING THE DUCT

Connect the duct supplied in the field.

Air inlet side
- Attach the duct and intake-side flange (field supply).
- Connect the flange to the main unit with accessory screws (in 20 or 24 positions for CDKD series, in 16 positions for CDXD series).
- Wrap the intake-side flange and duct connection area with aluminum tape or something similar to prevent air escaping.

⚠ CAUTION
Be sure to attach an air filter inside the air passage on the intake side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique.)



Outlet side
- Connect the duct according to the inside of the outlet-side flange.
- Wrap the outlet-side flange and the duct connection area with aluminum tape or something similar to prevent air escaping.

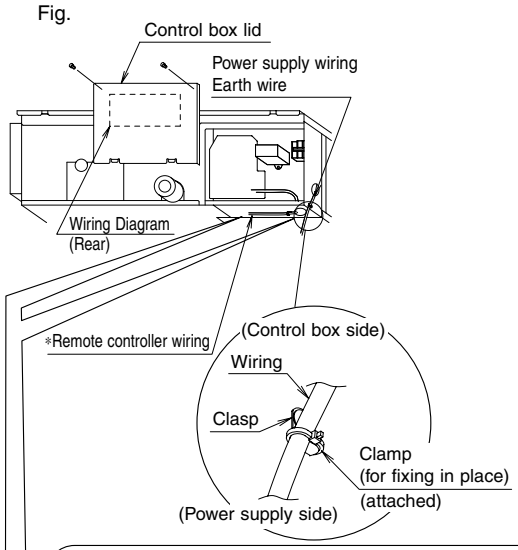
⚠ CAUTION
- Be sure to insulate the duct to prevent condensation from forming. (Material: glass wool or polyethylene foam, 25mm thick)
- Use electric insulation between the duct and the wall when using metal ducts to pass metal laths of the net or fence shape or metal plating into wooden buildings.

WIRING

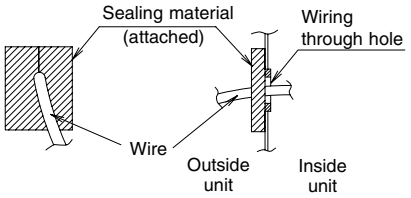
See the installation manual supplied with the Multi outdoor unit for outdoor unit.

■ **HOW TO CONNECT WIRINGS**

- Wire only after removing the control box lid as shown in the Fig.



⚠
- Make sure to let a wire go through a wire penetration area.
- After wiring, seal the wire and wire penetration area to prevent moisture and small creatures from the outside.
- Wrap the strong and weak electric lines with the sealing material as shown in the figure below.
  (Otherwise, moisture or small creatures such as insects from the outside may cause short-circuit inside the control box.)
  Attach securely so that there are no gaps.



[How to adhere it]

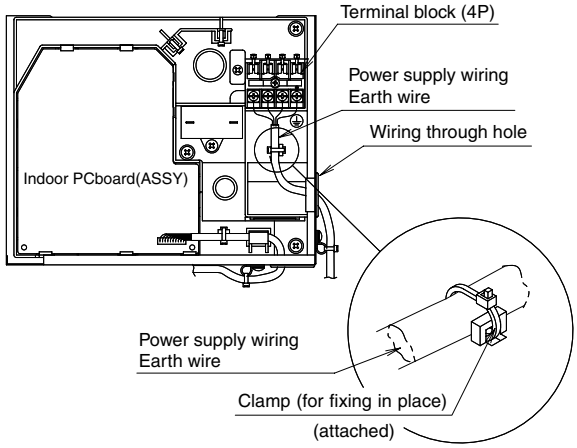
⚠ CAUTION

- When clamping the wiring, use the included clamping material as shown in the Fig. to prevent outside pressure being exerted on the wiring connections and clamp firmly.
- When doing the wiring, make sure the wiring is neat and does not cause the control box lid to stick up, then close the cover firmly. When attaching the control box lid, make sure you do not pinch any wires.
- Outside the machine, separate the weak wiring (remote controller) and strong wiring (earth wire and power supply wiring) at least 50mm so that they do not pass through the same place together. Proximity may cause electrical interference, malfunctions, and breakage.

[PRECAUTIONS]

- See also the “Electrical Wiring Diagram Nameplate” when wiring the unit for electrical power.

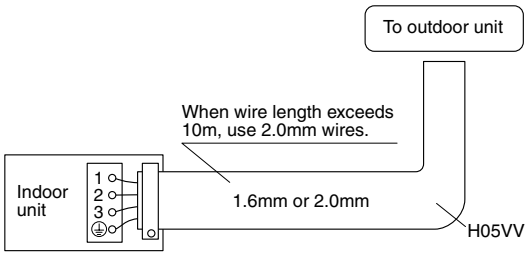
[Connecting electrical wiring]



- **Power supply wiring and Earth wire**
  Remove the control box lid.
  Next, pull the wires into the unit through the wiring through hole and connect to the power wiring terminal block (4P).
  Be sure to put the part of the sheathed vinyl into the control box.

⚠ Warning

Do not use tapped wires, stand wires, extensioncords, or starbust connections, as they may cause overheating, electrical shock, or fire.



TRIAL OPERATION AND TESTING

Trial Operation and Testing

(1) Measure the supply voltage and make sure that it falls in the specified range.
(2) Trial operation should be carried out in either cooling or heating mode.

Trial operation from Remote Controller
(1) Press ON/OFF button to turn on the system. (2) Simultaneously press center of TEMP button and MODE button. (3) Press MODE button twice. (“T” will appear on the display to indicate that Trial Operation mode is selected.) (4) Trial run mode terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press ON/OFF button.

For Heat pump

In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.
- Trial operation may be disabled in either mode depending on the room temperature.
- After trial operation is complete, set the temperature to a normal level (26˚C to 28˚C in cooling mode, 20˚C to 24˚C in heating mode).
- For protection, the system disables restart operation for 3 minutes after it is turned off.

For Cooling Only

Select the lowest programmable temperature.
- Trial operation in cooling mode may be disabled depending on the room temperature.
  Use the remote control for trial operation as described below.
- After trial operation is complete, set the temperature to a normal level (26˚C to 28˚C).
- For protection, the unit disables restart operation for 3 minutes after it is turned off.

(3) Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, are working properly.
* The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
* If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is turned on again.

Test Items

Test Items	Symptom (diagnostic display on RC)	Check
Indoor and outdoor units are installed properly on solid bases.	Fall, vibration, noise	
No refrigerant gas leaks.	Incomplete cooling/heating function	
Refrigerant gas and liquid pipes and indoor drain hose extension are thermally insulated.	Water leakage	
Draining line is properly installed.	Water leakage	
System is properly earthed.	Electrical leakage	
The specified wires are used for interconnecting wire connections.	Inoperative or burn damage	
Indoor or outdoor unit’s air inlet or discharge has clear path of air. Shut-off valves are opened.	Incomplete cooling/heating function	
Indoor unit properly receives remote controller commands.	Inoperative	

C : 3P132002-5B

4

1.7 Floor / Ceiling Suspended Dual Type FLK(X) 25/35/50/60 A

ACCESSORIES

Indoor unit Ⓐ ~ Ⓠ , **Outdoor unit** Ⓡ

Ⓐ Mounting plate	1	Ⓖ AAA dry-cell batteries	2	Ⓝ Heat insulation tube (Refrigerant pipe)	1
Ⓑ Mounting plate fixing screws M4 X 25L	10	Ⓗ Photocatalytic deodorizing filter	1	Ⓟ Heat insulation tube (Extension auxiliary pipe)	1
Ⓒ Air purifying filter	1	Ⓙ Side covers	2	Ⓠ Binding bands	4
Ⓓ Wireless remote controller	1	Ⓚ Operation manual	1	Ⓡ Drain plug (Heat pump-Models)	1
Ⓔ Remote controller holder	1	Ⓛ Installation manuals	2		
Ⓕ Fixing screws for remote controller holder M3 X 20L	2	Ⓜ Extension auxiliary pipe	2		

• The extension auxiliary pipe Ⓜ Ⓟ is not included for FLX25, FLK25.

CHOOSING A SITE

• Before choosing the installation site, obtain user approval.

Indoor unit

The indoor unit should be sited in a place where:
- the restrictions on installation specified in the indoor unit installation drawings are met,
- both air intake and exhaust have clear paths met,
- the unit is not in the path of direct sunlight,
- the unit is away from the source of heat or steam,
- there is no source of machine oil vapour (this may shorten indoor unit life),
- cool air is circulated throughout the room,
- the unit is away from electronic ignition type fluorescent lamps (inverter or rapid start type) as they may shorten the remote control range, and
- the unit is at least 1 metre away from any television or radio set (unit may cause interference with the picture or sound).

Outdoor unit

The outdoor unit should be sited in a place where:
- the restrictions on installation specified in the outdoor unit installation diagram are met,
- drain water causes no trouble or problem in particular,
- both air intake and exhaust have clear paths of air (they should be free of snow in snowy districts),
- the unit is in a clear path of air but not directly exposed to rain, strong winds, or direct sunlight,
- there is no fear of inflammable gas leakage,
- the unit is no directly exposed to salt, sulfidized gases, or machine oil vapour (they may shorten outdoor unit life).
- operation noise or hot air flow does not cause trouble to neighbours, and
- the unit is at least 3 metres away from any television or radio antenna.

Wireless Remote Controller

- Turn on all the fluorescent lamps in the room, if any, and find the site where remote control signals are properly received by the indoor unit (within 4 metres).

BEFORE INSTALLING THE INDOOR UNIT

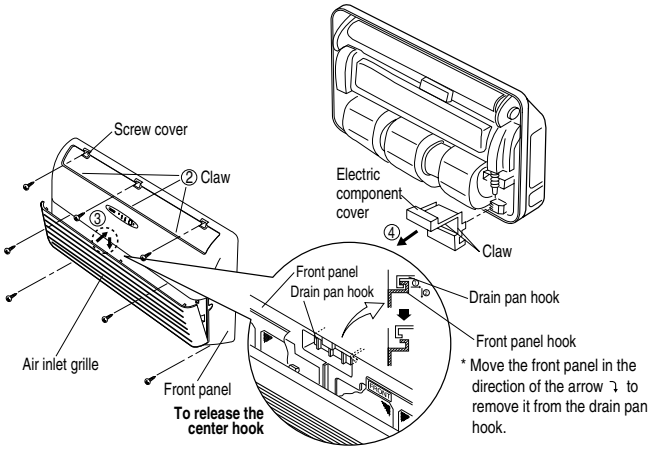
• Perform the following before installing the indoor unit.

① Open the air inlet grille and the screw cover, and remove the seven screws.

② Release the claws in the 3 places indicated.

③ Release the center hook and remove the front panel.

④ Release the claws in the 2 places indicated and remove the electric component cover.



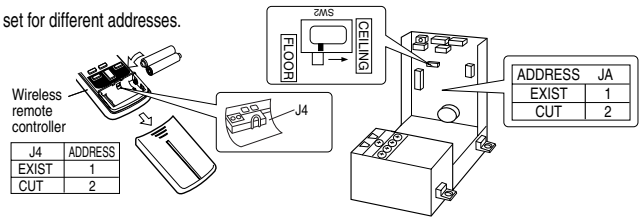
INSTALLATION TIPS

■ **How to the different addresses.**
- When two indoor units installed in one room, the two wireless remote controllers can be set for different addresses.

PCB in the indoor unit
- Remove the electric component cover.
(Refer to the BEFORE INSTALLING THE INDOOR UNIT.)
- Cut the jumper JA on PCB.

Wireless remote controller Cut the jumper J4

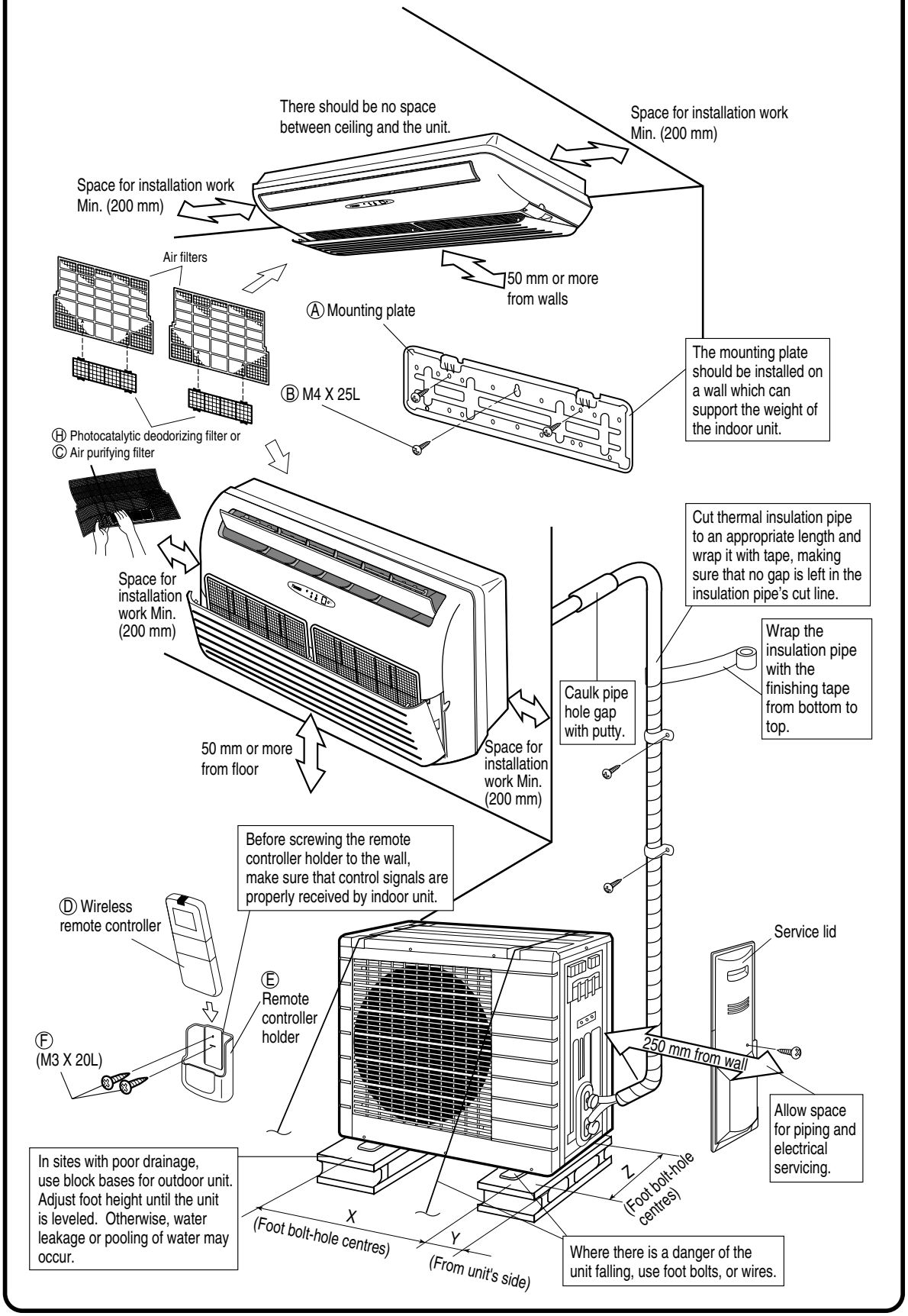
■ **In case of Ceiling suspended use.**
- Slide the switch(SW2)to "CEILING" in case of installing on the ceiling.



J4	ADDRESS
EXIST	1
CUT	2

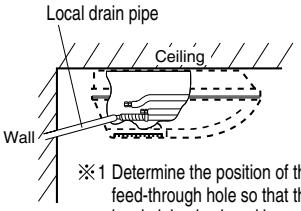
ADDRESS	JA
EXIST	1
CUT	2

INDOOR/OUTDOOR UNIT INSTALLATION DRAWINGS

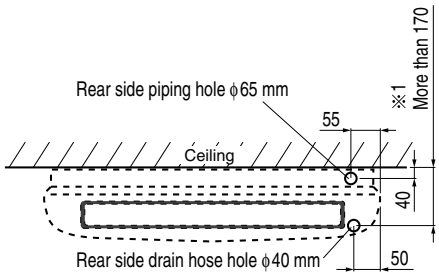


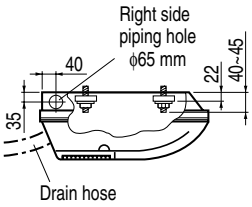
INDOOR/OUTDOOR UNIT INSTALLATION DRAWINGS

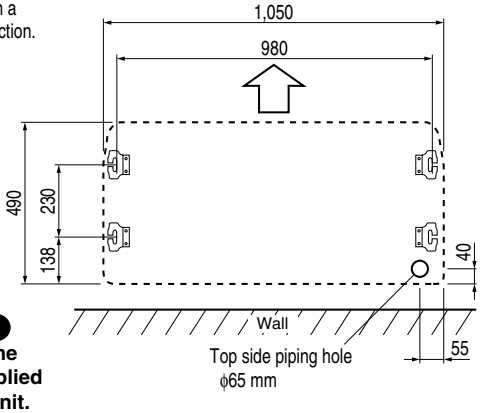
Ceiling mounting



※1 Determine the position of the feed-through hole so that the local piping is placed in a downward sloping direction.

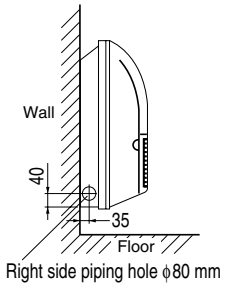


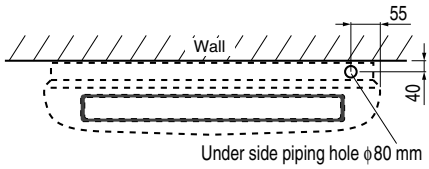


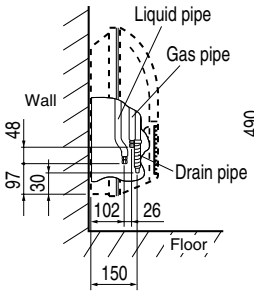


With a Multi indoor unit, install as described in the installation manual supplied with the Multi outdoor unit.

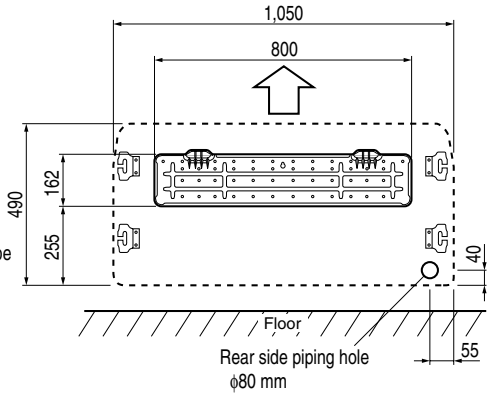
Wall mounting







Connection position



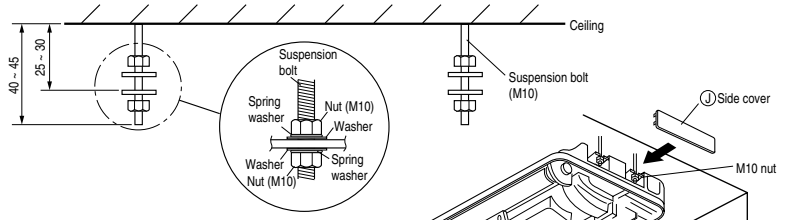
Model	25 class	35/50 class	60 class
Max. allowable length	* See the installation manual supplied with the Multi outdoor unit.		
Max. allowable height			
Additional refrigerant required for refrigerant pipe exceeding 10 m in length.			
X			
Y			
Z			
Gas pipe	O.D. 9.5 mm	O.D. 12.7 mm	O.D. 15.9 mm
Liquid pipe	O.D. 6.4 mm		

* Be sure to add the proper amount of additional refrigerant. Failure to do so may result in reduced performance.

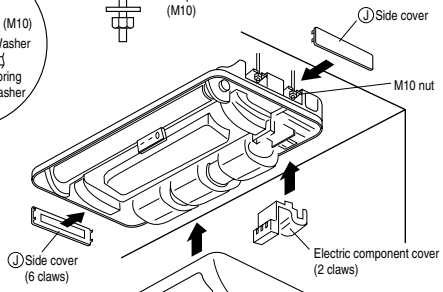
CEILING MOUNTING

1 INSTALLING THE SUSPENSION BOLT

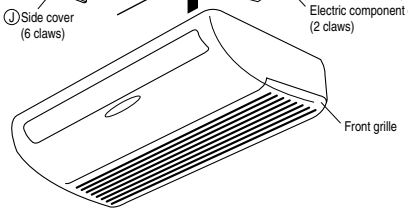
- Install the suspension bolt so that it can support the indoor unit; adjust distance to ceiling before installation.



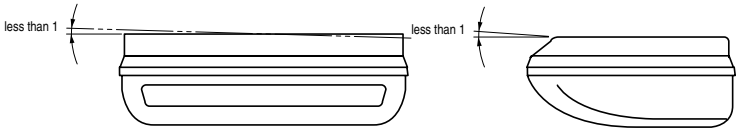
- Mount the indoor unit according to the installation drawings and tighten it securely with M10 nut. (4 places)



- After mounting the indoor unit on the ceiling, install each part as shown in the diagram on the right.



Incline condition for installation



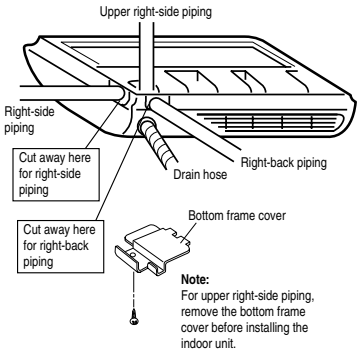
2 INSTALLING INDOOR UNIT

(1) Connect the extension auxiliary pipe (Ⓜ, supplied) to the local piping. (See WALL MOUNTING 1. INSTALLATION) (Applies to both ceiling mounting and wall mounting units.)

(2) Prepare the local piping at the connection point for the drain pipe, as shown in the installation drawings.

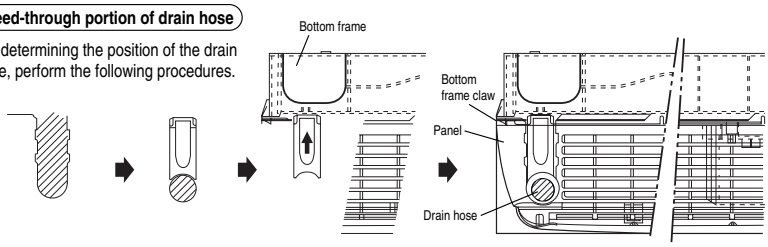
Note:
Be sure to place the drain hose as shown in the diagram on the right, in a downward sloping direction.

(3) Connect the drain hose to the local drain pipe. Position the interconnecting wire in the same direction as the piping.



Feed-through portion of drain hose

For determining the position of the drain hose, perform the following procedures.



① Cut out with a nipper. ② Cut out the drain hose portion. ③ Screw it to the bottom frame. ④ After determining the position of the drain hose, hook the panel to the bottom frame claws.

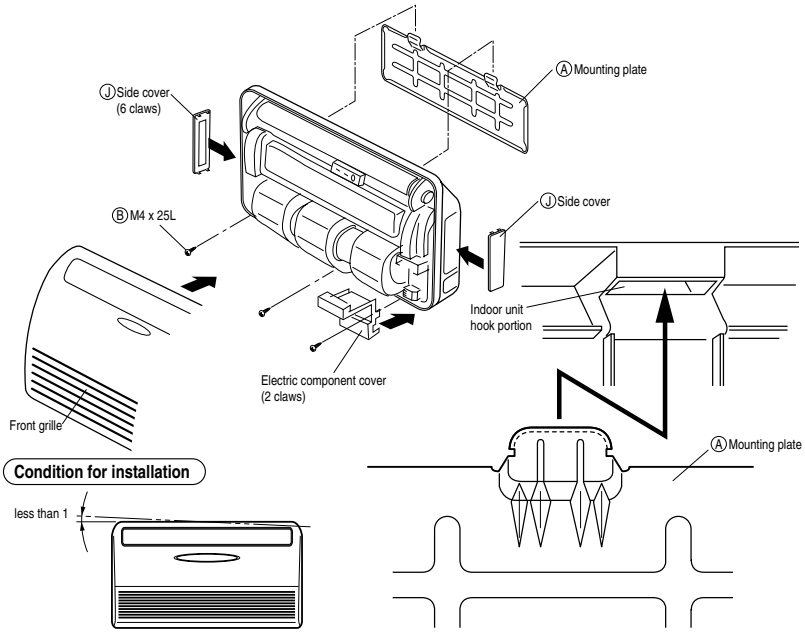
WALL MOUNTING

1 INSTALLATION

• Install the indoor unit on the wall according to the installation drawings.

(1) Hang the indoor unit on the hooks of Ⓐ mounting plate. (2 places)

(2) Fix the three holes in the lower portion of the indoor unit with Ⓑ M4 x 25L screws.

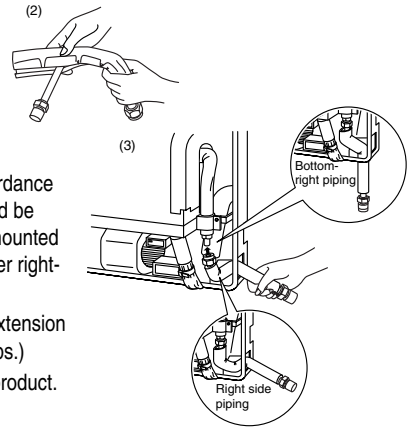


• Work should be performed to match the direction of the piping, as the extension auxiliary pipe (Ⓜ, supplied) and installation methods vary depending on the direction the piping is brought out.

(1) Select the extension auxiliary pipe in accordance with the direction of the piping. (This should be done without the included piping for wall-mounted right-back piping and ceiling-mounted upper right-side piping.)

(2) Attach the heat insulation tube Ⓟ to the extension auxiliary pipe. (Make sure there are no gaps.)

(3) Attach the extension auxiliary pipe to the product.

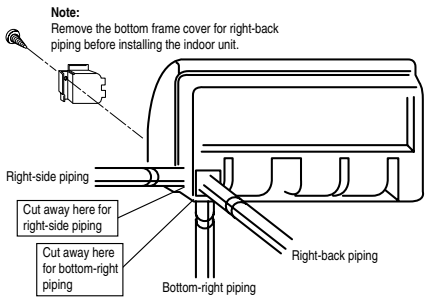


2 INSTALLING INDOOR UNIT

(1) Connect the extension auxiliary pipe (Ⓜ , supplied) to the local piping. (Applies to both ceiling mounting and wall mounting units.)

(2) Prepare the local piping at the connection point for the drain pipe, as shown in the installation drawings.

(3) Connect the drain hose to the local drain pipe.
Position the interconnecting wire in the same direction as the piping.

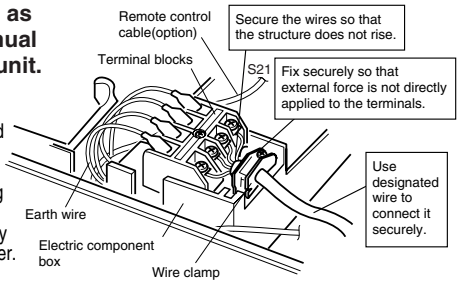


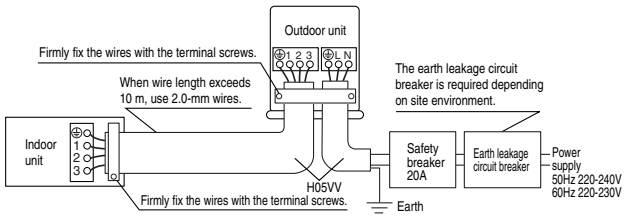
COMMONALITY BETWEEN CEILING MOUNTING AND WALL MOUNTING

1 WIRING

With a Multi indoor unit , install as described in the installation manual supplied with the Multi outdoor unit.

(1) Strip wire ends (15 mm).
(2) Match wire colours with terminal numbers on indoor and outdoor units' terminal blocks and firmly screw wires to the corresponding terminals.
(3) Connect the earth wires to the corresponding terminals.
(4) Pull wires to make sure that they are securely latched up, then retain wires with wire retainer.
(5) In case of connecting to an adapter system.
Run the remote control cable and attach the S21 connector as the illustration on the right.
(6) Shape the wires so that the service lid fits securely, then close service lid.





⚠ Warning

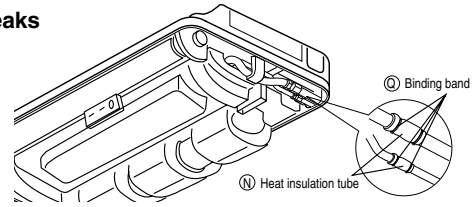
Do not use tapped wires,stand wires, extensioncords, or starbust connections, as they may cause overheating, electrical shock,or fire.

2 INSULATION OF REFRIGERANT PIPES

After checking for refrigerant leaks

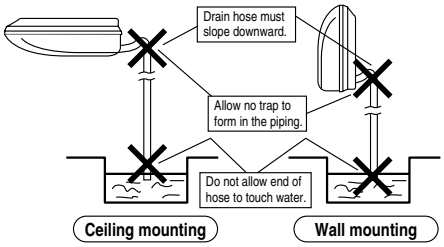
- Joints in liquid pipe and the gas pipe must be insulated with Ⓝ heat insulation tube attached with Ⓠ binding bands.

* Cut Ⓝ heat insulation tube to appropriate length.

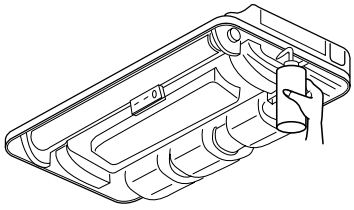


3 DRAIN PIPING

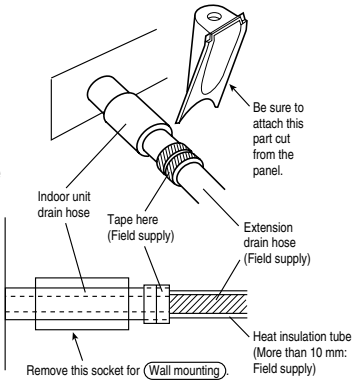
- Connect the drain hose, as described below.

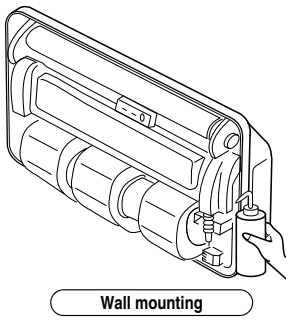


- Pour water into the drain pan from the right side to check that water flows smoothly from the drain hose.



- When drain hose requires extension, obtain an extension hose commercially available.
After connecting the local drain hose, tape the slits of the heat insulation tube.





3P082574-5E

2. Outdoor Units

2.1 Safety Precautions

Safety Precautions

- Read these Safety Precautions carefully to ensure correct installation.
- This manual classifies the precautions into WARNINGS and CAUTIONS.
  Be sure to follow all the precautions below: they are all important for ensuring safety.

⚠ WARNINGS	Failure to follow any of WARNING is likely to result in such grave consequences as death or serious injury.
⚠ CAUTIONS	Failure to follow any of CAUTION may in some cases result in grave consequences.

- The following safety symbols are used throughout this manual:

❗	Be sure to observe this instruction.	⏚	Be sure to establish an earth connection.	⃠	Never attempt.

- After completing installation, test the unit to check for installation errors. Give the user adequate instructions concerning the use and cleaning of the unit according to the Operation Manual.

⚠ WARNINGS

- Installation should be left to the dealer or another professional.
  Improper installation may cause water leakage, electrical shock, or fire.
- Install the air conditioner according to the instructions given in this manual.
  Incomplete installation may cause water leakage, electrical shock, or fire.
- Be sure to use the supplied or specified installation parts.
  Use of other parts may cause the unit to come to lose, water leakage, electrical shock, or fire.
- Install the air conditioner on a solid base that can support the unit's weight.
  An inadequate base or incomplete installation may cause injury in the event the unit falls off the base.
- Electrical work should be carried out in accordance with the installation manual and the national electrical wiring rules or code of practice.
  Insufficient capacity or incomplete electrical work may cause electrical shock or fire.
- Be sure to use a dedicated power circuit. Never use a power supply shared by another appliance.
- For wiring, use a cable long enough to cover the entire distance with no connection.
  Do not use an extension cord. Do not put other loads on the power supply, use a dedicated power circuit. (Failure to do so may cause abnormal heat, electric shock or fire.)
- Use the specified types of wires for electrical connections between the indoor and outdoor units.
  Firmly clamp the interconnecting wires so their terminals receive no extemal stresses. Incomplete connections or clamping may cause terminal overheating or fire.
- After connecting interconnecting and supply wiring be sure to shape the cables so that they do not put undue force on the electrical covers or panels.
  Install covers over the wires. Incomplete cover installation may cause terminal overtheating, electrical shock, or fire.
- When installing or relocating the system, be sure to keep the refrigerant circuit free from substances other than the specified refrigerant (R-22), such as air.
  (Any presence of air or other foreign substance in the refrigerant circuit causes an abnormal pressure rise or rupture, resulting in injury.)
- The unit is out of reach of children-at least 2.3m above the floor.
- If any refrigerant has leaked out during the installation work, ventilate the room. ❗
  (The refrigerant produces a toxic gas if exposed to flames.)
- After all installation is complete, check to make sure that no refrigerant is leaking out. ❗
  (The refrigerant produces a toxic gas if exposed to flames.)
- Be sure to establish an earth. Do not earth the unit to a utility pipe, arrester, or telephone earth. ⏚
  Incomplete earth may cause electrical shock, or fire. A high surge current from lightning or other sources may cause damage to the air conditioner.
- Be sure to install an earth leakage breaker. Failure to install an earth leakage breaker may result in electric shocks, or fire.

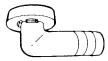
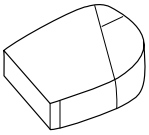
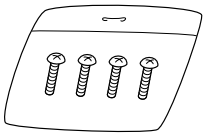
⚠ CAUTIONS

- Do not install the air conditioner in a place where there is danger of exposure to inflammable gas leakage. ⃠
  If the gas leaks and builds up around the unit, it may catch fire.
- Establish drain piping according to the instructions of this manual. Inadequate piping may cause flooding.
- Tighten the flare nut according to the specified method such as with a torque wrench.
  If the flare nut is tightened too hard, the flare nut may crack after a long time and cause refrigerant leakage.
- Make sure to provide for adequate measures in order to prevent that the outdoor unit be used as a shelter by small animals.
  Small animals making contact with electrical parts can cause malfunctions, smoke or fire. Please instruct the customer to keep the area around the unit clean.

2.2 2MKD58DVM, 3MKD58DVM, 3MKD75DVM, 4MKD75DVM

Accessories

Accessories supplied with the outdoor unit:

(A) Installation Manual	1	(B) Drain plug  There is on the bottom packing case.	1
(C) Reducer assy  There is on the bottom packing case.	1	(D) Screw bag (For fixing electrical wire anchor bands)  There is on the bottom packing case.	1

Precautions for Selecting the Location

OUTDOOR UNIT

1) Choose a place solid enough to bear the weight and vibration of the unit, where the operation noise will not be amplified.
2) Choose a location where the hot air discharged from the unit or the operation noise will not cause a nuisance to the neighbors of the user.
3) Avoid places near a bedroom and the like, so that the operation noise will cause no trouble.
4) There must be sufficient spaces for carrying the unit into and out of the site.
5) There must be sufficient space for air passage and no obstructions around the air inlet and the air outlet.
6) LThe site must be free from the possibility of flammable gas leakage in a nearby place.
   Locate the unit so that the noise and the discharged hot air will not annoy the neighbors.
7) Install units, power cords and inter-unit cables at least 3 meter away from television and radio sets. This is to prevent interference to images and sounds. (Noises may be heard even if they are more than 3 meter away depending on radio wave conditions.)
8) In coastal areas or other places with salty atmosphere of sulfate gas, corrosion may shorten the life of the air conditioner.
9) Since drain flows out of the outdoor unit, do not place under the unit anything which must be kept away from moisture.

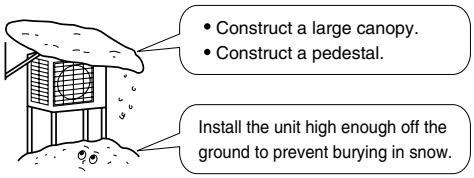
NOTE

Cannot be installed hanging from ceiling or stacked.

CAUTIONS

When operating the air conditioner in a low outdoor ambient temperature, be sure to follow the instructions described below.

1) To prevent exposure to wind, install the outdoor unit with its suction side facing the wall.
2) Never install the outdoor unit at a site where the suction side may be exposed directly to wind.
3) To prevent exposure to wind, it is recommended to install a baffle plate on the air discharge side of the outdoor unit.
4) In heavy snowfall areas, select an installation site where the snow will not affect the unit.

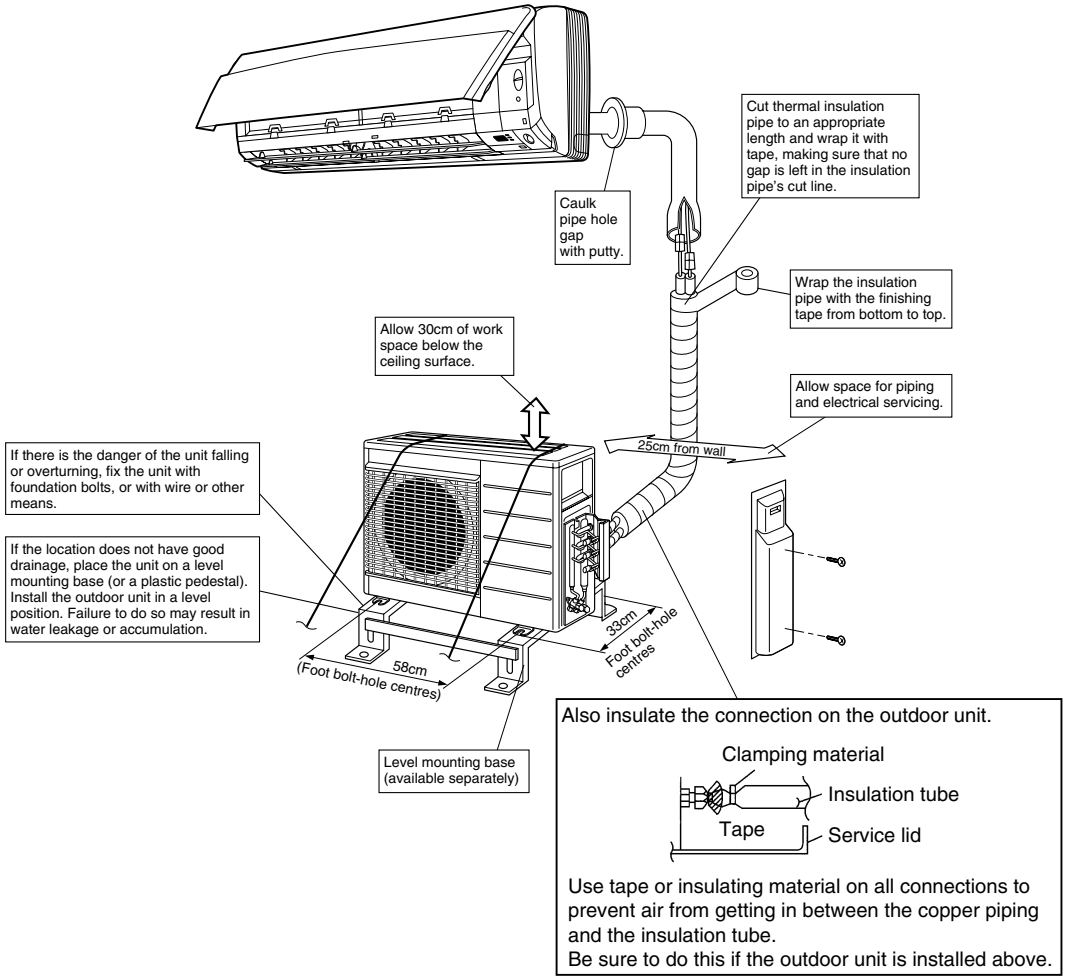


Indoor/Outdoor Unit Installation Drawings

For installation of the indoor units, refer to the installation manual which was provided with the units.
(The diagram shows a wall-mounted indoor unit.)

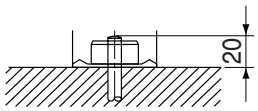
⚠ CAUTION

- Do not connect the embedded branch piping and the outdoor unit when only carrying out piping work without connecting the indoor unit in order to add another indoor unit later.
  Make sure no dirt or moisture gets into either side of the embedded branch piping.
  See “6 Refrigerant Piping Work” in “Outdoor Unit” for details.
- It is possible to connect the indoor unit for one room only.



Precautions on Installation

- Check the strength and level of the installation ground so that the unit will not cause any operating vibration or noise after installed.
- In accordance with the foundation drawing in fix the unit securely by means of the foundation bolts. (Prepare four sets of M8 or M10 foundation bolts, nuts and washers each which are available on the market.)
- It is best to screw in the foundation bolts until their length are 20mm from the foundation surface.



Installation

- Install the unit horizontally.
- The unit may be installed directly on a concrete verandah or a solid place if drainage is good.
- If the vibration may possibly be transmitted to the building, use a vibration-proof rubber (field supply).

Connections (Connection Port)

Install the indoor unit according to the table below, which shows the relationship between the class of indoor unit and the corresponding port.
The total indoor unit class that can be connected to this unit:

Cooling only type: 2MKD58∗ – Up to 10.0kW
3MKD58∗ – Up to 10.0kW
3MKD75∗ – Up to 13.5kW
4MKD75∗ – Up to 13.5kW

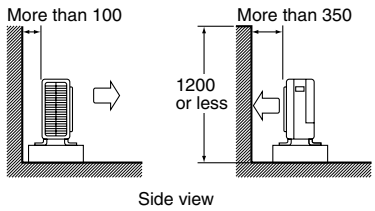
Port	2MKD58∗	3MKD58∗	3MKD75∗	4MKD75∗
A	# (25), 35, 50	# (25), 35, 50	# (25), 35, 50	# (25), 35
B	# (25), 35, 50	# (25), 35, 50	△ ● (25), □ ● (35), □ ● (50), ● (60), 71	# (25), 35, 50
C	———	# (25), 35, 50	△ ● (25), □ ● (35), □ ● (50), ● (60), 71	△ ● (25), □ ● (35), □ ● (50), ● (60), 71
D	———	———	———	△ ● (25), □ ● (35), □ ● (50), ● (60), 71

( ) : Use a reducer to connect pipes.
: Use No. 2 and 5 reducers
△ : Use No. 7 and 8 reducers
□ : Use No. 1 and 4 reducers
● : Use No. 3 and 6 reducers
Refer to “How to Use Reducers” for information on reducer numbers and their shapes.

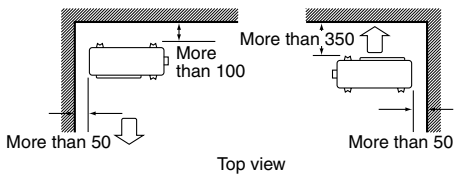
Outdoor Unit Installation Guidelines

- Where a wall or other obstacle is in the path of outdoor unit’s intake or exhaust airflow, follow the installation guidelines below.
- For any of the below installation patterns, the wall height on the exhaust side should be 1200mm or less.

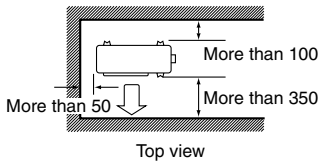
Wall facing one side



Walls facing two sides



Walls facing three sides

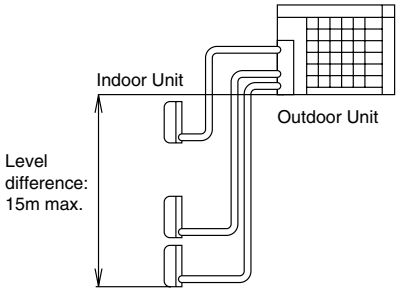


Unit: mm

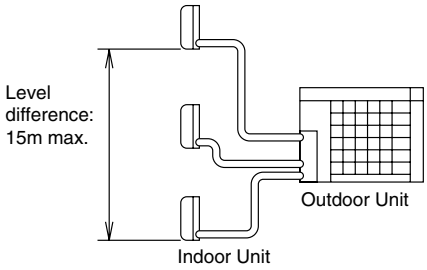
Selecting a Location for Installation of the Indoor Units

- The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below. (The shorter the refrigerant piping, the better the performance. Connect so that the piping is as short as possible. **Shortest allowable length per room is 3m.**)

Outdoor unit capacity class	2MKD58	3MKD58	3MKD75, 4MKD75
Piping to each indoor unit	25m max.		
Total length of piping between all units	35m max.	45m max.	60m max.



If the outdoor unit is positioned higher than the indoor units.



If the outdoor unit is positioned otherwise.
(If lower than one or more indoor units)

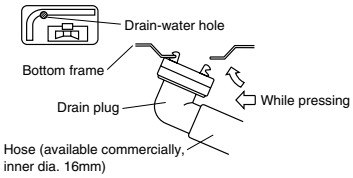
Outdoor Unit

1 Installing outdoor unit

- When installing the outdoor unit, refer to “Precautions for Selecting the Location” and the “Indoor/Outdoor Unit Installation Drawings.”
- If drain work is necessary, follow the procedures below.

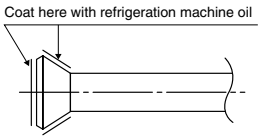
2 Drain work

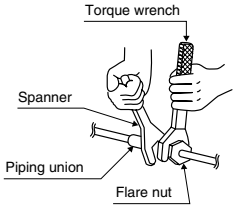
- Use drain plug for drainage.
- If the drain port is covered by a mounting base or floor surface, place additional foot bases of at least 30mm in height under the outdoor unit’s feet.
- In cold areas, do not use a drain hose with the outdoor unit. (Otherwise, drain water may freeze, impairing heating performance.)



3 Refrigerant piping

1. Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
   - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.





Flare nut tightening torque	
Flare nut for ϕ6.4	14.2-17.2N • m (144-175kgf • cm)
Flare nut for ϕ9.5	32.7-39.9N • m (333-407kgf • cm)
Flare nut for ϕ12.7	49.5-60.3N • m (505-615kgf • cm)
Flare nut for ϕ15.9	61.8-75.4N • m (630-769kgf • cm)

Valve cap tightening torque
Liquid pipe 26.5-32.3N • m (270-330kgf • cm)
Gas pipe 48.1-59.7N • m (490-610kgf • cm)

Service port cap tightening torque
10.8-14.7N • m (110-150kgf • cm)

2. To prevent gas leakage, apply refrigeration machine oil on both inner and outer surfaces of the flare. (Use refrigeration oil for R22)

Outdoor Unit

4 Purging Air and Checking Gas Leakage

- When piping work is completed, it is necessary to purge the air and check for gas leakage.
  Refer to “Purging Air and Checking Gas Leakage”.

5 Charging with Refrigerant

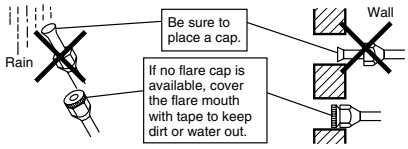
- Cooling only models (2MKD58, 3MKD58, 3MKD75, 4MKD75) are chargeless. There is no need to charge with refrigerant.

⚠ CAUTION

Even though the shut-off valve is fully closed, the refrigerant may slowly leak out; do not leave the flare nut removed for a long period of time.

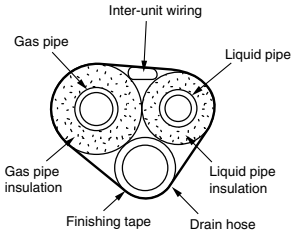
6 Refrigerant piping work

Cautions on pipe handling



- Protect the open end of the pipe against dust and moisture.
- All pipe bends should be as gentle as possible. Use a pipe bender for bending.
  (Bending radius should be 30 to 40mm or larger.)

Selection of copper and heat insulation materials



When using commercial copper pipes and fittings, observe the following:

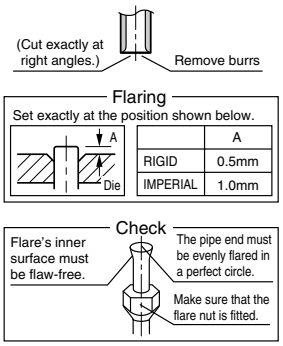
- Insulation material: Polyethylene foam
  Heat transfer rate: 0.041 to 0.052kW/mK (0.035 to 0.045kcal/mh°C)
  Refrigerant gas pipe’s surface temperature reaches 110°C max.
  Choose heat insulation materials that will withstand this temperature.
- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Pipe size	Pipe insulation
O.D.: 6.4mm / Thickness: 0.8mm	I.D.: 8 – 10mm / Thickness: 10mm min.
O.D.: 9.5mm, 12.7mm / Thickness: 0.8mm	I.D.: 12 – 15mm / Thickness: 13mm min.
O.D.: 15.9mm / Thickness: 1.0mm	I.D.: 16 – 20mm / Thickness: 13mm min.

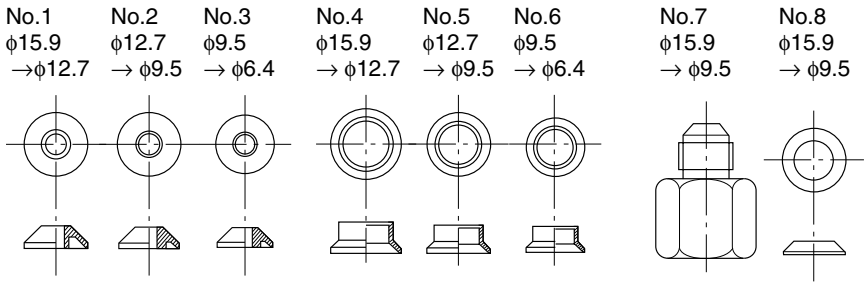
- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

7 Flaring the pipe end

1. Cut the pipe end with a pipe cutter.
2. Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
3. Put the flare nut on the pipe.
4. Flare the pipe.
5. Check that the flaring is properly made.



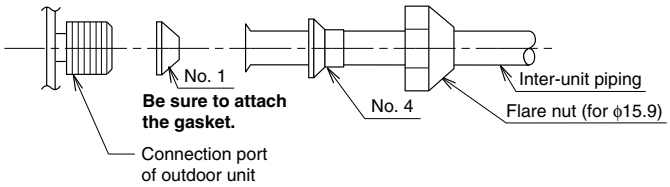
How to Use Reducers



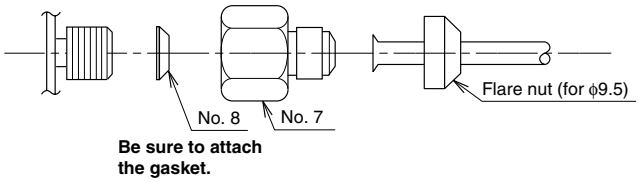
Gasket (1) Gasket (2) Reduce and gasket

Use the reducers supplied with the unit as described below.

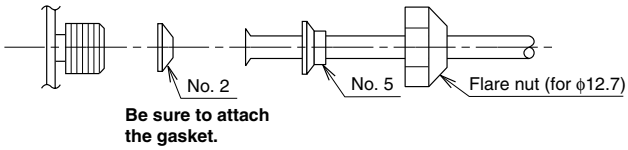
1. Connecting a pipe of ϕ12.7 to a gas pipe connection port for ϕ15.9:



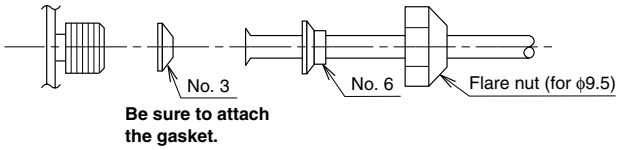
2. Connecting a pipe of ϕ9.5 to a gas pipe connection port for ϕ15.9:



3. Connecting a pipe of ϕ9.5 to a gas pipe connection port for ϕ12.7:



4. Connecting a pipe of ϕ6.4 to a liquid pipe connection port for ϕ9.5:



- When using the reducer packing shown above, be careful not to overtighten the nut, or the smaller pipe may be damaged. (about 2/3 - 1 the normal torque)
- Apply a coat of refrigeration oil to the threaded connection port of the outdoor unit where the flare nut comes in.
- Use an appropriate wrench to avoid damaging the connection thread by overtightening the flare nut.

Flare nut tightening torque	
Flare nut for ϕ6.4	14.2–17.2N • m (144–175kgf • cm)
Flare nut for ϕ9.5	32.7–39.9N • m (333–407kgf • cm)
Flare nut for ϕ12.7	49.5–60.3N • m (505–615kgf • cm)
Flare nut for ϕ15.9	61.8–75.4N • m (630–769kgf • cm)

Purging Air and Checking Gas Leakage

⚠WARNING

Do not mix any substance other than the specified refrigerant (R22) into the refrigeration cycle.

⚠WARNING

Refrigerant gas leaks during air purging, ventilate the room as soon as possible.

To prevent air pollution, a vacuum pump should be used for air purging wherever possible.

⚠WARNING

Use a vacuum pump for R22 exclusively. Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.

- If using additional refrigerant, perform air purging from the refrigerant pipes and indoor unit using a vacuum pump, then charge additional refrigerant.
- Use a hexagonal wrench (4mm) to operate the shut-off valve rod.
- All refrigerant pipe joints should be tightened with a torque wrench at the specified tightening torque.

(1) Connect projection side (on which worm pin is pressed) of charging hose (which comes from gauge manifold) to gas shut-off valve's service port.

⇩

(2) Fully open gauge manifold's low-pressure valve (Lo) and completely close its high-pressure valve (Hi). (High-pressure valve subsequently requires no operation.)

⇩

(3) Apply vacuum pumping. Check that the compound pressure gauge reads –0.1MPa (–76cmHg). Evacuation for at least 1 hour is recommended.

⇩

(4) Close gauge manifold's low-pressure valve (Lo) and stop vacuum pump.
(Leave as is for 4-5 minutes and make sure the coupling meter needle does not go back.
If it does go back, this may indicate the presence of moisture or leaking from connecting parts. After inspecting all the connection and loosening then retightening the nuts, repeat steps 2 – 4.)

⇩

(5) Remove covers from liquid shut-off value and gas shut-off valve.

⇩

(6) Turn the liquid shut-off valve's rod 90 degrees counterclockwise with a hexagonal wrench to open valve.
Close it after 5 seconds, and check for gas leakage.
Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods.
After the check is complete, wipe all soapy water off.

⇩

(7) Disconnect charging hose from gas shut-off valve's service port, then fully open liquid and gas shut-off valves. (Do not attempt to turn valve rod beyond its stop.)

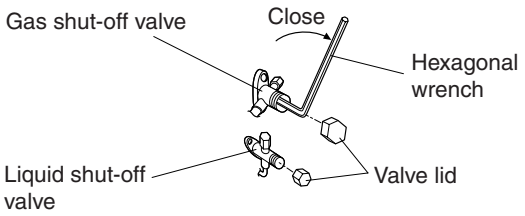
⇩

(8) Tighten valve lids and service port caps for the liquid and gas shut-off valves with a torque wrench at the specified torques. See "3 Refrigerant Piping" in "Outdoor Unit" for details.

Pump Down Operation

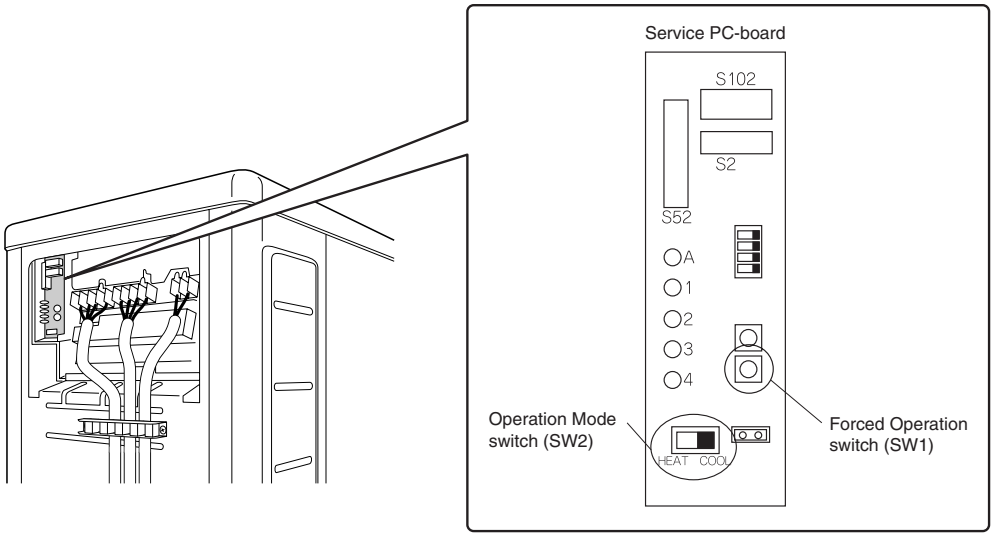
In order to protect the environment, be sure to pump down when relocating or disposing of the unit.

(1) Remove the valve lid from liquid shut-off valve and gas shut-off valve.
(2) Carry out forced cooling operation.
(3) After five to ten minutes, close the liquid shut-off valve with a hexagonal wrench.
(4) After two to three minutes, close the gas shut-off valve and stop forced cooling operation.



Forced Operation

(1) Turn the Operation Mode switch (SW2) to “COOL.”
(2) Press the Forced Operation switch (SW1) to begin forced cooling. Press the Forced Operation switch (SW1) again to stop forced cooling.



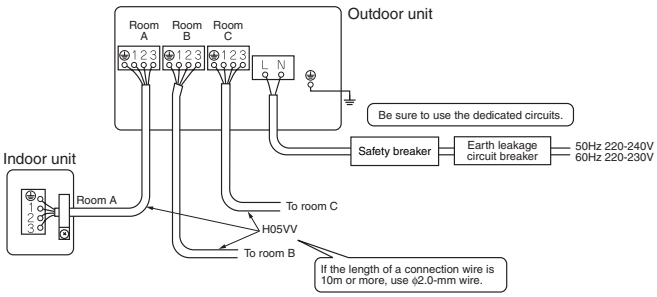
Wiring

⚠WARNING

Do not use tapped wires, stand wires, extensioncords, or starbust connections, as they may cause overheating, electrical shock, or fire.

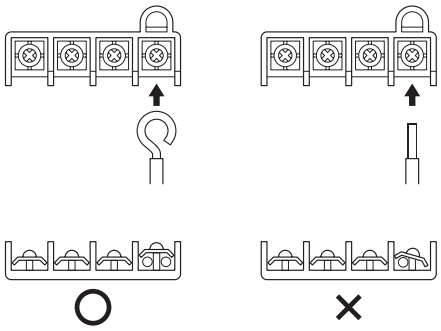
- Do not turn ON the safety breaker until all work is completed.

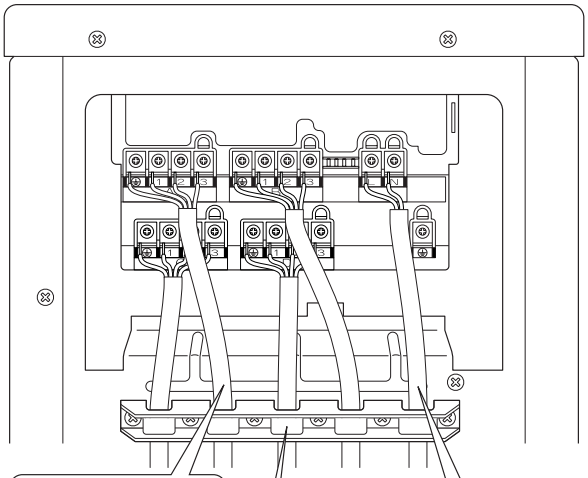
(1) Strip the insulation from the wire (20mm).
(2) Connect the connection wires between the indoor and outdoor units **so that the terminal numbers match.** Tighten the terminal screws securely. We recommend a flathead screwdriver be used to tighten the screws. The screws are packed with the terminal board.



⚠CAUTION

When connecting the connection wires to the terminal board using a single core wire, be sure to perform curling.
Problems with the work may cause heat and fires.





Shape the wires so that there is no lifting of the service hatch or other structural parts.

Use the specified wires and connect them securely.

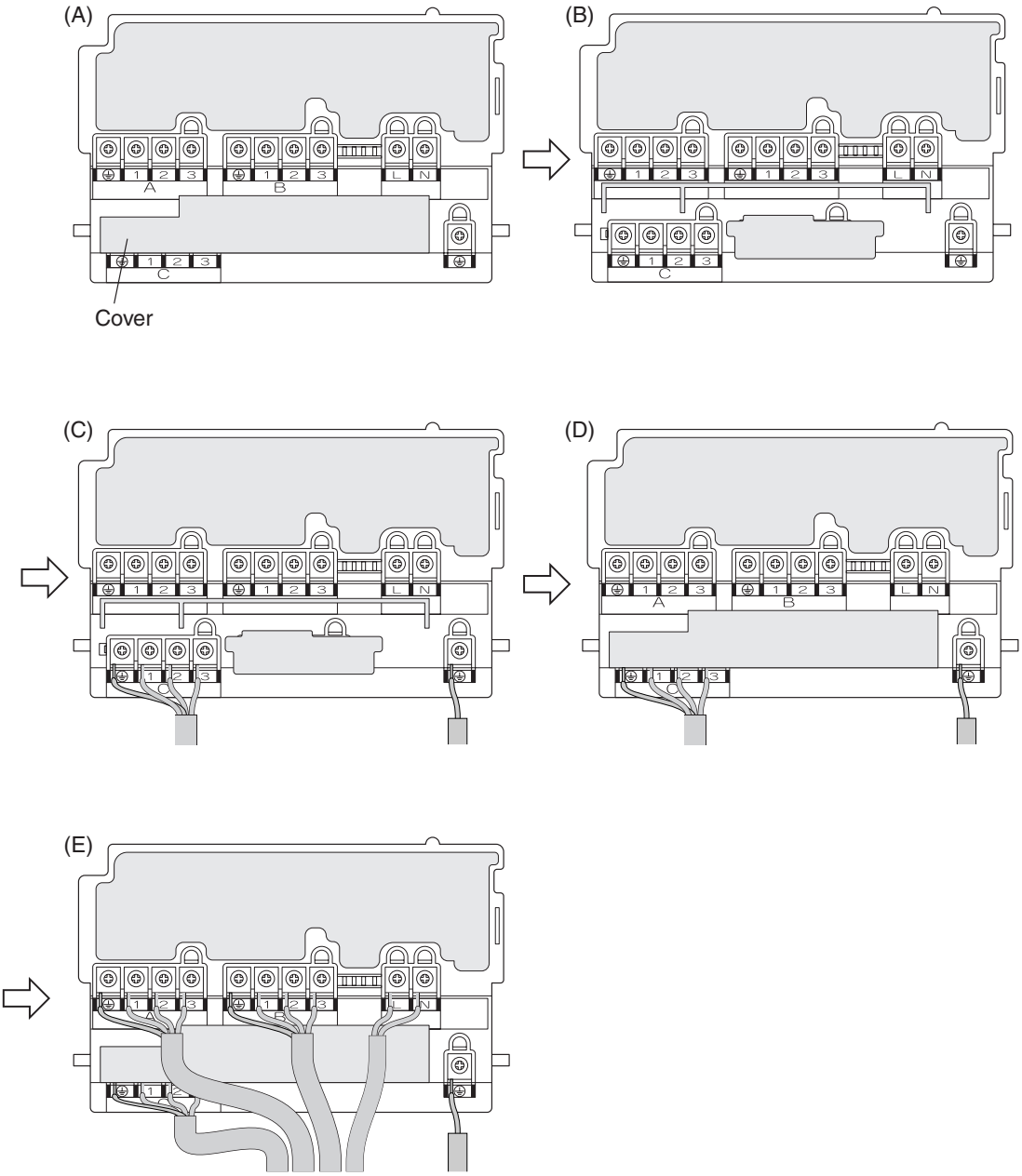
Secure the branch wiring firmly using **the 4 included screws**, as shown in the figure.
Secure firmly, making sure no outside pressure is exerted on the terminals.

(3) Pull the wire and make sure that it does not disconnect. Then fix the wire in place with a wire stop.

4

Wiring

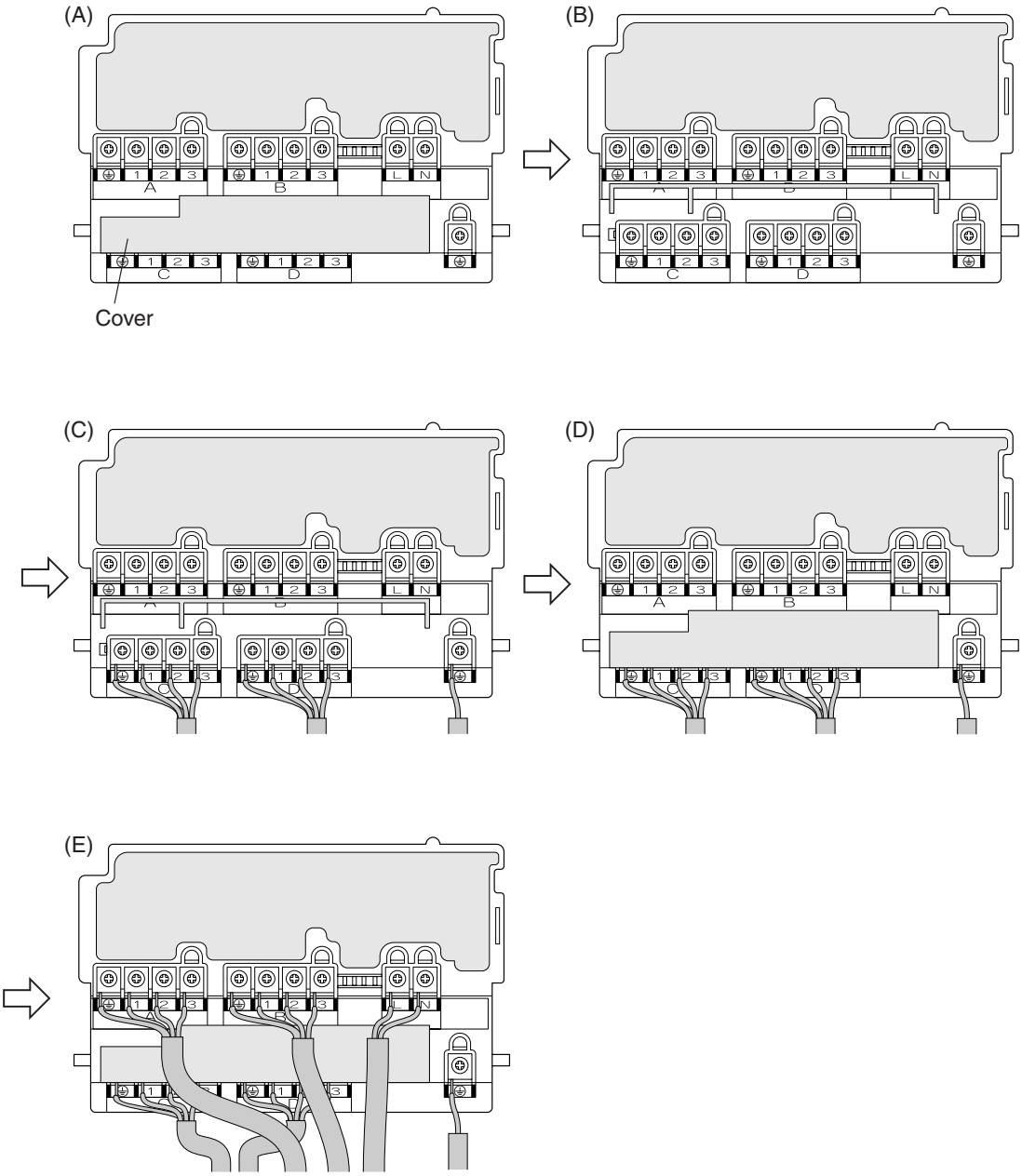
For 2MKD and 3MKD, follow the procedure below to connect the wires.



(1) Remove the service lid, and it should be as in Figure (A).
First push up the cover as shown in Figure (B), then connect room C (Figure (C)).
Be sure to connect from room C.
(2) After room C is connected, replace the cover (Figure (D)).
(3) Connect room A, B and power supply wires (Figure (E)).
(4) When connecting the power supply wires to rooms A and B, route the wires so that no force will be applied to the lid, which may otherwise be deformed. (Figure (E))

Wiring

For 4MKD, follow the procedure below to connect the wires.
(When connecting 3 or more rooms)



(1) Remove the service lid, and it should be as in Figure (A).
First push up the cover as shown in Figure (B), then connect room C, D (Figure (C)).
Be sure to connect from room C, D.
(2) After room C and D are connected, replace the cover (Figure (D)).
(3) Connect room A, B and power supply wires (Figure (E)).
(4) When connecting the power supply wires to rooms A and B, route the wires so that no force will be applied to the lid, which may otherwise be deformed. (Figure (E))

Earth

This air conditioner must be earthed.
For earthing, follow the applicable local standard for electrical installations.

Priority Room Setting

- To use Priority Room Setting, initial settings must be made when the unit is installed. Explain the Priority Room Setting, as described below, to the customer, and confirm whether or not the customer wants to use Priority Room Setting.
  Setting it in the guest and living rooms is convenient.

About the priority room setting function

The indoor unit for which Priority Room Setting is applied takes priority in the following cases.

(1) Operation mode priority

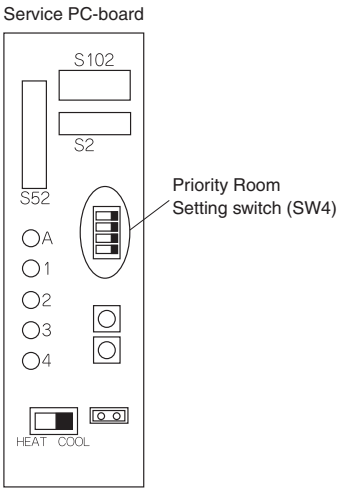
The operation mode of the indoor unit which is set for Priority Room Setting takes priority. If the set indoor unit is operating, all other indoor units do not operate and enter standby mode, according to the operation mode of the set indoor unit.

(2) Priority during high-power operation

If the indoor unit which is set for Priority Room Setting is operating at high power, the capabilities of other indoor units will be somewhat reduced. Power supply gives priority to the indoor unit which is set for Priority Room Setting.

(3) Quiet operation priority

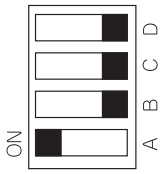
Setting the indoor unit to quiet operation will make the outdoor unit run quietly.



Setting procedure

Slide the switch to the ON side for the switch that corresponds to the piping connected to the indoor unit to be set.
(In the figure below, it is room A.)
Once the settings are complete, reset the power.

Be sure to only set one room

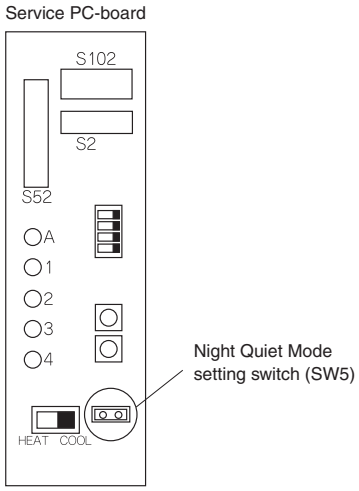


Night Quiet Mode setting

- If Night Quiet Mode is to be used, initial settings must be made when the unit is installed.
  Explain Night Quiet Mode, as described below, to the customer, and confirm whether or not the customer wants to use Night Quiet Mode.

About night quiet mode

The Night Quiet Mode function reduces operating noise of the outdoor unit at nighttime. This function is useful if the customer is worried about the effects of the operating noise on the neighbors.
However, if Night Quiet Mode is running, cooling capacity will be saved.



Setting procedure

Remove the SW5 jumper switch.
Once the settings are complete, reset the power.

NOTE

Install the removed jumper switch as described below. This switch will be needed to later disable this setting.

4

Test Run and Final Check

- Before starting the test run, measure the voltage at the primary side of the safety breaker.
- Check that all liquid and gas shut-off valves are fully open.
- Check that piping and wiring all match. The wiring error check can be conveniently used for underground wiring and other wiring that cannot be directly checked.

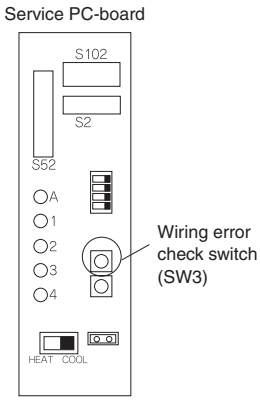
Wiring error check

- This product is capable of automatic correction of wiring error.

Press the “wiring error check switch” on the outdoor unit service monitor print board. However, the wiring error check switch will not function for one minute after the safety breaker is turned on, or depending on the outside air conditions (See Note 2.). Approximately 10 – 15 minutes after the switch is pressed, the errors in the connection wiring will be corrected.

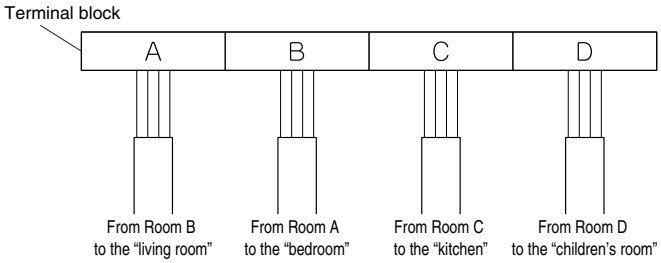
[The service monitor LEDs indicate whether or not correction is possible, as shown in the table below. For details about how to read the LED display, refer to the service guide.]

If self-correction is not possible, check the indoor unit wiring and piping in the usual manner.



LED	1	2	3	4	Message
Status	All Flashing				Automatic correction impossible
	Flashing One after another				Automatic correction completed
	☼ (One or more of LEDs 1 to 4 are ON)				Abnormal stop [Note. 4]

Wiring correct example



The figure at left shows branch wiring.

Wiring error check

LED lighting sequence after a wiring correction.

Order of LED flashing: 2 → 1 → 3 → 4

NOTE

(1) For two rooms, LED 3 and 4 are not displayed, and for three rooms, LED 4 is not displayed.
(2) If the outside air temperature is 5˚C or less, the wiring error check function will not operate.
(3) After wiring error check operation is completed, LED indication will continue until ordinary operation starts. This is normal.
(4) Follow the product diagnosis procedures. (Check the nameplate on the underside of the shut-off valve.)

Test Run and Final Check

- To test cooling, set for the lowest temperature.
- After the unit is stopped, it will not start again for approximately 3 minutes.
- During the test run, first check the operation of each unit individually. Then also check the simultaneous operation of all indoor units.
  Check both heating and cooling operation.
- After running the unit for approximately 20 minutes, measure the temperatures at the indoor unit inlet and outlet. If the measurements are above the values shown in the table below, then they are normal.

	Cooling
Temperature difference between inlet and outlet	Approx. 8˚C

(When running in one room)

- During cooling operation, frost may form on the gas shut-off valve or other parts. This is normal.
- Operate the indoor units in accordance with the included operation manual. Check that they operate normally.

Items to check

Check item	Consequences of trouble	Check
Are the indoor units installed securely?	Falling, vibration, noise	
Has an inspection been made to check for gas leakage?	No cooling, no heating	
Has complete thermal insulation been done (gas pipes, liquid pipes, indoor portions of the drain hose extension)?	Water leakage	
Is the drainage secure?	Water leakage	
Are the ground wire connections secure?	Danger in the event of a ground fault	
Are the electric wires connected correctly?	No cooling, no heating	
Is the wiring in accordance with the specifications?	Operation failure, burning	
Are the inlets/outlets of the indoor and outdoor units free of any obstructions? Are the shut-off valves open?	No cooling, no heating	
Do the marks match (room A, room B) on the wiring and piping for each indoor unit?	No cooling, no heating	
Is the priority room setting set for 2 or more rooms?	The priority room setting will not function.	

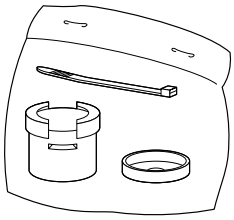
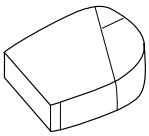
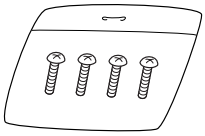
ATTENTION

- Have the customer actually operate the unit while looking at the manual included with the indoor unit. Instruct the customer how to operate the unit correctly (particularly cleaning of the air filters, operation procedures, and temperature adjustment).
- Even when the air conditioner is not operating, it consumes some electric power. If the customer is not going to use the unit soon after it is installed, turn OFF the breaker to avoid wasting electricity.
- If additional refrigerant has been charged because of long piping, list the amount added on the nameplate on the reverse side of the shut-off valve cover.

2.3 4MKD100DVM

Accessories

Accessories supplied with the outdoor unit:

(A) Installation Manual	1	(B) Drain socket assy 	1
(C) Reducer assy 	1	(D) Screw bag (For fixing electrical wire anchor bands) 	1

Precautions for Selecting the Location

OUTDOOR UNIT

1) Choose a place solid enough to bear the weight and vibration of the unit, where the operation noise will not be amplified.
2) Choose a location where the hot air discharged from the unit or the operation noise will not cause a nuisance to the neighbors of the user.
3) Avoid places near a bedroom and the like, so that the operation noise will cause no trouble.
4) There must be sufficient spaces for carrying the unit into and out of the site.
5) There must be sufficient space for air passage and no obstructions around the air inlet and the air outlet.
6) The site must be free from the possibility of flammable gas leakage in a nearby place.
7) Install units, power cords and inter-unit cables at least 3 meter away from television and radio sets. This is to prevent interference to images and sounds. (Noises may be heard even if they are more than 3 meter away depending on radio wave conditions.)
8) In coastal areas or other places with salty atmosphere of sulfate gas, corrosion may shorten the life of the air conditioner.
9) Since drain flows out of the outdoor unit, do not place under the unit anything which must be kept away from moisture.

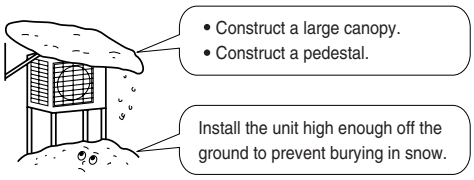
NOTE

Cannot be installed hanging from ceiling or stacked.

CAUTION

When operating the air conditioner in a low outdoor ambient temperature, be sure to follow the instructions described below.

1) To prevent exposure to wind, install the outdoor unit with its suction side facing the wall.
2) Never install the outdoor unit at a site where the suction side may be exposed directly to wind.
3) To prevent exposure to wind, it is recommended to install a baffle plate on the air discharge side of the outdoor unit.
4) In heavy snowfall areas, select an installation site where the snow will not affect the unit.

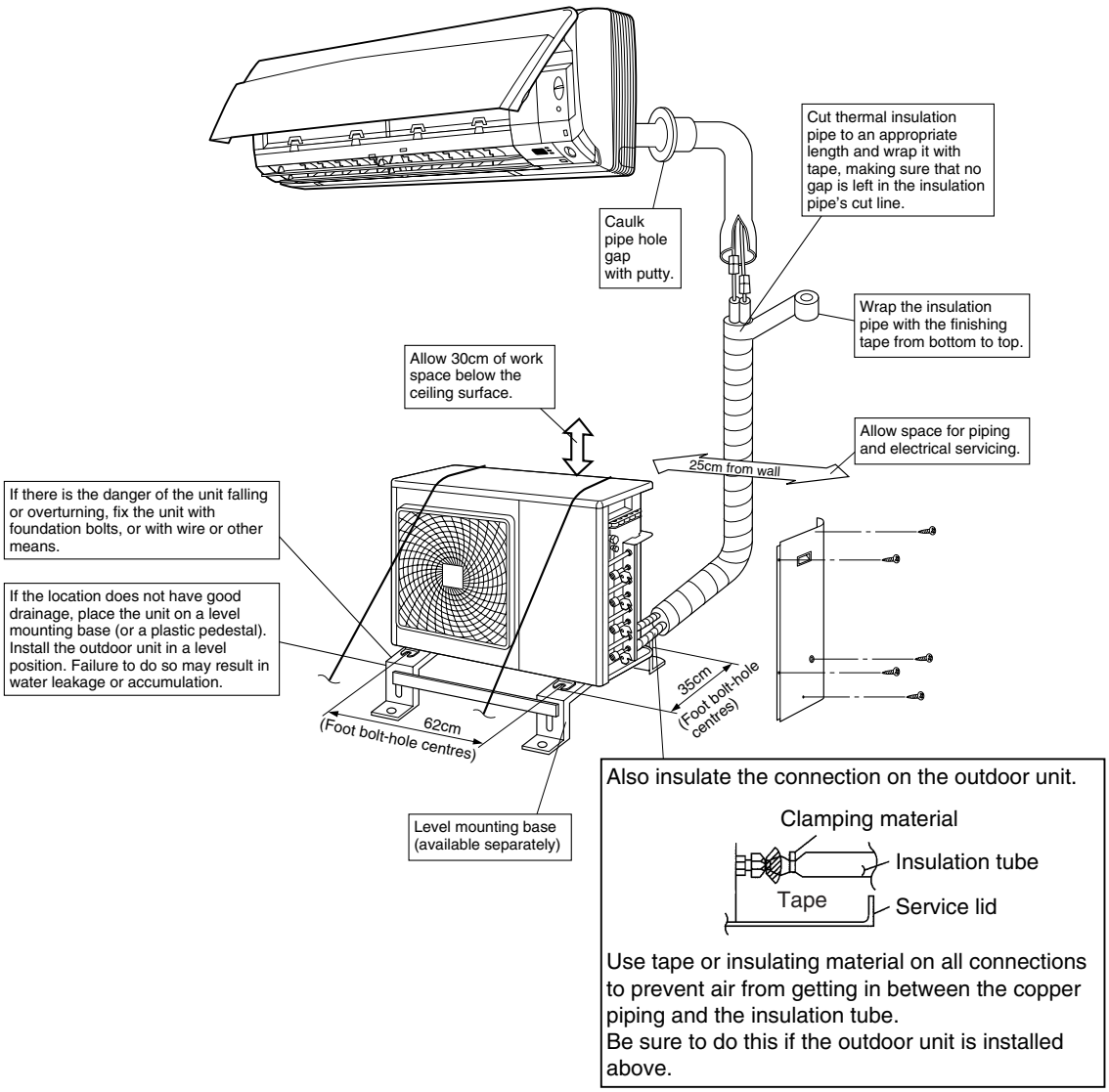


Indoor/Outdoor Unit Installation Drawings

For installation of the indoor units, refer to the installation manual which was provided with the units.
(The diagram shows a wall-mounted indoor unit.)

⚠CAUTION

- Do not connect the embedded branch piping and the outdoor unit when only carrying out piping work without connecting the indoor unit in order to add another indoor unit later.
  Make sure no dirt or moisture gets into either side of the embedded branch piping.
  See “6 Refrigerant Piping Work” in “Outdoor Unit” for details.
- It is possible to connect the indoor unit for one room only.



4

Installation

- Install the unit horizontally.
- The unit may be installed directly on a concrete verandah or a solid place if drainage is good.
- If the vibration may possibly be transmitted to the building, use a vibration-proof rubber (field supply).

Connections (connection port)

Install the indoor unit according to the table below, which shows the relationship between the class of indoor unit and the corresponding port.
The total indoor unit class that can be connected to this unit:

Cooling only type: 4MKD100∗ – Up to 15.6kW

Port	4MKD100∗
A	#(25), 35, 50
B	#(25), 35, 50
C	△□(25), △●(35), △●(50), △(60), 71
D	△□(25), △●(35), △●(50), △(60), 71

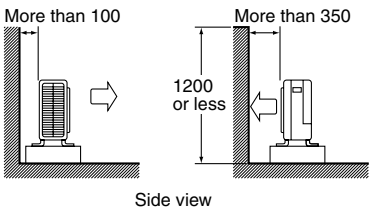
( ) : Use a reducer to connect pipes.
: Use No. 2 and 5 reducers
△ : Use No. 3 and 6 reducers
□ : Use No. 7 and 8 reducers
● : Use No. 1 and 4 reducers

Refer to “How to Use Reducers” for information on reducer numbers and their shapes.

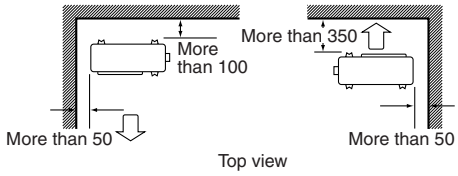
Outdoor Unit Installation Guidelines

- Where a wall or other obstacle is in the path of outdoor unit's intake or exhaust airflow, follow the installation guidelines below.
- For any of the below installation patterns, the wall height on the exhaust side should be 1200mm or less.

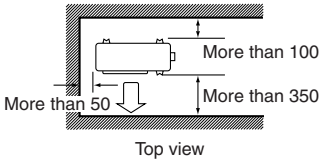
Wall facing one side



Walls facing two sides



Walls facing three sides

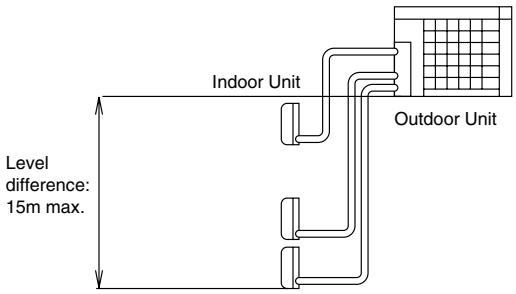


Unit: mm

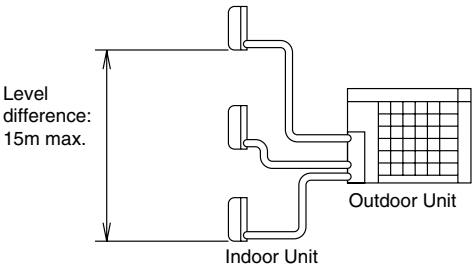
Selecting a location for installation of the indoor units

- The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below. (The shorter the refrigerant piping, the better the performance. Connect so that the piping is as short as possible. **Shortest allowable length per room is 3m.**)

Outdoor unit capacity class	4MKD100
Piping to each indoor unit	25m max.
Total length of piping between all units	70m max.



If the outdoor unit is positioned higher than the indoor units.



If the outdoor unit is positioned otherwise.
(If lower than one or more indoor units)

Outdoor Unit

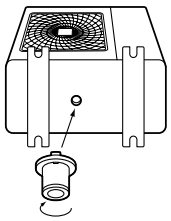
1 Installing Outdoor Unit

- When installing the outdoor unit, refer to “Precautions for Selecting the Location” and the “Indoor/Outdoor Unit Installation Drawings.”
- If drain work is necessary, follow the procedures below.

2 Drain Work

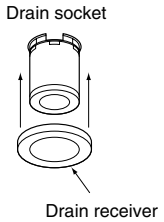
- Use drain plug for drainage.
- If the drain port is covered by a mounting base or floor surface, place additional foot bases of at least 100mm in height under the outdoor unit’s feet.
- In cold areas, do not use a drain hose with the outdoor unit. (Otherwise, drain water may freeze, impairing heating performance.)

1. Insert drain receiver onto drain socket beyond 4 projections around drain socket.
2. Insert drain socket into drain hole. After insertion, turn them about 40º clockwise.



(Be sure not to insert them into wrong drain holes, or there causes water leakage.)

(View from bottom)



3. Connect vinyl hose on the market (intemal diameter of 25mm) to drain socket.
   (If the house is too long and hangs down, fix it carefully to prevent the kinks.)

NOTE

If the drain holes of the outdoor unit are covered with the mounting bracket or the floor, raise the unit to provide the space of more than 100mm under the leg of the outdoor unit.

3 Refrigerant Piping

1. Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
   - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.

Flare nut tightening torque	
Flare nut for ϕ6.4	14.2-17.2N • m (144-175kgf • cm)
Flare nut for ϕ9.5	32.7-39.9N • m (333-407kgf • cm)
Flare nut for ϕ12.7	49.5-60.3N • m (505-615kgf • cm)
Flare nut for ϕ15.9	61.8-75.4N • m (630-769kgf • cm)

Valve cap tightening torque
Liquid pipe 26.5-32.3N • m (270-330kgf • cm)
Gas pipe 48.1-59.7N • m (490-610kgf • cm)

2. To prevent gas leakage, apply refrigeration machine oil on both inner and outer surfaces of the flare.
   (Use refrigeration oil for R22)

4 Purging Air and Checking Gas Leakage

- When piping work is completed, it is necessary to purge the air and check for gas leakage.
  Refer to “Purging Air and Checking Gas Leakage”.

Outdoor Unit

5 Charging with Refrigerant

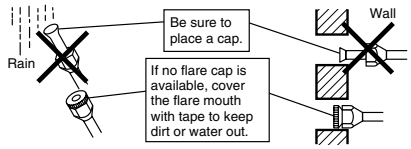
- Cooling only models (4MKD100) are chargeless. There is no need to charge with refrigerant.

⚠CAUTION

Even though the shut-off valve is fully closed, the refrigerant may slowly leak out; do not leave the flare nut removed for a long period of time.

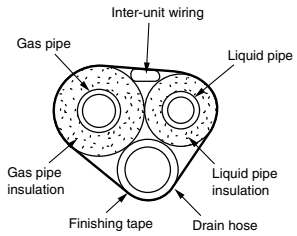
6 Refrigerant Piping Work

Cautions on Pipe Handling



- Protect the open end of the pipe against dust and moisture.
- All pipe bends should be as gentle as possible. Use a pipe bender for bending.
  (Bending radius should be 30 to 40mm or larger.)

Selection of Copper and Heat Insulation materials



When using commercial copper pipes and fittings, observe the following:

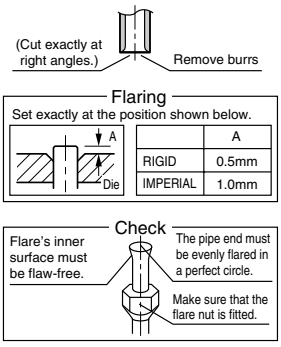
- Insulation material: Polyethylene foam
  Heat transfer rate: 0.041 to 0.052kW/mK (0.035 to 0.045kcal/mh°C)
  Refrigerant gas pipe's surface temperature reaches 110°C max.
  Choose heat insulation materials that will withstand this temperature.
- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Pipe size	Pipe insulation
O.D.: 6.4mm / Thickness: 0.8mm	I.D.: 8 – 10mm / Thickness: 10mm min.
O.D.: 9.5mm, 12.7mm / Thickness: 0.8mm	I.D.: 12 – 15mm / Thickness: 13mm min.
O.D.: 15.9mm / Thickness: 1.0mm	I.D.: 16 – 20mm / Thickness: 13mm min.

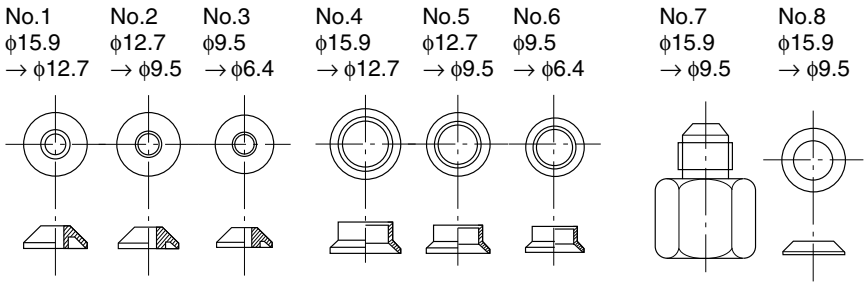
- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

7 Flaring the Pipe End

1. Cut the pipe end with a pipe cutter.
2. Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
3. Put the flare nut on the pipe.
4. Flare the pipe.
5. Check that the flaring is properly made.



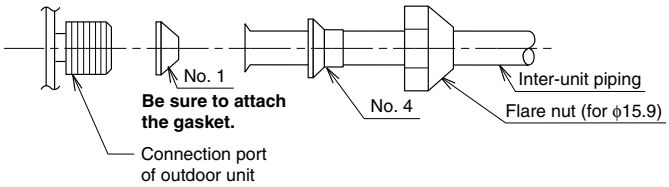
How to Use Reducers



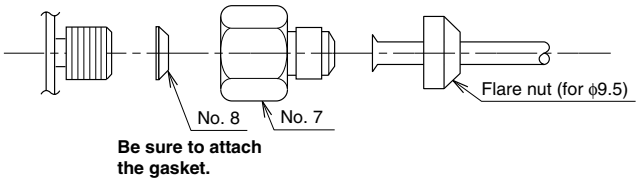
Gasket (1) Gasket (2) Reduce and gasket

Use the reducers supplied with the unit as described below.

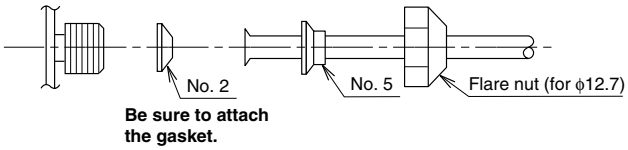
1. Connecting a pipe of ϕ12.7 to a gas pipe connection port for ϕ15.9:



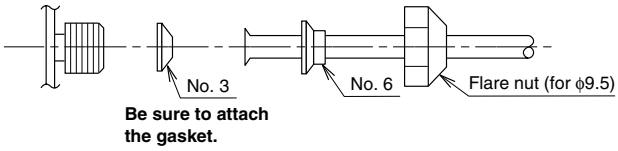
2. Connecting a pipe of ϕ9.5 to a gas pipe connection port for ϕ15.9:



3. Connecting a pipe of ϕ9.5 to a gas pipe connection port for ϕ12.7:



4. Connecting a pipe of ϕ6.4 to a liquid pipe connection port for ϕ9.5:



- When using the reducer packing shown above, be careful not to overtighten the nut, or the smaller pipe may be damaged. (about 2/3 - 1 the normal torque)
- Apply a coat of refrigeration oil to the threaded connection port of the outdoor unit where the flare nut comes in.
- Use an appropriate wrench to avoid damaging the connection thread by overtightening the flare nut.

Flare nut tightening torque	
Flare nut for ϕ6.4	14.2–17.2N • m (144–175kgf • cm)
Flare nut for ϕ9.5	32.7–39.9N • m (333–407kgf • cm)
Flare nut for ϕ12.7	49.5–60.3N • m (505–615kgf • cm)
Flare nut for ϕ15.9	61.8–75.4N • m (630–769kgf • cm)

Purging Air and Checking Gas Leakage

⚠WARNING

Do not mix any substance other than the specified refrigerant (R22) into the refrigeration cycle.

⚠WARNING

Refrigerant gas leaks during air purging, ventilate the room as soon as possible.

To prevent air pollution, a vacuum pump should be used for air purging wherever possible.

⚠WARNING

Use a vacuum pump for R22 exclusively. Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.

- If using additional refrigerant, perform air purging from the refrigerant pipes and indoor unit using a vacuum pump, then charge additional refrigerant.
- Use a hexagonal wrench (4mm) to operate the shut-off valve rod.
- All refrigerant pipe joints should be tightened with a torque wrench at the specified tightening torque.

(1) Connect projection side (on which worm pin is pressed) of charging hose (which comes from gauge manifold) to gas shut-off valve's service port.

⇩

(2) Fully open gauge manifold's low-pressure valve (Lo) and completely close its high-pressure valve (Hi). (High-pressure valve subsequently requires no operation.)

⇩

(3) Apply vacuum pumping. Check that the compound pressure gauge reads –0.1MPa (–76cmHg). Evacuation for at least 1 hour is recommended.

⇩

(4) Close gauge manifold's low-pressure valve (Lo) and stop vacuum pump.
(Leave as is for 4-5 minutes and make sure the coupling meter needle does not go back.
If it does go back, this may indicate the presence of moisture or leaking from connecting parts. After inspecting all the connection and loosening then retightening the nuts, repeat steps 2 – 4.)

⇩

(5) Remove covers from liquid shut-off value and gas shut-off valve.

⇩

(6) Turn the liquid shut-off valve's rod 90 degrees counterclockwise with a hexagonal wrench to open valve.
Close it after 5 seconds, and check for gas leakage.
Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods.
After the check is complete, wipe all soapy water off.

⇩

(7) Disconnect charging hose from gas shut-off valve's service port, then fully open liquid and gas shut-off valves. (Do not attempt to turn valve rod beyond its stop.)

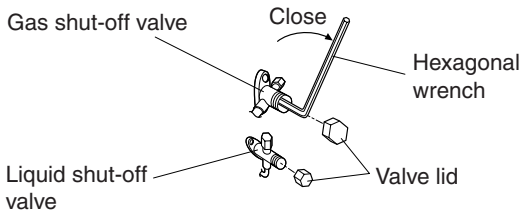
⇩

(8) Tighten valve lids and service port caps for the liquid and gas shut-off valves with a torque wrench at the specified torques. See "3 Refrigerant Piping" in "Outdoor Unit" for details.

Pump Down Operation

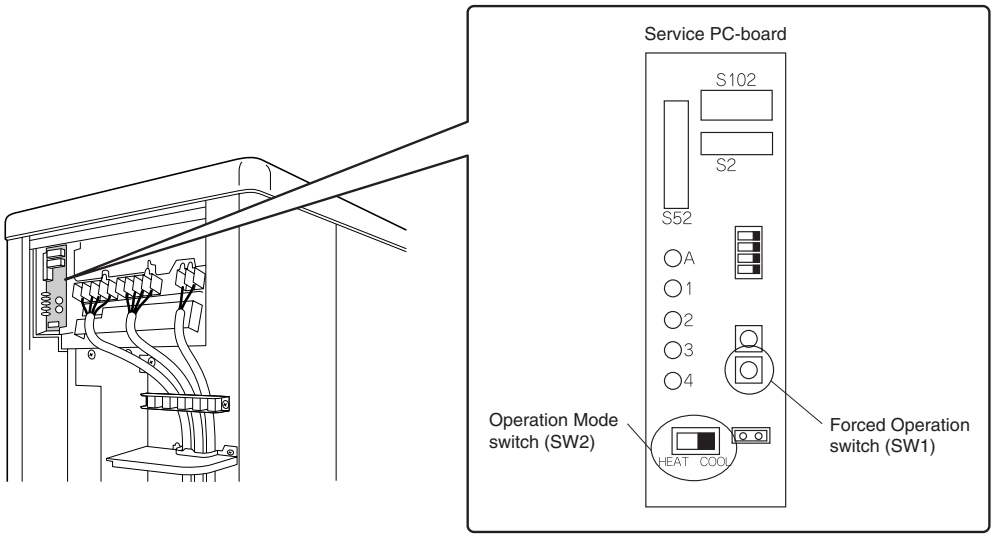
In order to protect the environment, be sure to pump down when relocating or disposing of the unit.

(1) Remove the valve lid from liquid shut-off valve and gas shut-off valve.
(2) Carry out forced cooling operation.
(3) After five to ten minutes, close the liquid shut-off valve with a hexagonal wrench.
(4) After two to three minutes, close the gas shut-off valve and stop forced cooling operation.



Forced operation

(1) Turn the Operation Mode switch (SW2) to “COOL.”
(2) Press the Forced Operation switch (SW1) to begin forced cooling. Press the Forced Operation switch (SW1) again to stop forced cooling.



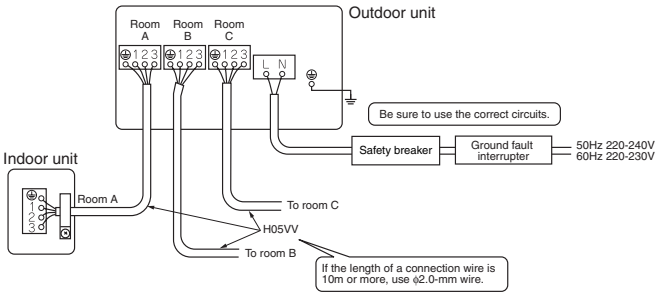
Wiring

⚠WARNING

Do not use tapped wires, stand wires, extensioncords, or starbust connections, as they may cause overheating, electrical shock, or fire.

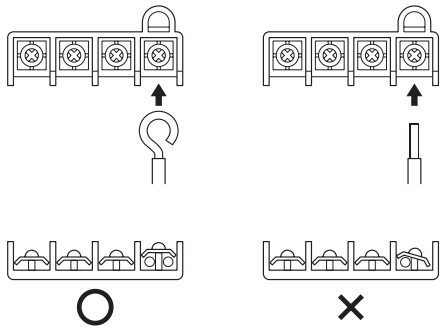
- Do not turn ON the safety breaker until all work is completed.

(1) Strip the insulation from the wire (20mm).
(2) Connect the connection wires between the indoor and outdoor units **so that the terminal numbers match.** Tighten the terminal screws securely. We recommend a flathead screwdriver be used to tighten the screws. The screws are packed with the terminal board.

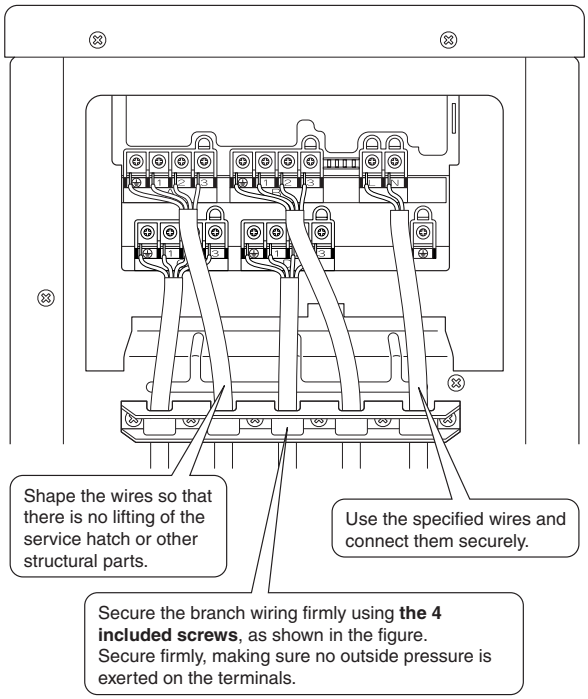


⚠CAUTION

When connecting the connection wires to the terminal board using a single core wire, be sure to perform curling.
Problems with the work may cause heat and fires.



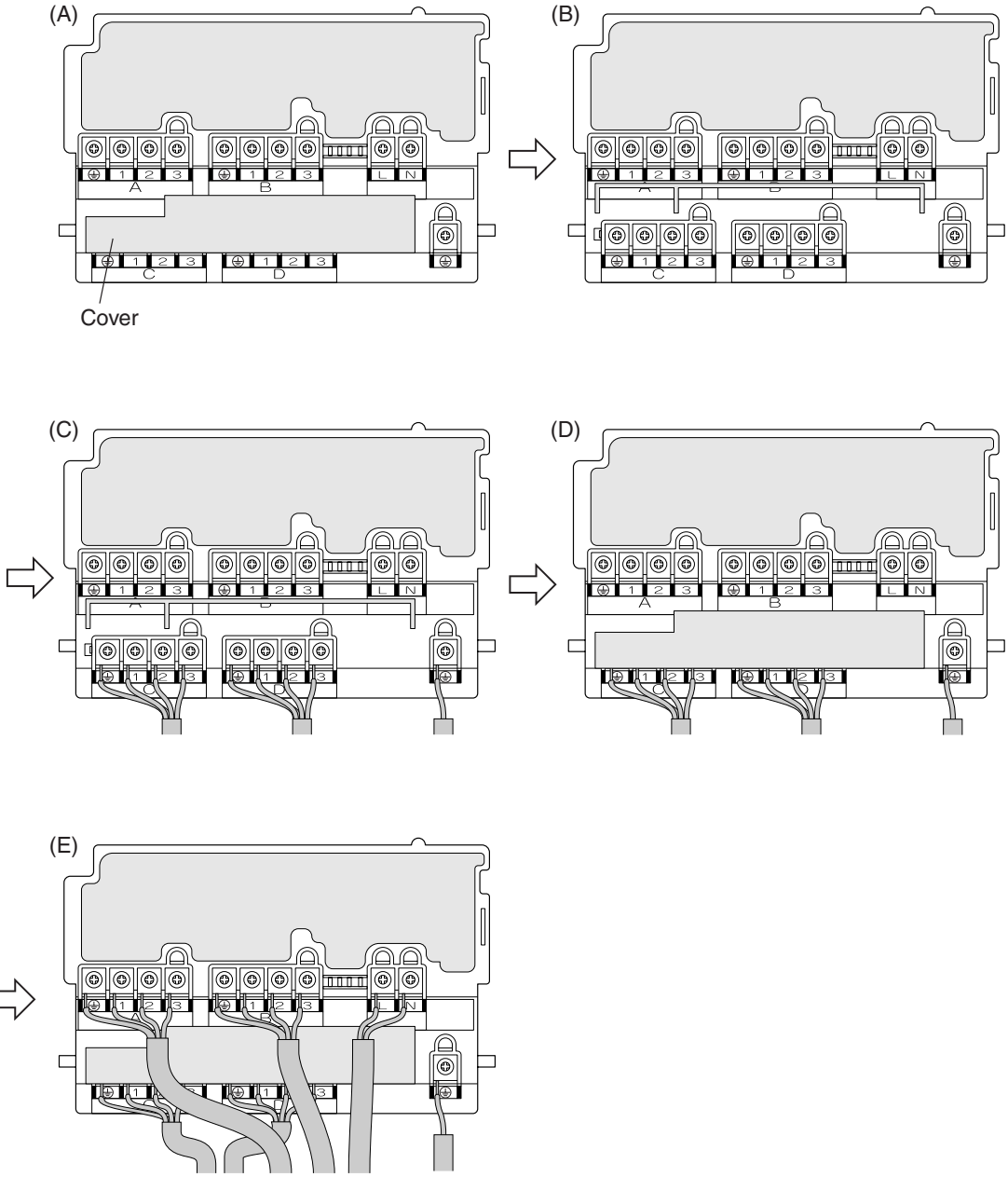
(3) Pull the wire and make sure that it does not disconnect. Then fix the wire in place with a wire stop.



4

Wiring

For 4MK, follow the procedure below to connect the wires.
(When connecting 3 or more rooms)



(1) Remove the service lid, and it should be as in Figure (A).
First push up the cover as shown in Figure (B), then connect room C, D (Figure (C)).
Be sure to connect from room C, D.
(2) After room C and D are connected, replace the cover (Figure (D)).
(3) Connect room A, B and power supply wires (Figure (E)).
(4) When connecting the power supply wires to rooms A and B, route the wires so that no force will be applied to the lid, which may otherwise be deformed. (Figure (E))

Earth

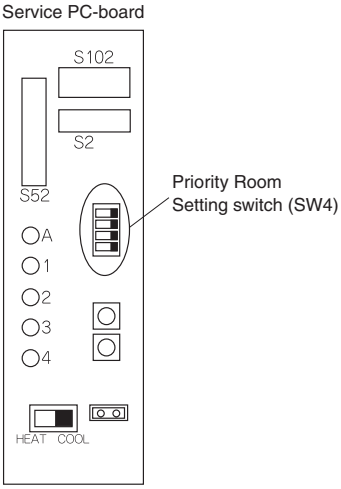
This air conditioner must be earthed.
For earthing, follow the applicable local standard for electrical installations.

Priority Room Setting

- To use Priority Room Setting, initial settings must be made when the unit is installed. Explain the Priority Room Setting, as described below, to the customer, and confirm whether or not the customer wants to use Priority Room Setting.
  Setting it in the guest and living rooms is convenient.

About the Priority Room Setting function

The indoor unit for which Priority Room Setting is applied takes priority in the following cases.



(1) Operation mode priority

The operation mode of the indoor unit which is set for Priority Room Setting takes priority. If the set indoor unit is operating, all other indoor units do not operate and enter standby mode, according to the operation mode of the set indoor unit.

(2) Priority during high-power operation

If the indoor unit which is set for Priority Room Setting is operating at high power, the capabilities of other indoor units will be somewhat reduced. Power supply gives priority to the indoor unit which is set for Priority Room Setting.

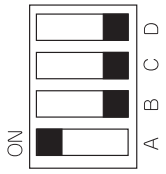
(3) Quiet operation priority

Setting the indoor unit to quiet operation will make the outdoor unit run quietly.

Setting procedure

Slide the switch to the ON side for the switch that corresponds to the piping connected to the indoor unit to be set.
(In the figure below, it is room A.)
Once the settings are complete, reset the power.

Be sure to only set one room

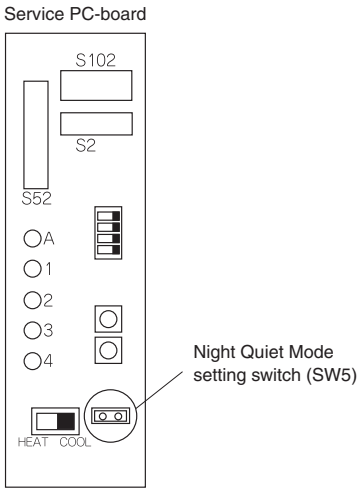


Night Quiet Mode setting

- If Night Quiet Mode is to be used, initial settings must be made when the unit is installed.
  Explain Night Quiet Mode, as described below, to the customer, and confirm whether or not the customer wants to use Night Quiet Mode.

About Night Quiet Mode

The Night Quiet Mode function reduces operating noise of the outdoor unit at nighttime. This function is useful if the customer is worried about the effects of the operating noise on the neighbors.
However, if Night Quiet Mode is running, cooling capacity will be saved.

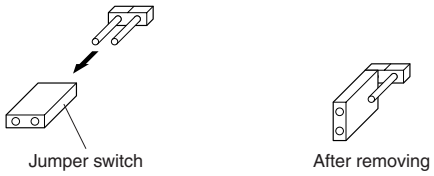


Setting procedure

Remove the SW5 jumper switch.
Once the settings are complete, reset the power.

NOTE

Install the removed jumper switch as described below. This switch will be needed to later disable this setting.



Test Run and Final Check

- Before starting the test run, measure the voltage at the primary side of the safety breaker.
- Check that all liquid and gas shut-off valves are fully open.
- Check that piping and wiring all match. The wiring error check can be conveniently used for underground wiring and other wiring that cannot be directly checked.

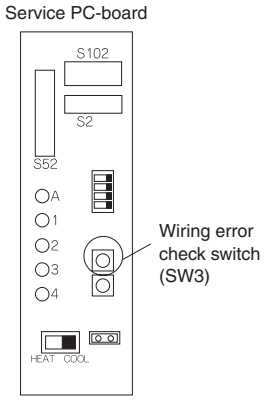
Wiring error check

- This product is capable of automatic correction of wiring error.

Press the “wiring error check switch” on the outdoor unit service monitor print board. However, the wiring error check switch will not function for one minute after the safety breaker is turned on, or depending on the outside air conditions (See NOTE 2.). Approximately 10 – 15 minutes after the switch is pressed, the errors in the connection wiring will be corrected.

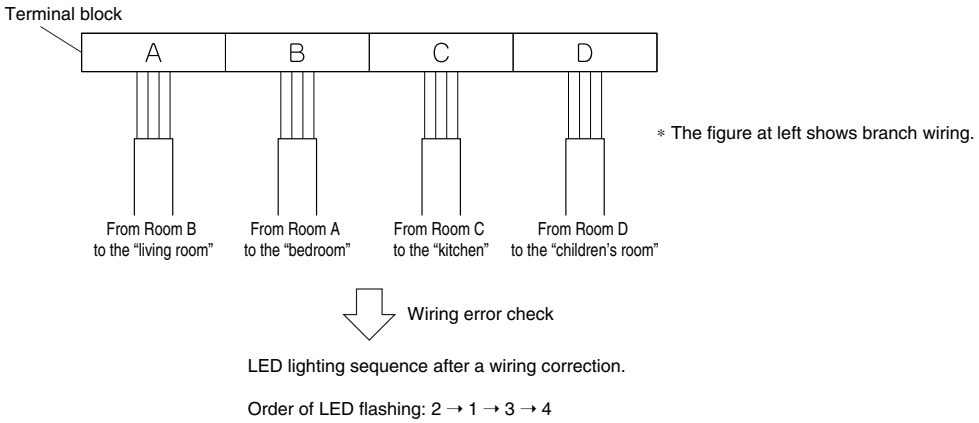
[The service monitor LEDs indicate whether or not correction is possible, as shown in the table below. For details about how to read the LED display, refer to the service guide.]

If self-correction is not possible, check the indoor unit wiring and piping in the usual manner.



LED	1	2	3	4	Message
Status	All Flashing				Automatic correction impossible
	Flashing One after another				Automatic correction completed
	☼ (One or more of LEDs 1 to 4 are ON)				Abnormal stop [NOTE. 4]

Wiring correct example



NOTE

(1) For two rooms, LED 3 and 4 are not displayed, and for three rooms, LED 4 is not displayed.
(2) If the outside air temperature is 5°C or less, the wiring error check function will not operate.
(3) After wiring error check operation is completed, LED indication will continue until ordinary operation starts. This is normal.
(4) Follow the product diagnosis procedures. (Check the nameplate on the underside of the shut-off valve.)

Test Run and Final Check

- To test cooling, set for the lowest temperature.
- After the unit is stopped, it will not start again for approximately 3 minutes.
- During the test run, first check the operation of each unit individually. Then also check the simultaneous operation of all indoor units.
- After running the unit for approximately 20 minutes, measure the temperatures at the indoor unit inlet and outlet. If the measurements are above the values shown in the table below, then they are normal.

	Cooling
Temperature difference between inlet and outlet	Approx. 8°C

(When running in one room)

- During cooling operation, frost may form on the gas shut-off valve or other parts. This is normal.
- Operate the indoor units in accordance with the included operation manual. Check that they operate normally.

Items to check

Check item	Consequences of trouble	Check
Are the indoor units installed securely?	Falling, vibration, noise	
Has an inspection been made to check for gas leakage?	No cooling	
Has complete thermal insulation been done (gas pipes, liquid pipes, indoor portions of the drain hose extension)?	Water leakage	
Is the drainage secure?	Water leakage	
Are the ground wire connections secure?	Danger in the event of a ground fault	
Are the electric wires connected correctly?	No cooling	
Is the wiring in accordance with the specifications?	Operation failure, burning	
Are the inlets/outlets of the indoor and outdoor units free of any obstructions? Are the shut-off valves open?	No cooling	
Do the marks match (room A, room B) on the wiring and piping for each indoor unit?	No cooling	
Is the priority room setting set for 2 or more rooms?	The priority room setting will not function.	

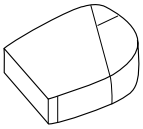
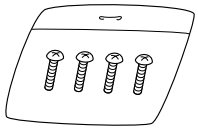
ATTENTION

- Have the customer actually operate the unit while looking at the manual included with the indoor unit. Instruct the customer how to operate the unit correctly (particularly cleaning of the air filters, operation procedures, and temperature adjustment).
- Even when the air conditioner is not operating, it consumes some electric power. If the customer is not going to use the unit soon after it is installed, turn OFF the breaker to avoid wasting electricity.
- If additional refrigerant has been charged because of long piping, list the amount added on the nameplate on the reverse side of the shut-off valve cover.

2.4 3MXD68BVMA8

Accessories

Accessories supplied with the outdoor unit:

(A) Installation Manual	1	(B) Drain plug  There is on the bottom packing case.	1
(C) Reducer assy  There is on the bottom packing case.	1	(D) Screw bag (For fixing electrical wire anchor bands)  There is on the bottom packing case.	1

Precautions for Selecting the Location

OUTDOOR UNIT

1) Choose a place solid enough to bear the weight and vibration of the unit, where the operation noise will not be amplified.
2) Choose a location where the hot air discharged from the unit or the operation noise will not cause a nuisance to the neighbors of the user.
3) Avoid places near a bedroom and the like, so that the operation noise will cause no trouble.
4) There must be sufficient spaces for carrying the unit into and out of the site.
5) There must be sufficient space for air passage and no obstructions around the air inlet and the air outlet.
6) The site must be free from the possibility of flammable gas leakage in a nearby place.
7) Install units, power cords and inter-unit cables at least 3 meter away from television and radio sets. This is to prevent interference to images and sounds. (Noises may be heard even if they are more than 3 meter away depending on radio wave conditions.)
8) In coastal areas or other places with salty atmosphere of sulfate gas, corrosion may shorten the life of the air conditioner.
9) Since drain flows out of the outdoor unit, do not place under the unit anything which must be kept away from moisture.

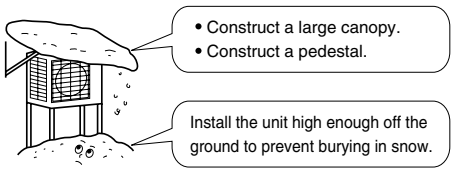
Note

Cannot be installed hanging from ceiling or stacked.

CAUTIONS

When operating the air conditioner in a low outdoor ambient temperature, be sure to follow the instructions described below.

1) To prevent exposure to wind, install the outdoor unit with its suction side facing the wall.
2) Never install the outdoor unit at a site where the suction side may be exposed directly to wind.
3) To prevent exposure to wind, it is recommended to install a baffle plate on the air discharge side of the outdoor unit.
4) In heavy snowfall areas, select an installation site where the snow will not affect the unit.

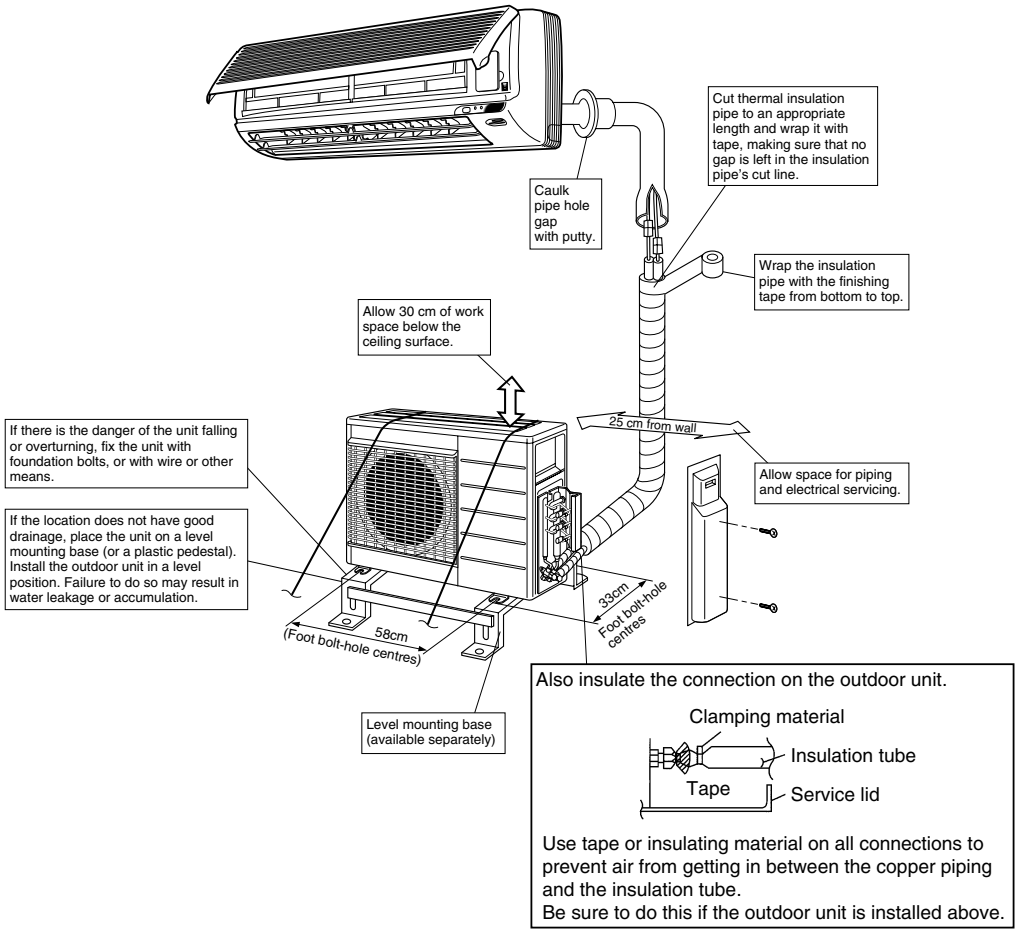


Indoor/outdoor Unit Installation Drawings

For installation of the indoor units, refer to the installation manual which was provided with the units.
(The diagram shows a wall-mounted indoor unit.)

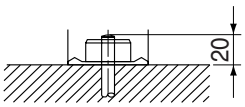
⚠CAUTION

- Do not connect the embedded branch piping and the outdoor unit when only carrying out piping work without connecting the indoor unit in order to add another indoor unit later.
  Make sure no dirt or moisture gets into either side of the embedded branch piping.
  See “6 Refrigerant Piping Work” in “Outdoor Unit” for details.
- Heat pump type: It is impossible to connect the indoor unit for one room only. **Be sure to connect at least 2 rooms.**
  Cooling only type: It is possible to connect the indoor unit for one room only.



Precautions on Installation

- Check the strength and level of the installation ground so that the unit will not cause any operating vibration or noise after installed.
- In accordance with the foundation drawing in fix the unit securely by means of the foundation bolts. (Prepare four sets of M8 or M10 foundation bolts, nuts and washers each which are available on the market.)
- It is best to screw in the foundation bolts until their length are 20 mm from the foundation surface.



Installation

- Install the unit horizontally.
- The unit may be installed directly on a concrete verandah or a solid place if drainage is good.
- If the vibration may possibly be transmitted to the building, use a vibration-proof rubber (field supply).

Connections (connection port)

Install the indoor unit according to the table below, which shows the relationship between the class of indoor unit and the corresponding port.
The total indoor unit class that can be connected to this unit:

Heat pump type: 3MXD68∗ – Up to 11.0kW
Cooling only type: 2MKD58∗ – Up to 10.0kW
3MKD58∗ – Up to 10.0kW
3MKD75∗ – Up to 13.5kW
4MKD75∗ – Up to 13.5kW

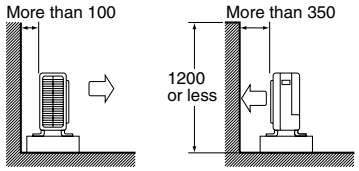
Port	3MXD68∗	2MKD58∗	3MKD58∗	3MKD75∗	4MKD75∗
A	#(25), 35	#(25), 35, 50	#(25), 35	#(25), 35, 50	#(25), 35
B	#(25), 35, 50	#(25), 35, 50	#(25), 35, 50	▲●(25), □●(35), □●(50), ●(60), 71	#(25), 35, 50
C	▲(25), □(35), □(50), 60	—	#(25), 35, 50	▲●(25), □●(35), □●(50), ●(60), 71	▲●(25), □●(35), □●(50), ●(60), 71
D	—	—	—	—	▲●(25), □●(35), □●(50), ●(60), 71

( ) : Use a reducer to connect pipes.
: Use No. 2 and 5 reducers
▲ : Use No. 7 and 8 reducers
□ : Use No. 1 and 4 reducers
● : Use No. 3 and 6 reducers
Refer to “How to Use Reducers” for information on reducer numbers and their shapes.

Outdoor Unit Installation Guidelines

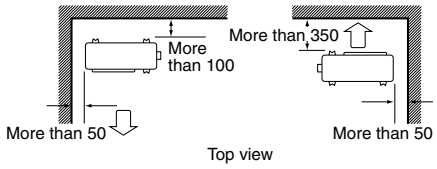
- Where a wall or other obstacle is in the path of outdoor unit’s intake or exhaust airflow, follow the installation guidelines below.
- For any of the below installation patterns, the wall height on the exhaust side should be 1200 mm or less.

Wall facing one side



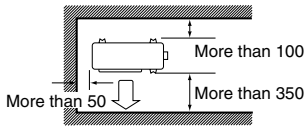
Side view

Walls facing two sides



Top view

Walls facing three sides



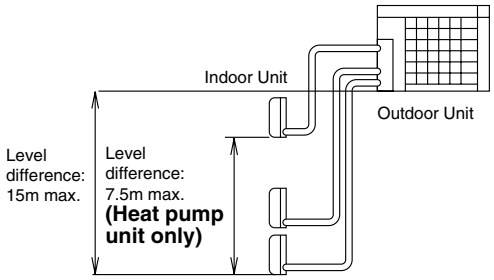
Top view

Unit: mm

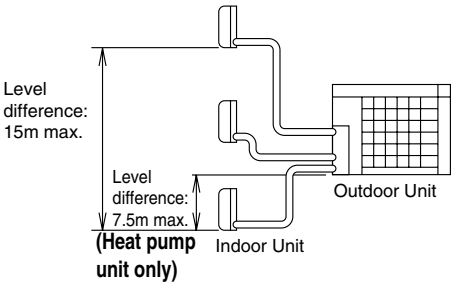
Selecting a location for installation of the indoor units

- The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below. (The shorter the refrigerant piping, the better the performance. Connect so that the piping is as short as possible. **Shortest allowable length per room is 3 m.**)

Outdoor unit capacity class	2MKD58	3MKD58, 3MXD68	3MKD75, 4MKD75
Piping to each indoor unit	25m max.		
Total length of piping between all units	35m max.	45m max.	60m max.



If the outdoor unit is positioned higher than the indoor units.



If the outdoor unit is positioned otherwise.
(If lower than one or more indoor units)

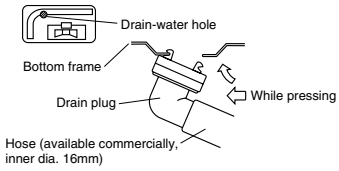
Outdoor Unit

1 Installing Outdoor Unit

- When installing the outdoor unit, refer to “Precautions for Selecting the Location” and the “Indoor/outdoor Unit Installation Drawings.”
- If drain work is necessary, follow the procedures below.

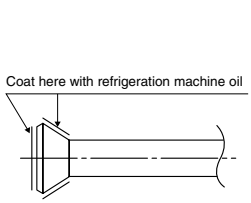
2 Drain Work

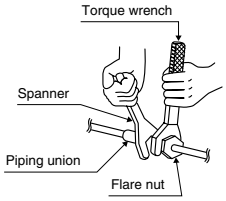
- Use drain plug for drainage.
- If the drain port is covered by a mounting base or floor surface, place additional foot bases of at least 30 mm in height under the outdoor unit’s feet.
- In cold areas, do not use a drain hose with the outdoor unit. (Otherwise, drain water may freeze, impairing heating performance.)



3 Refrigerant Piping

1. Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
   - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.





Flare nut tightening torque	
Flare nut for ϕ6.4	14.2-17.2N • m (144-175kgf • cm)
Flare nut for ϕ9.5	32.7-39.9N • m (333-407kgf • cm)
Flare nut for ϕ12.7	49.5-60.3N • m (505-615kgf • cm)
Flare nut for ϕ15.9	61.8-75.4N • m (630-769kgf • cm)

Valve cap tightening torque
Liquid pipe 26.5-32.3N • m (270-330kgf • cm)
Gas pipe 48.1-59.7N • m (490-610kgf • cm)

Service port cap tightening torque
10.8-14.7N • m (110-150kgf • cm)

2. To prevent gas leakage, apply refrigeration machine oil on both inner and outer surfaces of the flare. (Use refrigeration oil for R-22)

Outdoor Unit

4 Purging Air and Checking Gas Leakage

- When piping work is completed, it is necessary to purge the air and check for gas leakage.
  Refer to “Purging Air and Checking Gas Leakage”.

5 Charging with Refrigerant

- If the total length of piping for all rooms exceeds the figure listed below, additionally charge with **20 g of** refrigerant (R-22) for each additional meter of piping.

Outdoor unit capacity class	3MXD68
Total length of piping for all rooms	30m

For cooling only

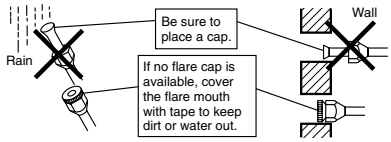
- Cooling only models (2MKD58, 3MKD58, 3MKD75, 4MKD75) are chargeless. There is no need to charge with refrigerant.

⚠ CAUTION

Even though the shut-off valve is fully closed, the refrigerant may slowly leak out; do not leave the flare nut removed for a long period of time.

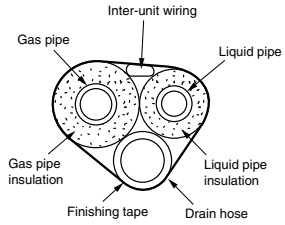
6 Refrigerant Piping Work

Cautions on Pipe Handling



- Protect the open end of the pipe against dust and moisture.
- All pipe bends should be as gentle as possible. Use a pipe bender for bending.
  (Bending radius should be 30 to 40 mm or larger.)

Selection of Copper and Heat Insulation materials



When using commercial copper pipes and fittings, observe the following:

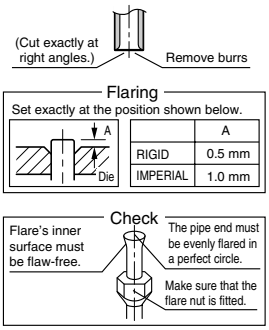
- Insulation material: Polyethylene foam
  Heat transfer rate: 0.041 to 0.052W/mK (0.035 to 0.045 kcal/mh°C)
  Refrigerant gas pipe’s surface temperature reaches 110°C max.
  Choose heat insulation materials that will withstand this temperature.
- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Pipe size	Pipe insulation
O.D.: 6.4mm / Thickness: 0.8mm	I.D.: 8 – 10mm / Thickness: 10mm min.
O.D.: 9.5mm, 12.7mm / Thickness: 0.8mm	I.D.: 12 – 15mm / Thickness: 13mm min.
O.D.: 15.9mm / Thickness: 1.0mm	I.D.: 16 – 20mm / Thickness: 13mm min.

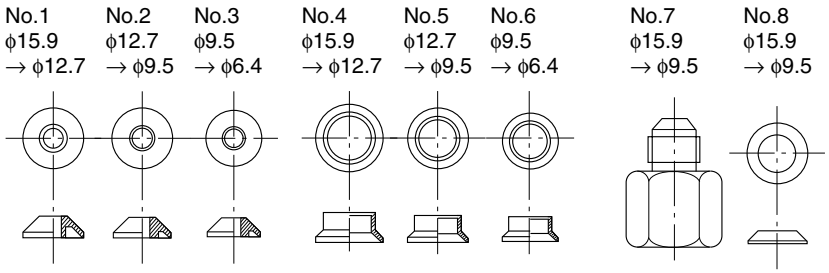
- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

7 Flaring the Pipe End

1. Cut the pipe end with a pipe cutter.
2. Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
3. Put the flare nut on the pipe.
4. Flare the pipe.
5. Check that the flaring is properly made.

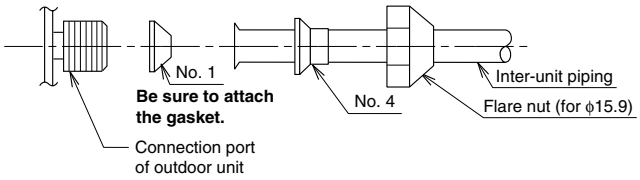


How to Use Reducers

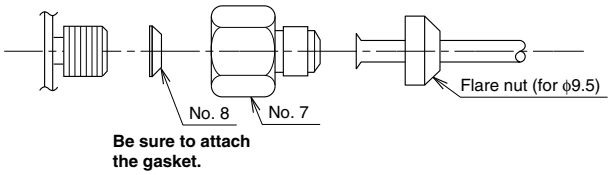


Use the reducers supplied with the unit as described below.

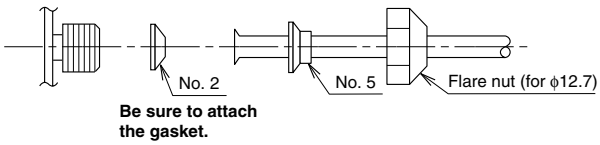
1. Connecting a pipe of ϕ12.7 to a gas pipe connection port for ϕ15.9:



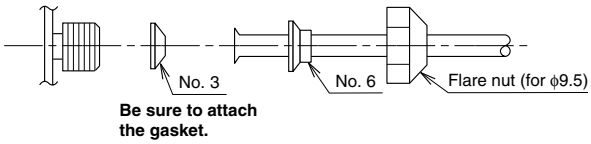
2. Connecting a pipe of ϕ9.5 to a gas pipe connection port for ϕ15.9:



3. Connecting a pipe of ϕ9.5 to a gas pipe connection port for ϕ12.7:



4. Connecting a pipe of ϕ6.4 to a liquid pipe connection port for ϕ9.5:



- When using the reducer packing shown above, be careful not to overtighten the nut, or the smaller pipe may be damaged. (about 2/3 - 1 the normal torque)
- Apply a coat of refrigeration oil to the threaded connection port of the outdoor unit where the flare nut comes in.
- Use an appropriate wrench to avoid damaging the connection thread by overtightening the flare nut.

Flare nut tightening torque	
Flare nut for ϕ6.4	14.2–17.2N·m (144–175kgf·cm)
Flare nut for ϕ9.5	32.7–39.9N·m (333–407kgf·cm)
Flare nut for ϕ12.7	49.5–60.3N·m (505–615kgf·cm)
Flare nut for ϕ15.9	61.8–75.4N·m (630–769kgf·cm)

Purging Air and Checking Gas Leakage

⚠WARNING

Do not mix any substance other than the specified refrigerant (R-22) into the refrigeration cycle.

⚠WARNING

Refrigerant gas leaks during air purging, ventilate the room as soon as possible.

To prevent air pollution, a vacuum pump should be used for air purging wherever possible.

⚠WARNING

Use a vacuum pump for R-22 exclusively. Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.

- If using additional refrigerant, perform air purging from the refrigerant pipes and indoor unit using a vacuum pump, then charge additional refrigerant.
- Use a hexagonal wrench (4 mm) to operate the shut-off valve rod.
- All refrigerant pipe joints should be tightened with a torque wrench at the specified tightening torque.

(1) Connect projection side (on which worm pin is pressed) of charging hose (which comes from gauge manifold) to gas shut-off valve's service port.

⇩

(2) Fully open gauge manifold's low-pressure valve (Lo) and completely close its high-pressure valve (Hi). (High-pressure valve subsequently requires no operation.)

⇩

(3) Apply vacuum pumping. Check that the compound pressure gauge reads –0.1 MPa (–76 cm Hg). Evacuation for at least 1 hour is recommended.

⇩

(4) Close gauge manifold's low-pressure valve (Lo) and stop vacuum pump.
(Leave as is for 4-5 minutes and make sure the coupling meter needle does not go back.
If it does go back, this may indicate the presence of moisture or leaking from connecting parts. After inspecting all the connection and loosening then retightening the nuts, repeat steps 2 – 4.)

⇩

(5) Remove covers from liquid shut-off value and gas shut-off valve.

⇩

(6) Turn the liquid shut-off valve's rod 90 degrees counterclockwise with a hexagonal wrench to open valve.
Close it after 5 seconds, and check for gas leakage.
Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods.
After the check is complete, wipe all soapy water off.

⇩

(7) Disconnect charging hose from gas shut-off valve's service port, then fully open liquid and gas shut-off valves.
(Do not attempt to turn valve rod beyond its stop.)

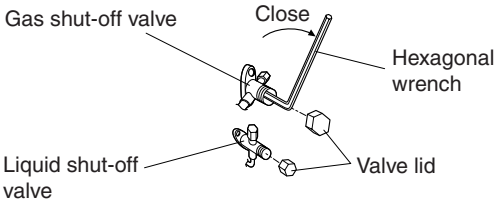
⇩

(8) Tighten valve lids and service port caps for the liquid and gas shut-off valves with a torque wrench at the specified torques. See "3 Refrigerant Piping" in "Outdoor Unit" for details.

Pump Down Operation

In order to protect the environment, be sure to pump down when relocating or disposing of the unit.

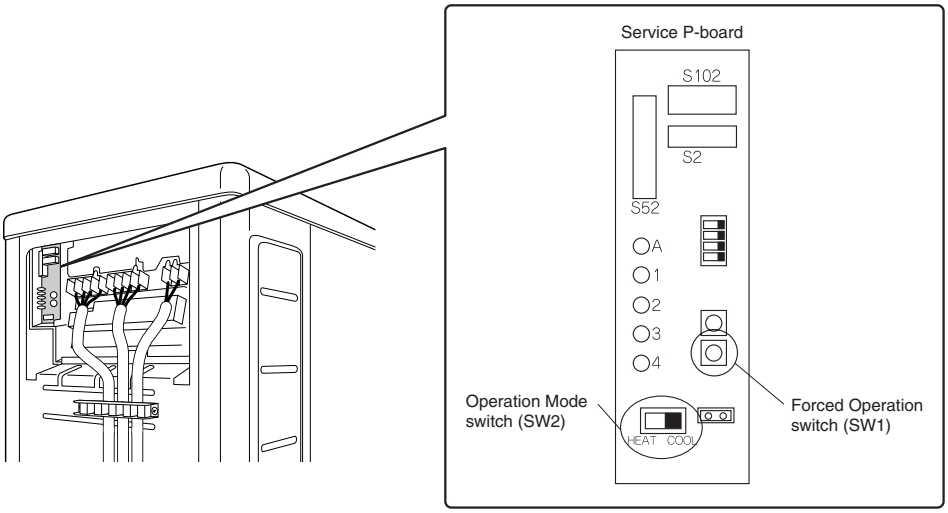
(1) Remove the valve lid from liquid shut-off valve and gas shut-off valve.
(2) Carry out forced cooling operation.
(3) After five to ten minutes, close the liquid shut-off valve with a hexagonal wrench.
(4) After two to three minutes, close the gas shut-off valve and stop forced cooling operation.



Forced operation

(1) Turn the Operation Mode switch (SW2) to “COOL.”
(2) Press the Forced Operation switch (SW1) to begin forced cooling. Press the Forced Operation switch (SW1) again to stop forced cooling.

For heat pump only



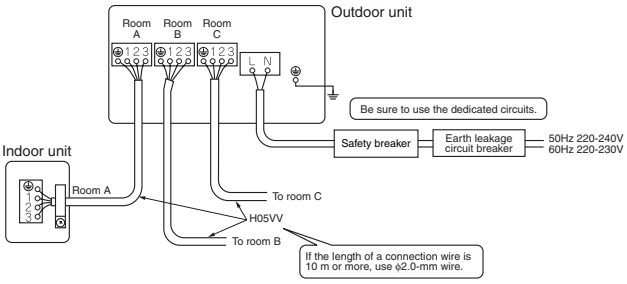
Wiring

⚠WARNING

Do not use tapped wires, stand wires, extensioncords, or starbust connections, as they may cause overheating, electrical shock, or fire.

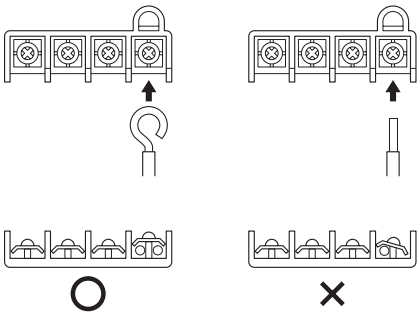
- Do not turn ON the safety breaker until all work is completed.

(1) Strip the insulation from the wire (20 mm).
(2) Connect the connection wires between the indoor and outdoor units **so that the terminal numbers match.** Tighten the terminal screws securely. We recommend a flathead screwdriver be used to tighten the screws. The screws are packed with the terminal board.

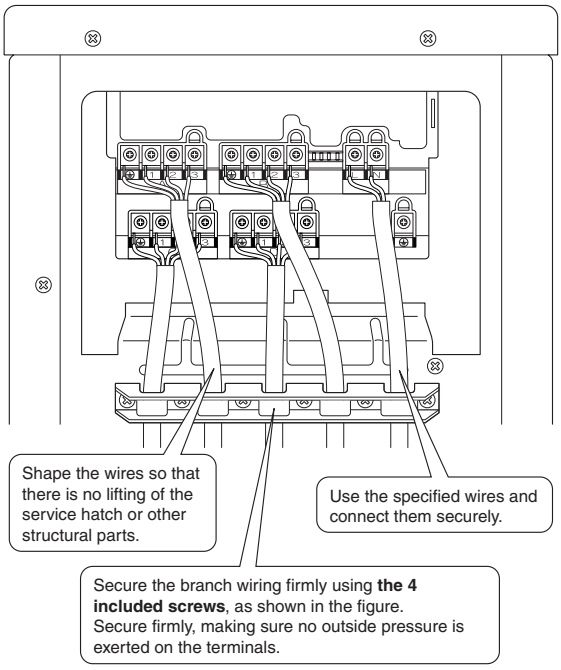


⚠CAUTION

When connecting the connection wires to the terminal board using a single core wire, be sure to perform curling.
Problems with the work may cause heat and fires.



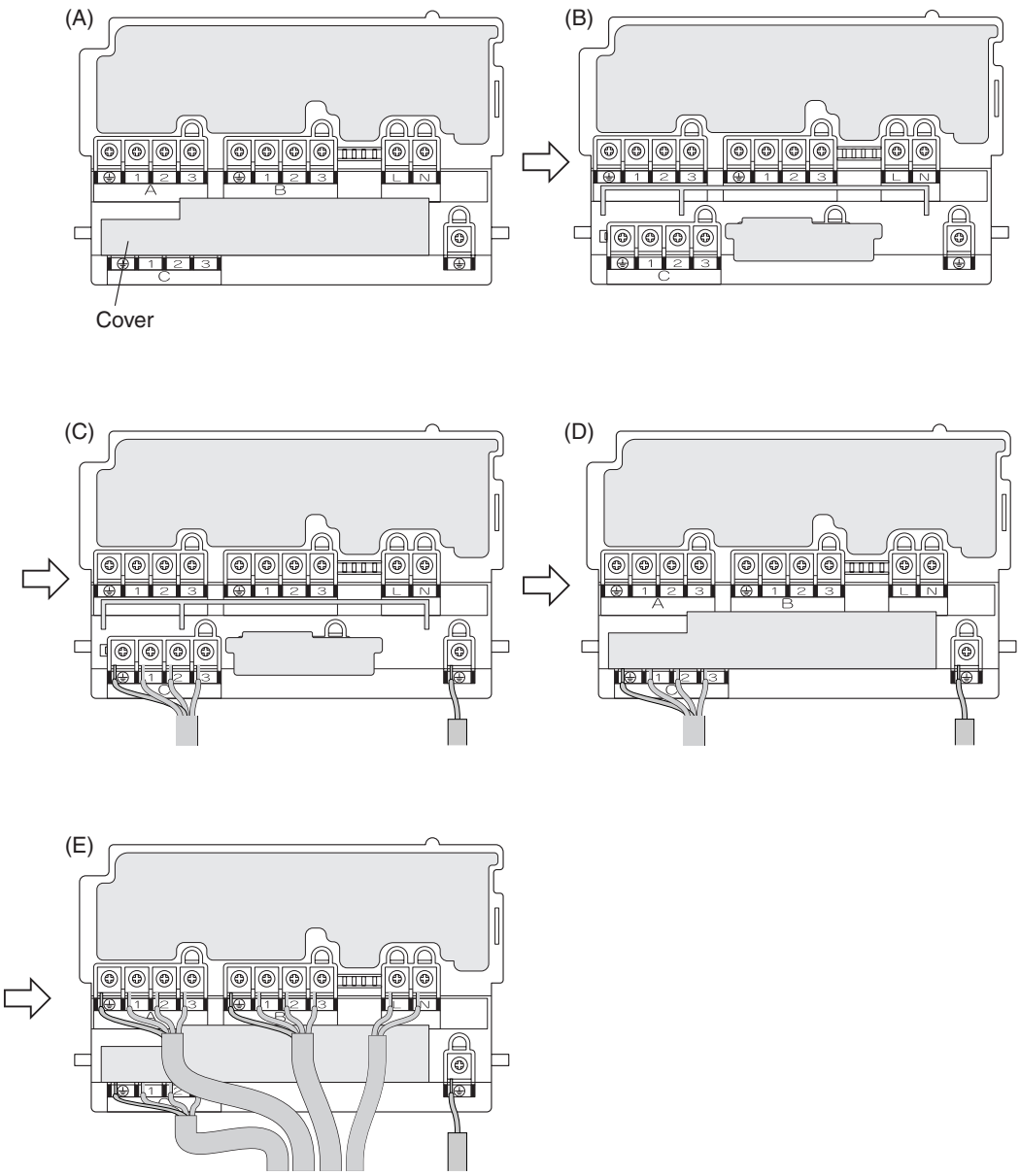
(3) Pull the wire and make sure that it does not disconnect. Then fix the wire in place with a wire stop.



4

Wiring

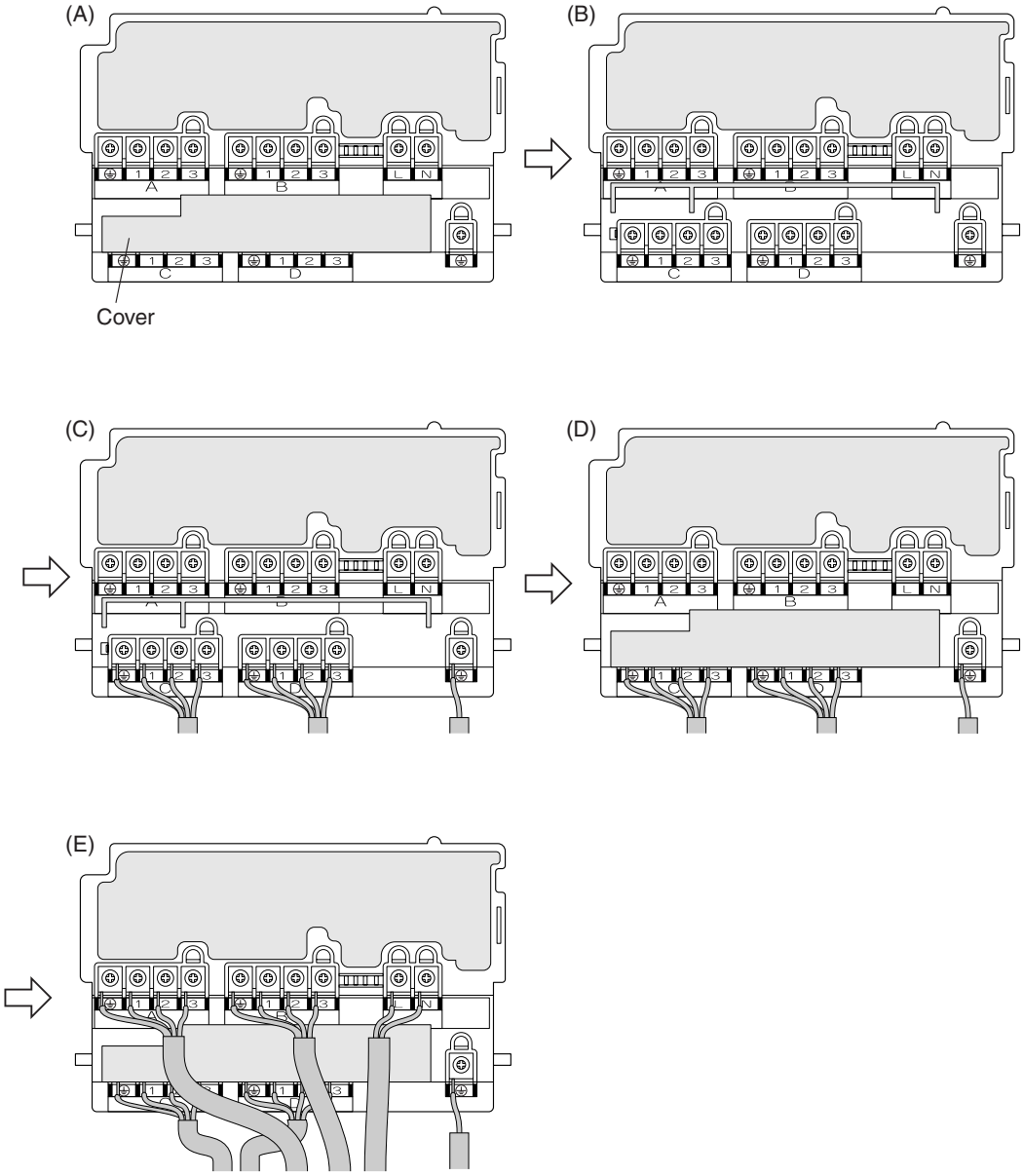
For 3MXD, 2MKD and 3MKD, follow the procedure below to connect the wires.



(1) Remove the service lid, and it should be as in Figure (A).
First push up the cover as shown in Figure (B), then connect room C (Figure (C)).
Be sure to connect from room C.
(2) After room C is connected, replace the cover (Figure (D)).
(3) Connect room A, B and power supply wires (Figure (E)).
(4) When connecting the power supply wires to rooms A and B, route the wires so that no force will be applied to the lid, which may otherwise be deformed. (Figure (E))

Wiring

For 4MKD, follow the procedure below to connect the wires.
(When connecting 3 or more rooms)



(1) Remove the service lid, and it should be as in Figure (A).
First push up the cover as shown in Figure (B), then connect room C, D (Figure (C)).
Be sure to connect from room C, D.
(2) After room C and D are connected, replace the cover (Figure (D)).
(3) Connect room A, B and power supply wires (Figure (E)).
(4) When connecting the power supply wires to rooms A and B, route the wires so that no force will be applied to the lid, which may otherwise be deformed. (Figure (E))

Earth

This air conditioner must be earthed.
For earthing, follow the applicable local standard for electrical installations.

Priority Room Setting

- To use Priority Room Setting, initial settings must be made when the unit is installed. Explain the Priority Room Setting, as described below, to the customer, and confirm whether or not the customer wants to use Priority Room Setting.
  Setting it in the guest and living rooms is convenient.

About the Priority Room Setting function

The indoor unit for which Priority Room Setting is applied takes priority in the following cases.

(1) Operation mode priority

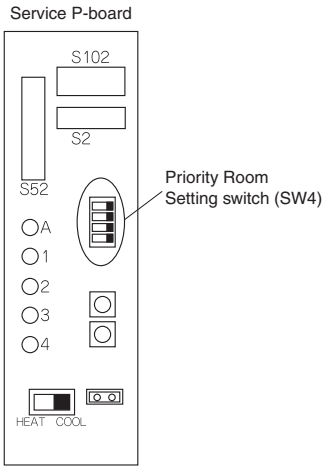
The operation mode of the indoor unit which is set for Priority Room Setting takes priority. If the set indoor unit is operating, all other indoor units do not operate and enter standby mode, according to the operation mode of the set indoor unit.

(2) Priority during high-power operation

If the indoor unit which is set for Priority Room Setting is operating at high power, the capabilities of other indoor units will be somewhat reduced. Power supply gives priority to the indoor unit which is set for Priority Room Setting.

(3) Quiet operation priority

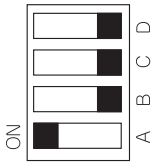
Setting the indoor unit to quiet operation will make the outdoor unit run quietly.



Setting procedure

Slide the switch to the ON side for the switch that corresponds to the piping connected to the indoor unit to be set.
(In the figure below, it is room A.)
Once the settings are complete, reset the power.

Be sure to only set one room

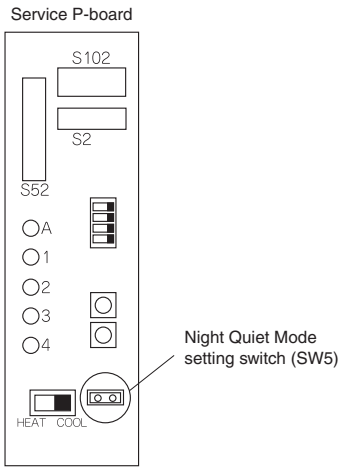


Night Quiet Mode setting

- If Night Quiet Mode is to be used, initial settings must be made when the unit is installed.
  Explain Night Quiet Mode, as described below, to the customer, and confirm whether or not the customer wants to use Night Quiet Mode.

About Night Quiet Mode

The Night Quiet Mode function reduces operating noise of the outdoor unit at nighttime. This function is useful if the customer is worried about the effects of the operating noise on the neighbors.
However, if Night Quiet Mode is running, cooling capacity will be saved.



Setting procedure

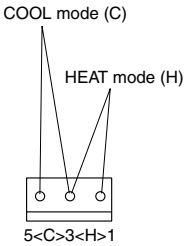
Remove the SW5 jumper switch.
Once the settings are complete, reset the power.

Note

Install the removed jumper switch as described below. This switch will be needed to later disable this setting.

COOL/ HEAT mode lock <S15> (Heat Pump units only)

- Use the S15 connector to set the unit to only cool or heat.
  Setting to only heat (H): short-circuit pins 1 and 3 of the connector <S15>
  Setting to only cool (C): short-circuit pins 3 and 5 of the connector <S15>
  The following specifications apply to the connector housing and pins.
  JST products Housing: VHR-5N
  Pin: SVH-21T-1,1
  Note that forced operation is also possible in COOL/HEAT mode.



Test Run and Final Check

- Before starting the test run, measure the voltage at the primary side of the safety breaker.
- Check that all liquid and gas shut-off valves are fully open.
- Check that piping and wiring all match. The wiring error check can be conveniently used for underground wiring and other wiring that cannot be directly checked.

Wiring error check

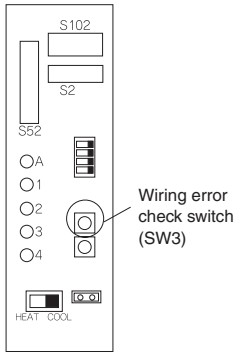
- This product is capable of automatic correction of wiring error.

Press the “wiring error check switch” on the outdoor unit service monitor print board. However, the wiring error check switch will not function for one minute after the safety breaker is turned on, or depending on the outside air conditions (See Note 2.). Approximately 10 – 15 minutes after the switch is pressed, the errors in the connection wiring will be corrected.

[The service monitor LEDs indicate whether or not correction is possible, as shown in the table below. For details about how to read the LED display, refer to the service guide.]

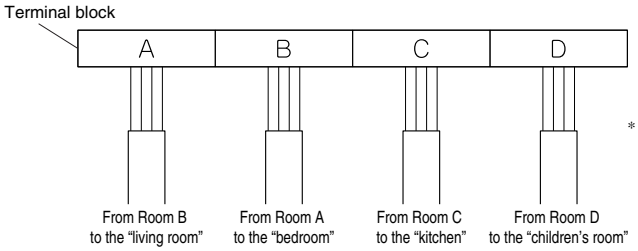
If self-correction is not possible, check the indoor unit wiring and piping in the usual manner.

Service P-board



LED	1	2	3	4	Message
Status	All Flashing				Automatic correction impossible
	Flashing	One after another			Automatic correction completed
	☼ (One or more of LEDs 1 to 4 are ON)				Abnormal stop [Note. 4]

Wiring correct example



∗ The figure at left shows branch wiring.

Wiring error check

LED lighting sequence after a wiring correction.

Order of LED flashing: 2 → 1 → 3 → 4

Notes

(1) For two rooms, LED 3 and 4 are not displayed, and for three rooms, LED 4 is not displayed.
(2) If the outside air temperature is 5 °C or less, the wiring error check function will not operate.
(3) After wiring error check operation is completed, LED indication will continue until ordinary operation starts. This is normal.
(4) Follow the product diagnosis procedures. (Check the nameplate on the underside of the shut-off valve.)

Test Run and Final Check

- To test cooling, set for the lowest temperature. To test heating, set for the highest temperature. (Depending on the room temperature, only heating or cooling (but not both) may be possible.)
- After the unit is stopped, it will not start again (heating or cooling) for approximately 3 minutes.
- During the test run, first check the operation of each unit individually. Then also check the simultaneous operation of all indoor units.
  Check both heating and cooling operation.
- After running the unit for approximately 20 minutes, measure the temperatures at the indoor unit inlet and outlet. If the measurements are above the values shown in the table below, then they are normal.

	Cooling	Heating
Temperature difference between inlet and outlet	Approx. 8 °C	Approx. 20 °C

(When running in one room)

- During cooling operation, frost may form on the gas shut-off valve or other parts. This is normal.
- Operate the indoor units in accordance with the included operation manual. Check that they operate normally.

Items to check

Check item	Consequences of trouble	Check
Are the indoor units installed securely?	Falling, vibration, noise	
Has an inspection been made to check for gas leakage?	No cooling, no heating	
Has complete thermal insulation been done (gas pipes, liquid pipes, indoor portions of the drain hose extension)?	Water leakage	
Is the drainage secure?	Water leakage	
Are the ground wire connections secure?	Danger in the event of a ground fault	
Are the electric wires connected correctly?	No cooling, no heating	
Is the wiring in accordance with the specifications?	Operation failure, burning	
Are the inlets/outlets of the indoor and outdoor units free of any obstructions? Are the shut-off valves open?	No cooling, no heating	
Do the marks match (room A, room B) on the wiring and piping for each indoor unit?	No cooling, no heating	
Is the priority room setting set for 2 or more rooms?	The priority room setting will not function.	

ATTENTION

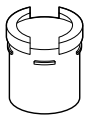
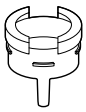
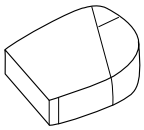
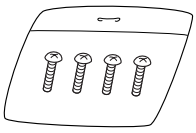
- Have the customer actually operate the unit while looking at the manual included with the indoor unit. Instruct the customer how to operate the unit correctly (particularly cleaning of the air filters, operation procedures, and temperature adjustment).
- Even when the air conditioner is not operating, it consumes some electric power. If the customer is not going to use the unit soon after it is installed, turn OFF the breaker to avoid wasting electricity.
- If additional refrigerant has been charged because of long piping, list the amount added on the nameplate on the reverse side of the shut-off valve cover.

C : 3P106797-1C

2.5 4MXD80BVMA

Accessories

Accessories supplied with the outdoor unit:

(A) Drain socket 	1	(B) Drain cap 	2	(C) Drain receiver 	3
(D) Reducer assy 	1	(E) Screw bag (For fixing electrical wire anchor bands) 	1	(F) Installation Manual	1

Precautions for Selecting the Location

OUTDOOR UNIT

1) Choose a place solid enough to bear the weight and vibration of the unit, where the operation noise will not be amplified.
2) Choose a location where the hot air discharged from the unit or the operation noise will not cause a nuisance to the neighbors of the user.
3) Avoid places near a bedroom and the like, so that the operation noise will cause no trouble.
4) There must be sufficient spaces for carrying the unit into and out of the site.
5) There must be sufficient space for air passage and no obstructions around the air inlet and the air outlet.
6) The site must be free from the possibility of flammable gas leakage in a nearby place.
7) Install units, power cords and inter-unit cables at least 3 meter away from television and radio sets. This is to prevent interference to images and sounds. (Noises may be heard even if they are more than 3 meter away depending on radio wave conditions.)
8) In coastal areas or other places with salty atmosphere of sulfate gas, corrosion may shorten the life of the air conditioner.
9) Since drain flows out of the outdoor unit, do not place under the unit anything which must be kept away from moisture.

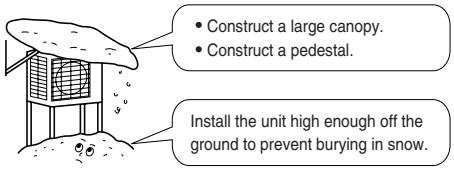
Note

Cannot be installed hanging from ceiling or stacked.

CAUTIONS

When operating the air conditioner in a low outdoor ambient temperature, be sure to follow the instructions described below.

1) To prevent exposure to wind, install the outdoor unit with its suction side facing the wall.
2) Never install the outdoor unit at a site where the suction side may be exposed directly to wind.
3) To prevent exposure to wind, it is recommended to install a baffle plate on the air discharge side of the outdoor unit.
4) In heavy snowfall areas, select an installation site where the snow will not affect the unit.

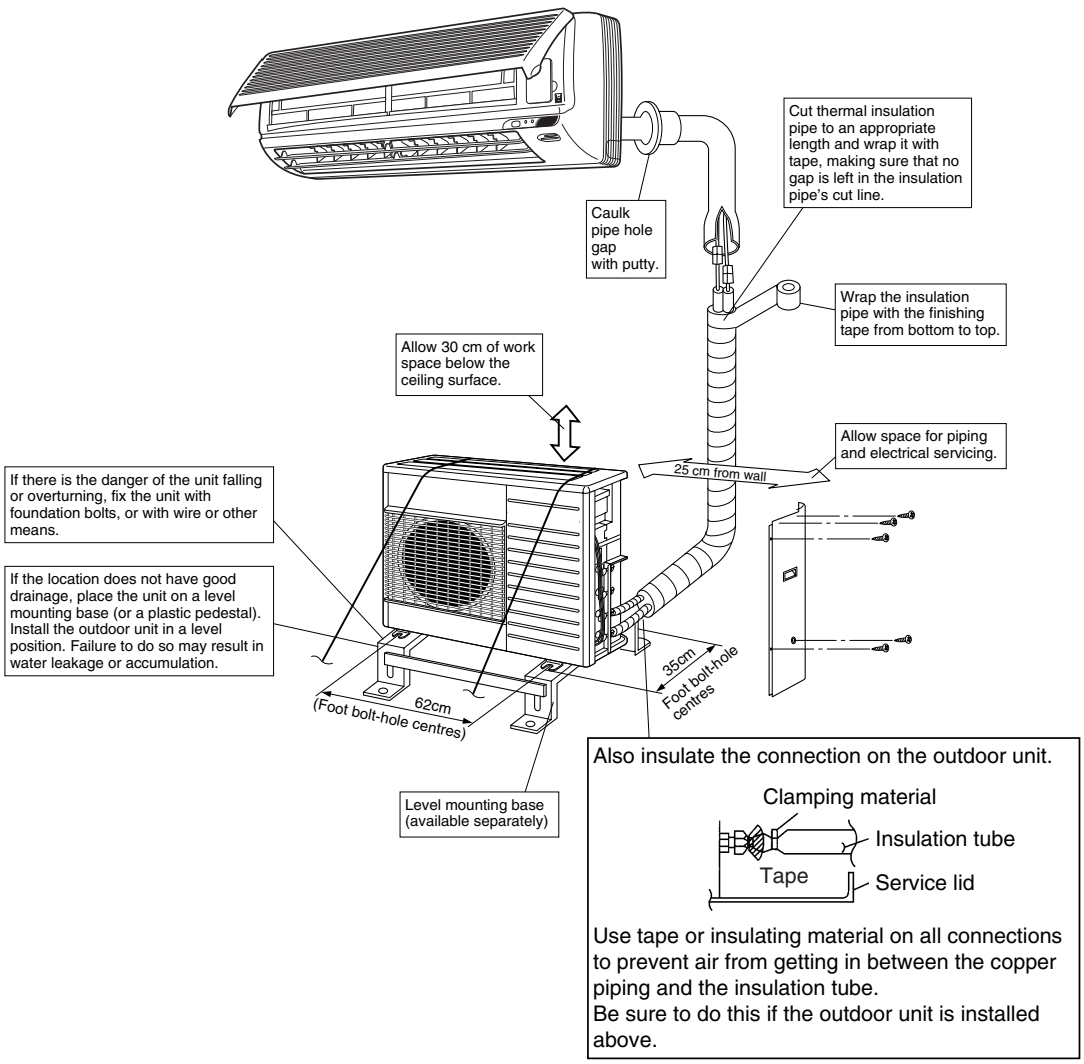


Indoor/outdoor Unit Installation Drawings

For installation of the indoor units, refer to the installation manual which was provided with the units.
(The diagram shows a wall-mounted indoor unit.)

⚠CAUTION

- Do not connect the embedded branch piping and the outdoor unit when only carrying out piping work without connecting the indoor unit in order to add another indoor unit later.
  Make sure no dirt or moisture gets into either side of the embedded branch piping.
  See “6 Refrigerant Piping Work” in “Outdoor Unit” for details.
- Heat pump type: It is impossible to connect the indoor unit for one room only. **Be sure to connect at least 2 rooms.**
  Cooling only type: It is possible to connect the indoor unit for one room only.



Installation

- Install the unit horizontally.
- The unit may be installed directly on a concrete verandah or a solid place if drainage is good.
- If the vibration may possibly be transmitted to the building, use a vibration-proof rubber (field supply).

Connections (connection port)

Install the indoor unit according to the table below, which shows the relationship between the class of indoor unit and the corresponding port.
The total indoor unit class that can be connected to this unit:

Heat pump type: 4MXD80∗ – Up to 13.5kW
Cooling only type: 4MKD90∗ – Up to 15.5kW

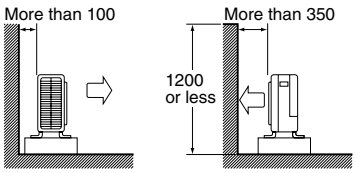
Port	4MXD80∗	4MKD90∗
A	25	#(25), 35
B	#(25), 35	▵(25), □(35), □(50), 60
C	▵(25), □(35), □(50), 60	▵●(25), □●(35), □●(50), ●(60), 71
D	▵●(25), □●(35), □●(50), ●(60), 71	▵●(25), □●(35), □●(50), ●(60), 71

( ) : Use a reducer to connect pipes.
: Use No. 2 and 5 reducers
▵ : Use No. 7 and 8 reducers
□ : Use No. 1 and 4 reducers
● : Use No. 3 and 6 reducers
Refer to “How to Use Reducers” for information on reducer numbers and their shapes.

Outdoor Unit Installation Guidelines

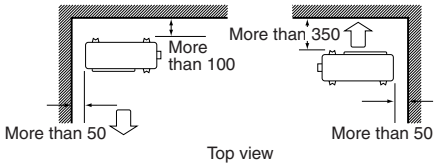
- Where a wall or other obstacle is in the path of outdoor unit's intake or exhaust airflow, follow the installation guidelines below.
- For any of the below installation patterns, the wall height on the exhaust side should be 1200 mm or less.

Wall facing one side



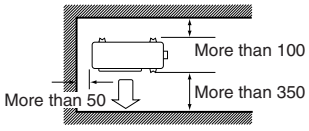
Side view

Walls facing two sides



Top view

Walls facing three sides



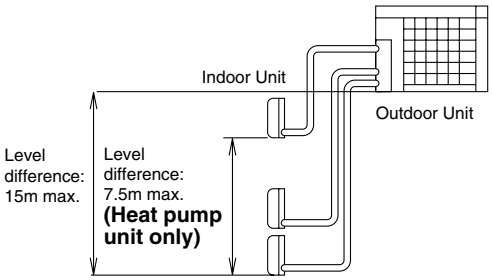
Top view

Unit: mm

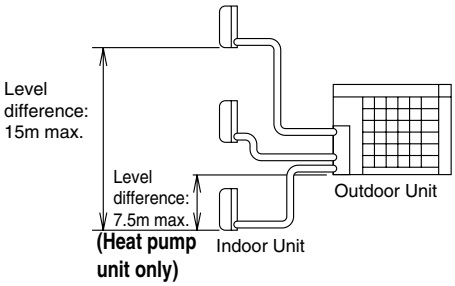
Selecting a location for installation of the indoor units

- The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below. (The shorter the refrigerant piping, the better the performance. Connect so that the piping is as short as possible. **Shortest allowable length per room is 3 m.**)

Outdoor unit capacity class	4MXD80, 4MKD90
Piping to each indoor unit	25m max.
Total length of piping between all units	70m max.



If the outdoor unit is positioned higher than the indoor units.



If the outdoor unit is positioned otherwise.
(If lower than one or more indoor units)

Outdoor Unit

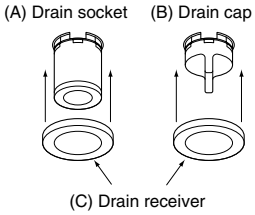
1 Installing Outdoor Unit

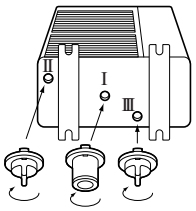
- When installing the outdoor unit, refer to “Precautions for Selecting the Location” and the “Indoor/outdoor Unit Installation Drawings.”
- If drain work is necessary, follow the procedures below.

2 Drain Work

- Use drain plug for drainage.
- If the drain port is covered by a mounting base or floor surface, place additional foot bases of at least 100 mm in height under the outdoor unit’s feet.
- In cold areas, do not use a drain hose with the outdoor unit. (Otherwise, drain water may freeze, impairing heating performance.)

1. Insert drain receiver (C) onto drain socket (A) and drain cap (B) beyond 4 projections around drain socket and drain cap.
2. Insert drain socket and drain caps into their matching drain hole ; Drain socket (A) into drain hole Ⅰ and drain caps (B) into drain hole Ⅱ and Ⅲ. After insertion, turn them about 40 clockwise.





(Be sure not to insert them into wrong drain holes, or there causes water leakage.)

(View from bottom)

3. Connect vinyl hose on the market (intemal diameter of 25 mm) to drain socket (A) (If the house is too long and hangs down, fix it carefully to prevent the kinks.)

Note

If the drain holes of the outdoor unit are covered with the mounting bracket or the floor, raise the unit to provide the space of more than 100mm under the leg of the outdoor unit.

3 Refrigerant Piping

1. Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.
   - Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and escaping gas.

Flare nut tightening torque	
Flare nut for ϕ6.4	14.2-17.2N·m (144-175kgf·cm)
Flare nut for ϕ9.5	32.7-39.9N·m (333-407kgf·cm)
Flare nut for ϕ12.7	49.5-60.3N·m (505-615kgf·cm)
Flare nut for ϕ15.9	61.8-75.4N·m (630-769kgf·cm)

Valve cap tightening torque
Liquid pipe 26.5-32.3N·m (270-330kgf·cm)
Gas pipe 48.1-59.7N·m (490-610kgf·cm)

Service port cap tightening torque
10.8-14.7N·m (110-150kgf·cm)

2. To prevent gas leakage, apply refrigeration machine oil on both inner and outer surfaces of the flare. (Use refrigeration oil for R-22)

4 Purging Air and Checking Gas Leakage

- When piping work is completed, it is necessary to purge the air and check for gas leakage. Refer to “Purging Air and Checking Gas Leakage”.

Outdoor Unit

5 Charging with Refrigerant

- If the total length of piping for all rooms exceeds the figure listed below, additionally charge with **20 g of** refrigerant (R-22) for each additional meter of piping.

Outdoor unit capacity class	4MXD80
Total length of piping for all rooms	40m

For cooling only

- Cooling only models (4MKD90) are chargeless. There is no need to charge with refrigerant.

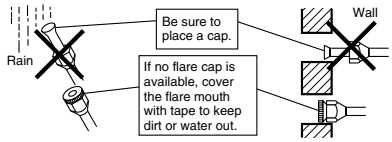
⚠CAUTION

Even though the shut-off valve is fully closed, the refrigerant may slowly leak out; do not leave the flare nut removed for a long period of time.

6 Refrigerant Piping Work

Cautions on Pipe Handling

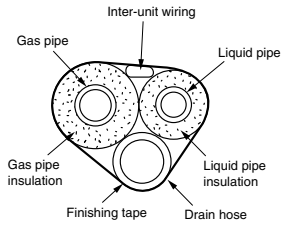
- Protect the open end of the pipe against dust and moisture.
- All pipe bends should be as gentle as possible. Use a pipe bender for bending.
  (Bending radius should be 30 to 40 mm or larger.)



Selection of Copper and Heat Insulation materials

When using commercial copper pipes and fittings, observe the following:

- Insulation material: Polyethylene foam
  Heat transfer rate: 0.041 to 0.052W/mK (0.035 to 0.045 kcal/mh°C)
  Refrigerant gas pipe's surface temperature reaches 110°C max.
  Choose heat insulation materials that will withstand this temperature.
- Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

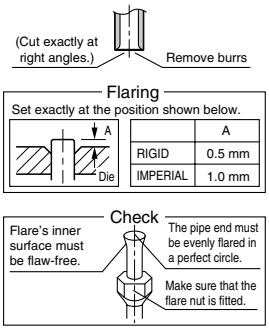


Pipe size	Pipe insulation
O.D.: 6.4mm / Thickness: 0.8mm	I.D.: 8 – 10mm / Thickness: 10mm min.
O.D.: 9.5mm, 12.7mm / Thickness: 0.8mm	I.D.: 12 – 15mm / Thickness: 13mm min.
O.D.: 15.9mm / Thickness: 1.0mm	I.D.: 16 – 20mm / Thickness: 13mm min.

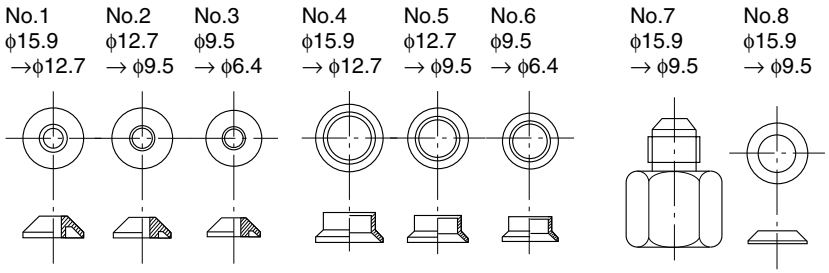
- Use separate thermal insulation pipes for gas and liquid refrigerant pipes.

7 Flaring the Pipe End

1. Cut the pipe end with a pipe cutter.
2. Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
3. Put the flare nut on the pipe.
4. Flare the pipe.
5. Check that the flaring is properly made.

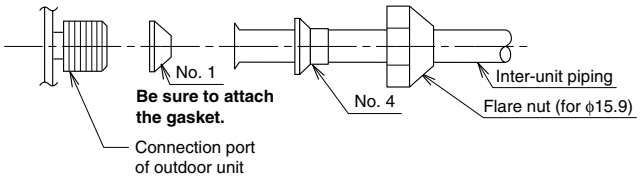


How to Use Reducers

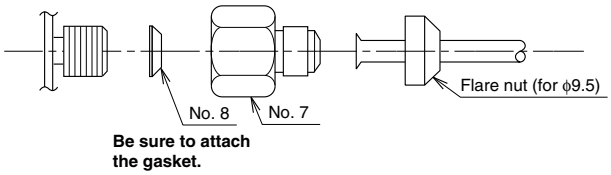


Use the reducers supplied with the unit as described below.

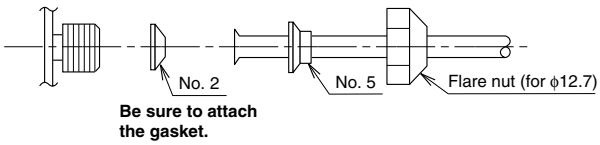
1. Connecting a pipe of ϕ12.7 to a gas pipe connection port for ϕ15.9:



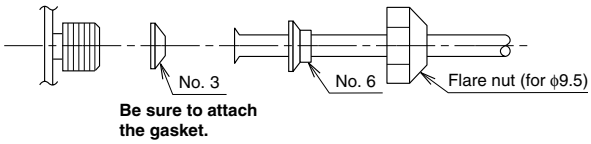
2. Connecting a pipe of ϕ9.5 to a gas pipe connection port for ϕ15.9:



3. Connecting a pipe of ϕ9.5 to a gas pipe connection port for ϕ12.7:



4. Connecting a pipe of ϕ6.4 to a liquid pipe connection port for ϕ9.5:



- When using the reducer packing shown above, be careful not to overtighten the nut, or the smaller pipe may be damaged. (about 2/3 - 1 the normal torque)
- Apply a coat of refrigeration oil to the threaded connection port of the outdoor unit where the flare nut comes in.
- Use an appropriate wrench to avoid damaging the connection thread by overtightening the flare nut.

Flare nut tightening torque	
Flare nut for ϕ6.4	14.2–17.2N·m (144–175kgf·cm)
Flare nut for ϕ9.5	32.7–39.9N·m (333–407kgf·cm)
Flare nut for ϕ12.7	49.5–60.3N·m (505–615kgf·cm)
Flare nut for ϕ15.9	61.8–75.4N·m (630–769kgf·cm)

Purging Air and Checking Gas Leakage

⚠WARNING

Do not mix any substance other than the specified refrigerant (R-22) into the refrigeration cycle.

⚠WARNING

Refrigerant gas leaks during air purging, ventilate the room as soon as possible.

To prevent air pollution, a vacuum pump should be used for air purging wherever possible.

⚠WARNING

Use a vacuum pump for R-22 exclusively. Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.

- If using additional refrigerant, perform air purging from the refrigerant pipes and indoor unit using a vacuum pump, then charge additional refrigerant.
- Use a hexagonal wrench (4 mm) to operate the shut-off valve rod.
- All refrigerant pipe joints should be tightened with a torque wrench at the specified tightening torque.

(1) Connect projection side (on which worm pin is pressed) of charging hose (which comes from gauge manifold) to gas shut-off valve's service port.

⇩

(2) Fully open gauge manifold's low-pressure valve (Lo) and completely close its high-pressure valve (Hi). (High-pressure valve subsequently requires no operation.)

⇩

(3) Apply vacuum pumping. Check that the compound pressure gauge reads –0.1 MPa (–76 cm Hg). Evacuation for at least 1 hour is recommended.

⇩

(4) Close gauge manifold's low-pressure valve (Lo) and stop vacuum pump.
(Leave as is for 4-5 minutes and make sure the coupling meter needle does not go back.
If it does go back, this may indicate the presence of moisture or leaking from connecting parts. After inspecting all the connection and loosening then retightening the nuts, repeat steps 2 – 4.)

⇩

(5) Remove covers from liquid shut-off value and gas shut-off valve.

⇩

(6) Turn the liquid shut-off valve's rod 90 degrees counterclockwise with a hexagonal wrench to open valve.
Close it after 5 seconds, and check for gas leakage.
Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods.
After the check is complete, wipe all soapy water off.

⇩

(7) Disconnect charging hose from gas shut-off valve's service port, then fully open liquid and gas shut-off valves. (Do not attempt to turn valve rod beyond its stop.)

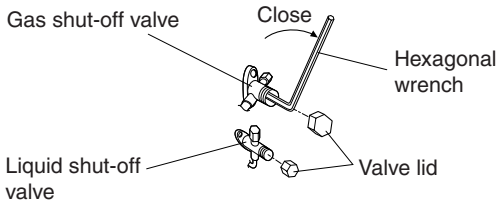
⇩

(8) Tighten valve lids and service port caps for the liquid and gas shut-off valves with a torque wrench at the specified torques. See "3 Refrigerant Piping" in "Outdoor Unit" for details.

Pump Down Operation

In order to protect the environment, be sure to pump down when relocating or disposing of the unit.

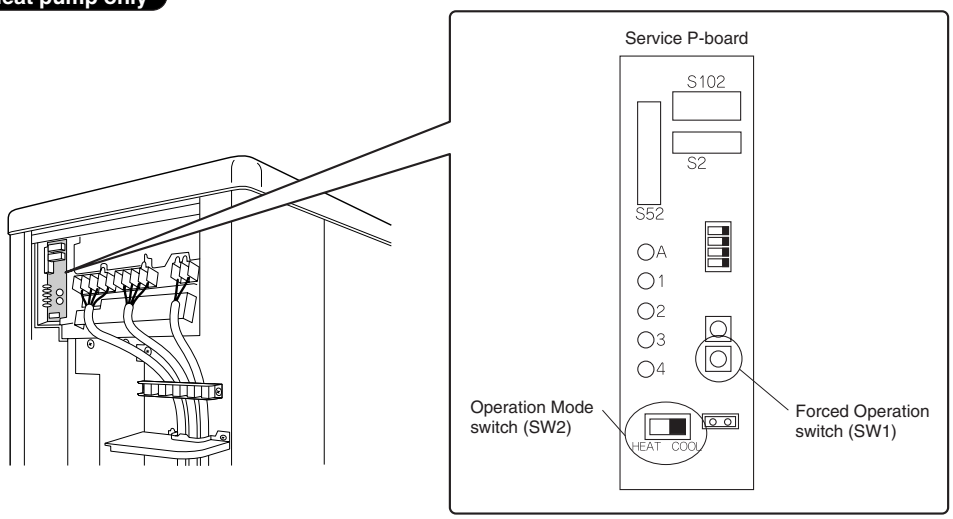
(1) Remove the valve lid from liquid shut-off valve and gas shut-off valve.
(2) Carry out forced cooling operation.
(3) After five to ten minutes, close the liquid shut-off valve with a hexagonal wrench.
(4) After two to three minutes, close the gas shut-off valve and stop forced cooling operation.



Forced operation

(1) Turn the Operation Mode switch (SW2) to “COOL.”
(2) Press the Forced Operation switch (SW1) to begin forced cooling. Press the Forced Operation switch (SW1) again to stop forced cooling.

For heat pump only



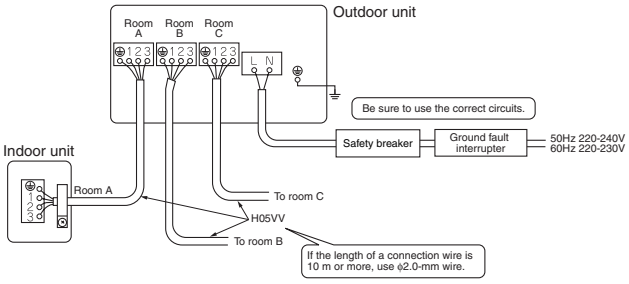
Wiring

⚠WARNING

Do not use tapped wires, stand wires, extensioncords, or starbust connections, as they may cause overheating, electrical shock, or fire.

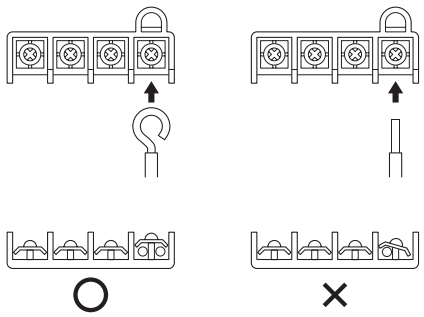
- Do not turn ON the safety breaker until all work is completed.

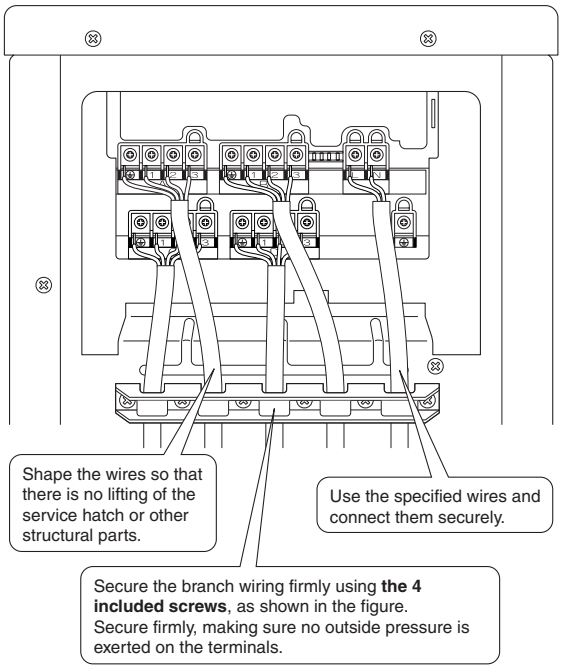
(1) Strip the insulation from the wire (20 mm).
(2) Connect the connection wires between the indoor and outdoor units **so that the terminal numbers match.** Tighten the terminal screws securely. We recommend a flathead screwdriver be used to tighten the screws. The screws are packed with the terminal board.



⚠CAUTION

When connecting the connection wires to the terminal board using a single core wire, be sure to perform curling.
Problems with the work may cause heat and fires.



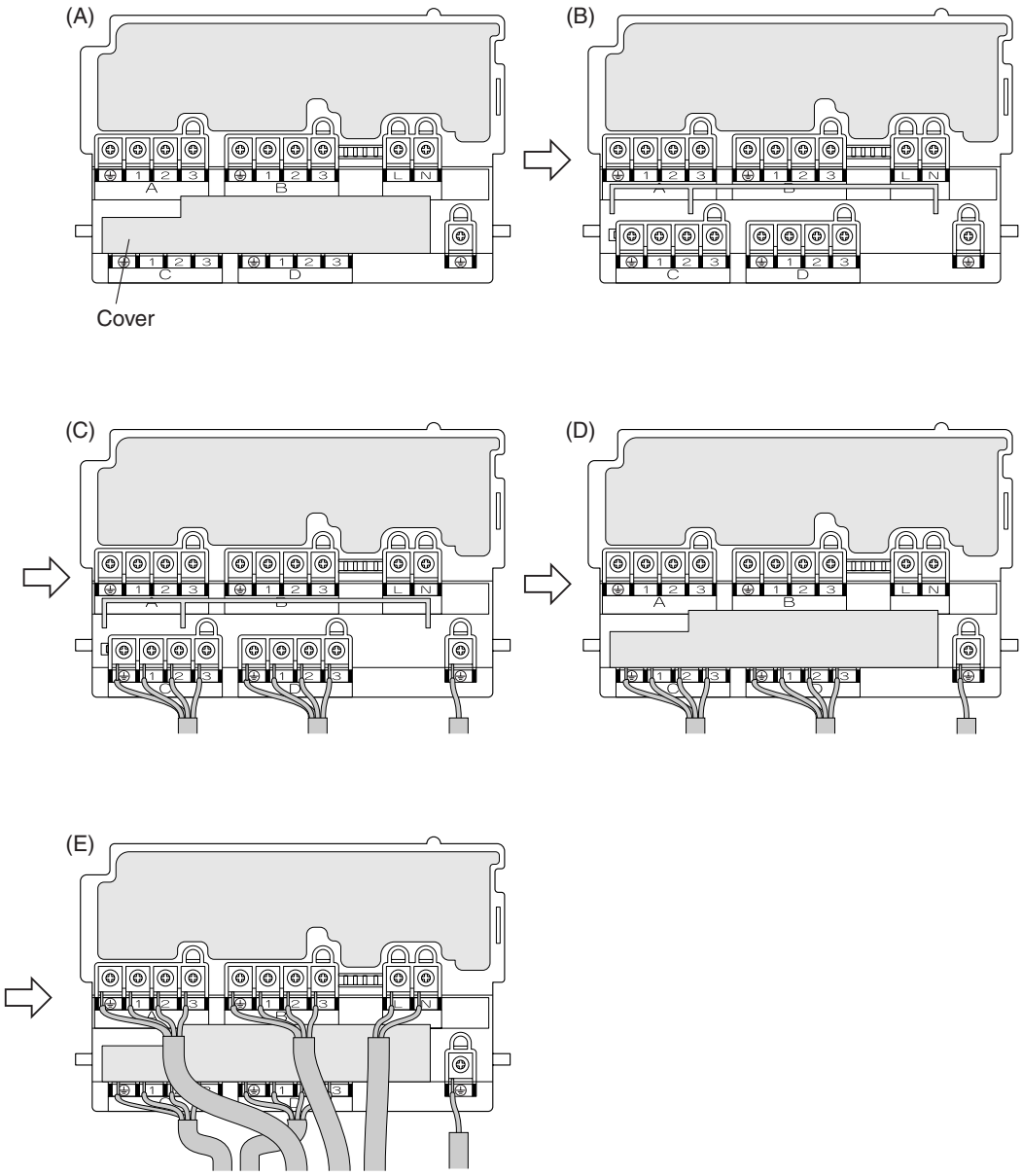


(3) Pull the wire and make sure that it does not disconnect. Then fix the wire in place with a wire stop.

4

Wiring

For 4MX and 4MK, follow the procedure below to connect the wires.
(When connecting 3 or more rooms)



(1) Remove the service lid, and it should be as in Figure (A).
First push up the cover as shown in Figure (B), then connect room C, D (Figure (C)).
Be sure to connect from room C, D.
(2) After room C and D are connected, replace the cover (Figure (D)).
(3) Connect room A, B and power supply wires (Figure (E)).
(4) When connecting the power supply wires to rooms A and B, route the wires so that no force will be applied to the lid, which may otherwise be deformed. (Figure (E))

Earth

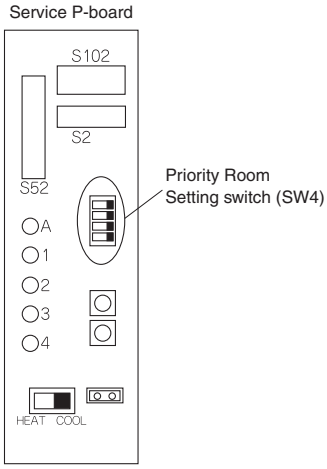
This air conditioner must be earthed.
For earthing, follow the applicable local standard for electrical installations.

Priority Room Setting

- To use Priority Room Setting, initial settings must be made when the unit is installed. Explain the Priority Room Setting, as described below, to the customer, and confirm whether or not the customer wants to use Priority Room Setting.
  Setting it in the guest and living rooms is convenient.

About the Priority Room Setting function

The indoor unit for which Priority Room Setting is applied takes priority in the following cases.



(1) Operation mode priority

The operation mode of the indoor unit which is set for Priority Room Setting takes priority. If the set indoor unit is operating, all other indoor units do not operate and enter standby mode, according to the operation mode of the set indoor unit.

(2) Priority during high-power operation

If the indoor unit which is set for Priority Room Setting is operating at high power, the capabilities of other indoor units will be somewhat reduced. Power supply gives priority to the indoor unit which is set for Priority Room Setting.

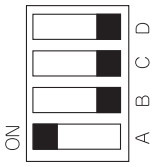
(3) Quiet operation priority

Setting the indoor unit to quiet operation will make the outdoor unit run quietly.

Setting procedure

Slide the switch to the ON side for the switch that corresponds to the piping connected to the indoor unit to be set.
(In the figure below, it is room A.)
Once the settings are complete, reset the power.

Be sure to only set one room

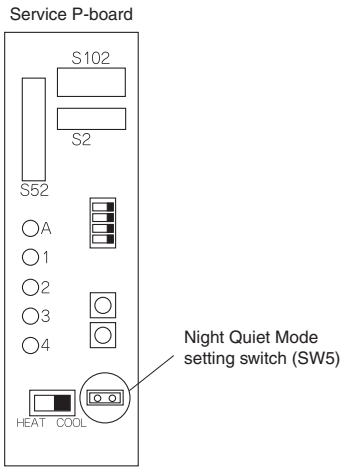


Night Quiet Mode setting

- If Night Quiet Mode is to be used, initial settings must be made when the unit is installed.
  Explain Night Quiet Mode, as described below, to the customer, and confirm whether or not the customer wants to use Night Quiet Mode.

About Night Quiet Mode

The Night Quiet Mode function reduces operating noise of the outdoor unit at nighttime. This function is useful if the customer is worried about the effects of the operating noise on the neighbors.
However, if Night Quiet Mode is running, cooling capacity will be saved.

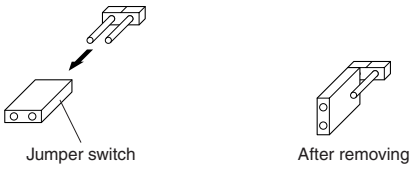


Setting procedure

Remove the SW5 jumper switch.
Once the settings are complete, reset the power.

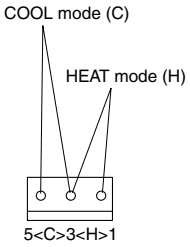
Note

Install the removed jumper switch as described below. This switch will be needed to later disable this setting.



COOL/ HEAT mode lock <S15> (Heat Pump units only)

- Use the S15 connector to set the unit to only cool or heat.
  Setting to only heat (H): short-circuit pins 1 and 3 of the connector <S15>
  Setting to only cool (C): short-circuit pins 3 and 5 of the connector <S15>
  The following specifications apply to the connector housing and pins.
  JST products Housing: VHR-5N
  Pin: SVH-21T-1,1
  Note that forced operation is also possible in COOL/HEAT mode.



Test Run and Final Check

- Before starting the test run, measure the voltage at the primary side of the safety breaker.
- Check that all liquid and gas shut-off valves are fully open.
- Check that piping and wiring all match. The wiring error check can be conveniently used for underground wiring and other wiring that cannot be directly checked.

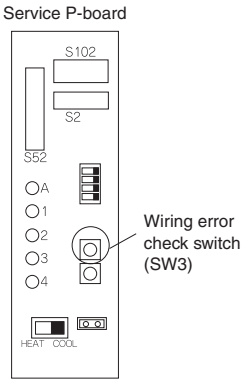
Wiring error check

- This product is capable of automatic correction of wiring error.

Press the “wiring error check switch” on the outdoor unit service monitor print board. However, the wiring error check switch will not function for one minute after the safety breaker is turned on, or depending on the outside air conditions (See Note 2.). Approximately 10 – 15 minutes after the switch is pressed, the errors in the connection wiring will be corrected.

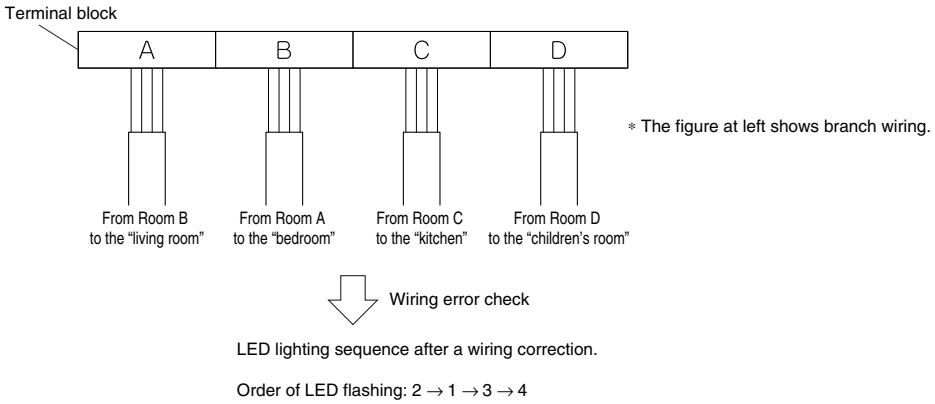
[The service monitor LEDs indicate whether or not correction is possible, as shown in the table below. For details about how to read the LED display, refer to the service guide.]

If self-correction is not possible, check the indoor unit wiring and piping in the usual manner.



LED	1	2	3	4	Message
Status	All Flashing				Automatic correction impossible
	Flashing One after another				Automatic correction completed
	☼ (One or more of LEDs 1 to 4 are ON)				Abnormal stop [Note. 4]

Wiring correct example



Notes

(1) For two rooms, LED 3 and 4 are not displayed, and for three rooms, LED 4 is not displayed.
(2) If the outside air temperature is 5 °C or less, the wiring error check function will not operate.
(3) After wiring error check operation is completed, LED indication will continue until ordinary operation starts. This is normal.
(4) Follow the product diagnosis procedures. (Check the nameplate on the underside of the shut-off valve.)

Test Run and Final Check

- To test cooling, set for the lowest temperature. To test heating, set for the highest temperature. (Depending on the room temperature, only heating or cooling (but not both) may be possible.)
- After the unit is stopped, it will not start again (heating or cooling) for approximately 3 minutes.
- During the test run, first check the operation of each unit individually. Then also check the simultaneous operation of all indoor units.
  Check both heating and cooling operation.
- After running the unit for approximately 20 minutes, measure the temperatures at the indoor unit inlet and outlet. If the measurements are above the values shown in the table below, then they are normal.

	Cooling	Heating
Temperature difference between inlet and outlet	Approx. 8 °C	Approx. 20 °C

(When running in one room)

- During cooling operation, frost may form on the gas shut-off valve or other parts. This is normal.
- Operate the indoor units in accordance with the included operation manual. Check that they operate normally.

Items to check

Check item	Consequences of trouble	Check
Are the indoor units installed securely?	Falling, vibration, noise	
Has an inspection been made to check for gas leakage?	No cooling, no heating	
Has complete thermal insulation been done (gas pipes, liquid pipes, indoor portions of the drain hose extension)?	Water leakage	
Is the drainage secure?	Water leakage	
Are the ground wire connections secure?	Danger in the event of a ground fault	
Are the electric wires connected correctly?	No cooling, no heating	
Is the wiring in accordance with the specifications?	Operation failure, burning	
Are the inlets/outlets of the indoor and outdoor units free of any obstructions? Are the shut-off valves open?	No cooling, no heating	
Do the marks match (room A, room B) on the wiring and piping for each indoor unit?	No cooling, no heating	
Is the priority room setting set for 2 or more rooms?	The priority room setting will not function.	

ATTENTION

- Have the customer actually operate the unit while looking at the manual included with the indoor unit. Instruct the customer how to operate the unit correctly (particularly cleaning of the air filters, operation procedures, and temperature adjustment).
- Even when the air conditioner is not operating, it consumes some electric power. If the customer is not going to use the unit soon after it is installed, turn OFF the breaker to avoid wasting electricity.
- If additional refrigerant has been charged because of long piping, list the amount added on the nameplate on the reverse side of the shut-off valve cover.

3P106797-2C

Part 5
Operation Manual

1. Operations

1.1 Contents and Reference Page

Model Series	Wall Mounted Type			Duct Connected Type		Floor/Ceiling Suspended Dual Type
	FTKD25/35D	FTXE25/35B	FTK(X)D50/60/71F	CDK(X)D25~60C	CDK(X)D25/35E	FLK(X)25~60A
Read before Operation						
Safety Precautions	317	317	317	317	317	317
Names of Parts	319	322	325	328	328	331
Preparation before Operation ★	334	334	334	334	334	334
Operation						
AUTO, DRY, COOL, HEAT, FAN Operation ★	337	337	337	337	337	337
Adjusting the Air Flow Direction	339	341	343	—	—	345
POWERFUL Operation ★	347	347	347	347	347	347
OUTDOOR UNIT Quiet Operation ★	348	348	348	348	348	348
ECONO Operation	349	—	—	—	—	—
MOLD PROOF Operation	350	—	—	—	—	—
HOME LEAVE Operation ★	—	351	351	351	351	351
INTELLIGENT EYE Operation	353	355	357	—	—	—
TIMER Operation ★	359	359	359	359	359	359
Note for Multi System	361	361	361	361	361	361
Care						
Care and Cleaning	363	366	369	372	373	374
Trouble Shooting						
Trouble Shooting	377	377	377	377	377	377
Drawing No.	3P142638-5K	3P098590-2L	3P192025-2	3P196326-1 3P196326-2	3P196326-3 3P196326-4	3P077961-5K

★ : Illustrations are for wall mounted type FTK(X)D 50/60/71F as representative.

1.2 Safety Precautions

Safety precautions

- Keep this manual where the operator can easily find them.
- Read this manual attentively before starting up the unit.
- For safety reason the operator must read the following cautions carefully.
- This manual classifies precautions into WARNINGS and CAUTIONS. Be sure to follow all precautions below: they are all important for ensuring safety.

⚠ WARNING	⚠ CAUTION
If you do not follow these instructions exactly, the unit may cause property damage, personal injury or loss of life.	If you do not follow these instructions exactly, the unit may cause minor or moderate property damage or personal injury.

Never do.

Be sure to follow the instructions.

Be sure to earth the air conditioner.

Never cause the air conditioner (including the remote controller) to get wet.

Never touch the air conditioner (including the remote controller) with a wet hand.

⚠ WARNING

- In order to avoid fire, explosion or injury, do not operate the unit when harmful, among which flammable or corrosive gases, are detected near the unit.
- It is not good for health to expose your body to the air flow for a long time.
- Do not put a finger, a rod or other objects into the air outlet or inlet. As the fan is rotating at a high speed, it will cause injury.
- Do not attempt to repair, relocate, modify or reinstall the air conditioner by yourself. Incorrect work will cause electric shocks, fire etc.
  For repairs and reinstallation, consult your Daikin dealer for advice and information.

- The refrigerant used in the air conditioner is safe. Although leaks should not occur, if for some reason any refrigerant happens to leak into the room, make sure it does not come in contact with any flame as of gas heaters, kerosene heaters or gas range.
- If the air conditioner is not cooling (heating) properly, the refrigerant may be leaking, so call your dealer.
  When carrying out repairs accompanying adding refrigerant, check the content of the repairs with our service staff.
- Do not attempt to install the air conditioner by your self. Incorrect work will result in water leakage, electric shocks or fire. For installation, consult the dealer or a qualified technician.
- In order to avoid electric shock, fire or injury, if you detect any abnormally such as smell of fire, stop the operation and turn off the breaker. And call your dealer for instructions.

⚠ CAUTION

- The air conditioner must be earthed. Incomplete earthing may result in electric shocks. Do not connect the earth line to a gas pipe, water pipe, lightning rod, or a telephone earth line.

- In order to avoid any quality deterioration, do not use the unit for cooling precision instruments, food, plants, animals or works of art.
- Never expose little children, plants or animals directly to the air flow.
- Do not place appliances which produce open fire in places exposed to the air flow from the unit or under the indoor unit. It may cause incomplete combustion or deformation of the unit due to the heat.
- Do not block air inlets nor outlets. Impaired air flow may result in insufficient performance or trouble.

- Do not stand or sit on the outdoor unit. Do not place any object on the unit to avoid injury, do not remove the fan guard.
- Do not place anything under the indoor or outdoor unit that must be kept away from moisture. In certain conditions, moisture in the air may condense and drip.
- After a long use, check the unit stand and fittings for damage.
- Do not touch the air inlet and aluminum fins of outdoor unit. It may cause injury.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children shuld be supervised to ensure that they do not play with the appliance.

- To avoid oxygen deficiency, ventilate the room sufficiently if equipment with burner is used together with the air conditioner.
- Before cleaning, be sure to stop the operation, turn the breaker off or pull out the supply cord.
- Do not connect the air conditioner to a power supply different from the one as specified. It may cause trouble or fire.
- Depending on the environment, an earth leakage breaker must be installed. Lack of an earth leakage breaker may result in electric shocks.
- Arrange the drain hose to ensure smooth drainage. Incomplete draining may cause wetting of the building, furniture etc.
- Do not place objects in direct proximity of the outdoor unit and do not let leaves and other debris accumulate around the unit.
  Leaves are a hotbed for small animals which can enter the unit. Once in the unit, such animals can cause malfunctions, smoke or fire when making contact with electrical parts.

- Do not operate the air conditioner with wet hands.

- Do not wash the indoor unit with excessive water, only use a slightly wet cloth.
- Do not place things such as vessels containing water or anything else on top of the unit. Water may penetrate into the unit and degrade electrical insulations, resulting in an electric shock.

Installation site

■ To install the air conditioner in the following types of environments, consult the dealer.
- Places with an oily ambient or where steam or soot occurs.
- Salty environment such as coastal areas.
- Places where sulfide gas occurs such as hot springs.
- Places where snow may block the outdoor unit.

The drain from the outdoor unit must be discharged to a place of good drainage.

Consider nuisance to your neighbours from noises

■ For installation, choose a place as described below.
- A place solid enough to bear the weight of the unit which does not amplify the operation noise or vibration.
- A place from where the air discharged from the outdoor unit or the operation noise will not annoy your neighbours.

Electrical work

- For power supply, be sure to use a separate power circuit dedicated to the air conditioner.

System relocation

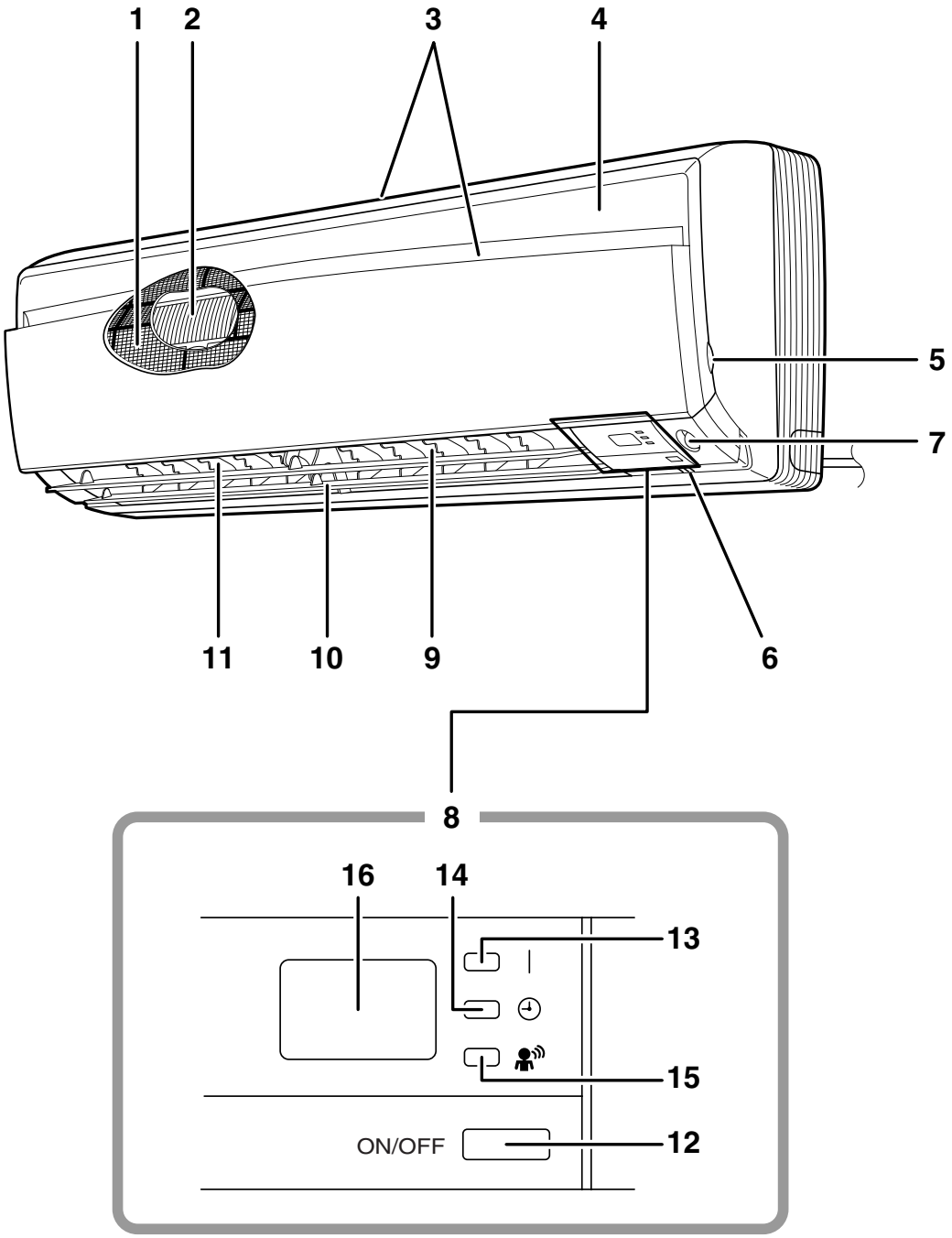
- Relocating the air conditioner requires specialized knowledge and skills. Please consult the dealer if relocation is necessary for moving or remodeling.

1.3 Names of Parts

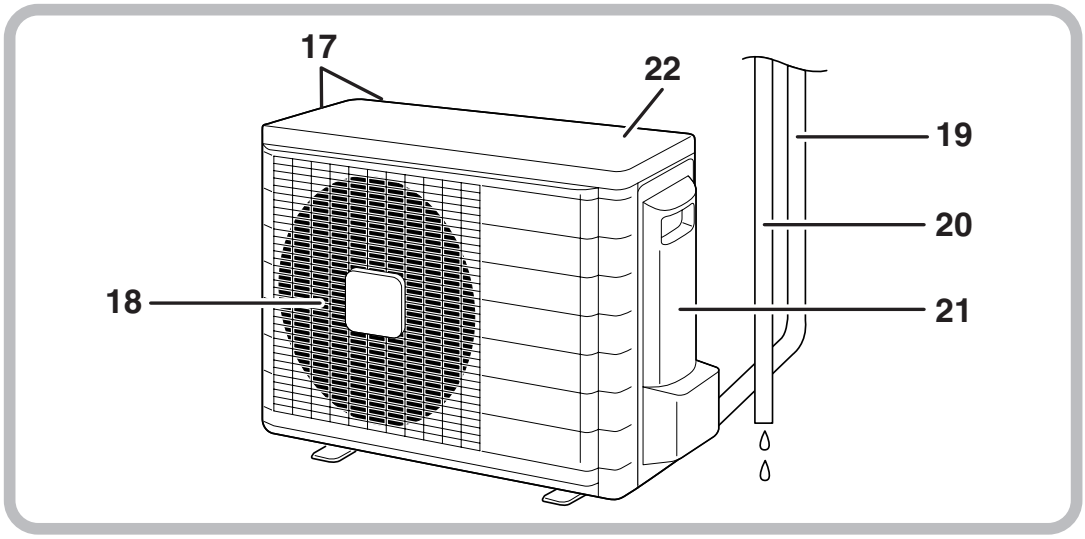
FTKD 25/35 D

Names of parts

■ Indoor Unit



■ Outdoor Unit



■ Indoor Unit

1. **Air filter**
2. **Photocatalytic deodorizing filter or Air-Purifying filter:**
   - These filters are attached to the inside of the air filters.
3. **Air inlet**
4. **Front panel**
5. **Panel tab**
6. **Room temperature sensor:**
   - It senses the air temperature around the unit.
7. **INTELLIGENT EYE sensor:**
   - It detects the movements of people and automatically switches between normal operation and energy saving operation.
8. **Display**
9. **Air outlet**
10. **Flaps (horizontal blades)**
11. **louvers (vertical blades):**
    - The louvers are inside of the air outlet.
12. **Indoor Unit ON/OFF switch:**
    - Push this switch once to start operation. Push once again to stop it.
    - The operation mode refers to the following table.

Mode	Temperature setting	Air flow rate
COOL	22°C	AUTO

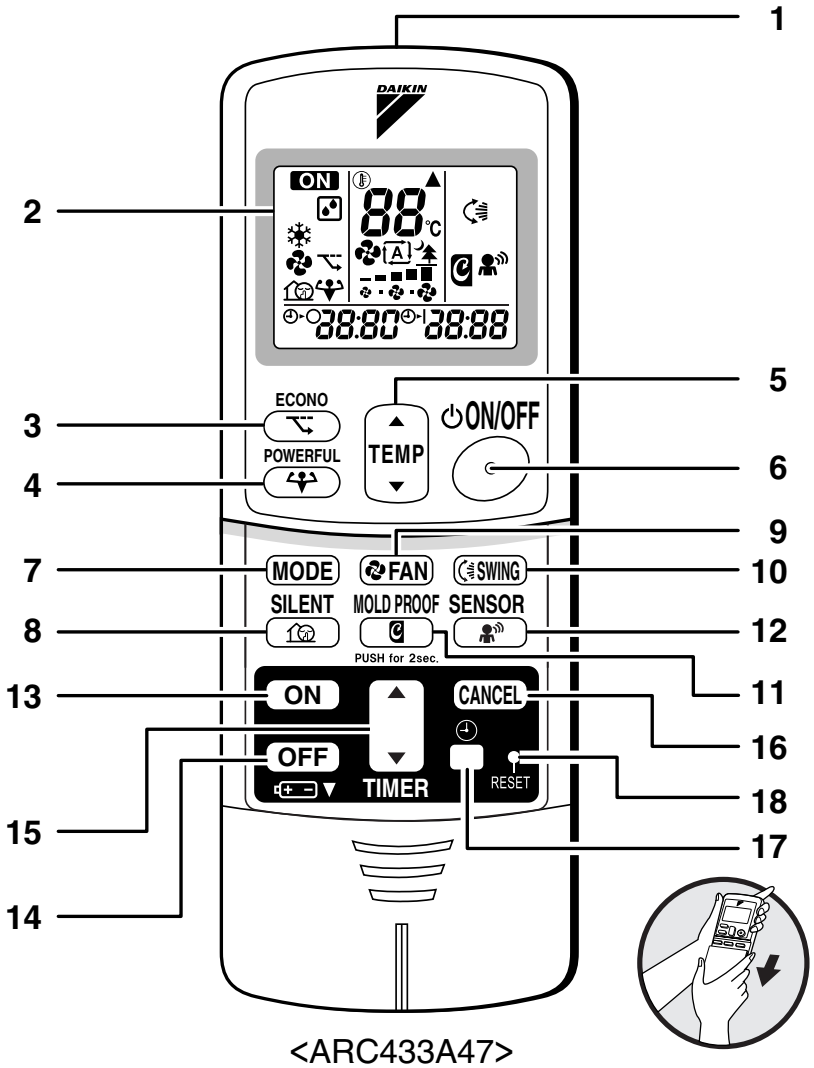
    - This switch is useful when the remote controller is missing.
13. **Operation lamp (green)**
14. **TIMER lamp (yellow)**
15. **INTELLIGENT EYE lamp (green)**
16. **Signal receiver:**
    - It receives signals from the remote controller.
    - When the unit receives a signal, you will hear a short beep.
      - Operation start .....beep-beep
      - Settings changed.....beep
      - Operation stop .....beeeeep

■ Outdoor Unit

17. **Air inlet:** (Back and side)
18. **Air outlet**
19. **Refrigerant piping and inter-unit cable**
20. **Drain hose**
21. **Earth terminal:**
    - It is inside of this cover.
22. **Outside air temperature sensor:**
    - It senses the ambient temperature around the unit.

Appearance of the outdoor unit may differ from some models.

■ Remote Controller



<ARC433A47>

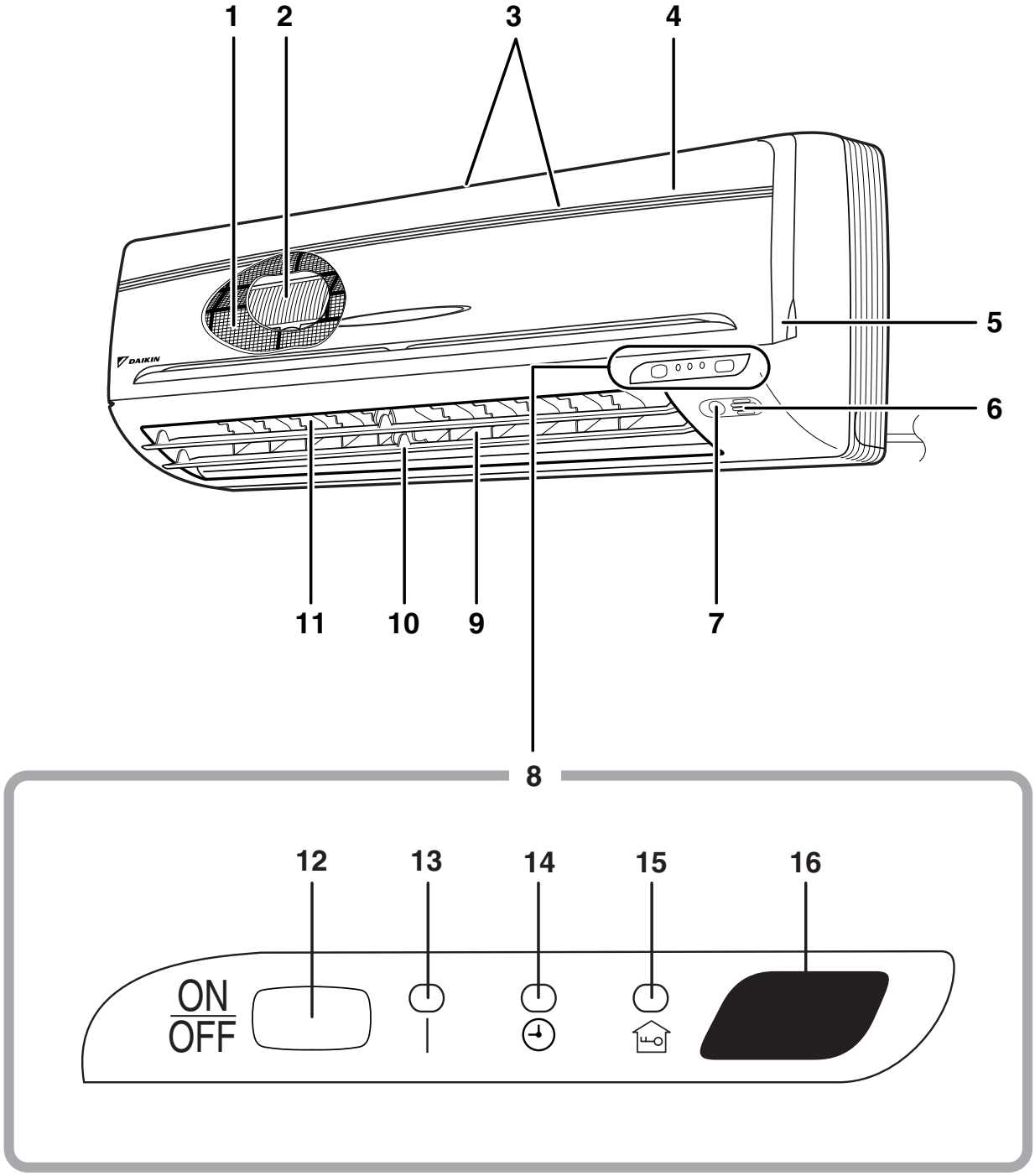
1. **Signal transmitter:**
   - It sends signals to the indoor unit.
2. **Display:**
   - It displays the current settings.
     (In this illustration, each section is shown with all its displays ON for the purpose of explanation.)
3. **ECONO button:**
   ECONO operation.
4. **POWERFUL button:**
   POWERFUL operation
5. **TEMPERATURE adjustment buttons:**
   It changes the temperature setting.
6. **ON/OFF button:**
   - Press this button once to start operation. Press once again to stop it.
7. **MODE selector button:**
   - It selects the operation mode. (DRY/COOL/FAN)
8. **SILENT button:** OUTDOOR UNIT SILENT operation.
9. **FAN setting button:**
   - It selects the air flow rate setting.
10. **SWING button:**
    - Adjusting the Air Flow Direction.
11. **MOLD PROOF button:**
    MOLD PROOF operation.
12. **SENSOR button:** INTELLIGENT EYE operation.
13. **ON TIMER button**
14. **OFF TIMER button**
15. **TIMER Setting button:**
    It changes the time setting.
16. **TIMER CANCEL button:**
    - It cancels the timer setting.
17. **CLOCK button**
18. **RESET button:**
    - Restart the unit if it freezes.
    - Use a thin object to push.

5

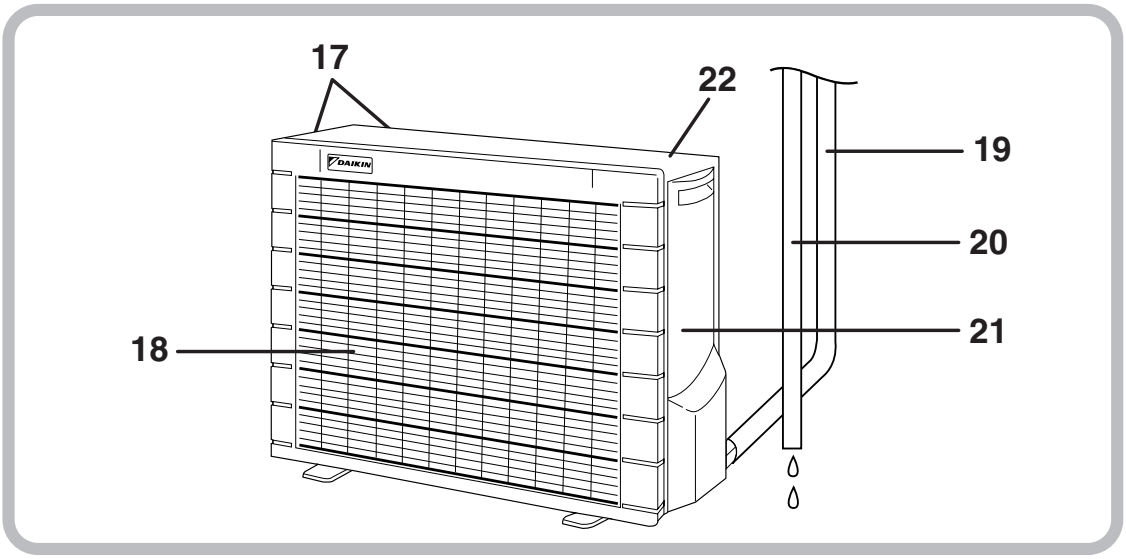
FTXE 25/35 B

Names of parts

■ Indoor Unit



■ Outdoor Unit



■ Indoor Unit

1. **Air filter**
2. **Photocatalytic deodorizing filter or Air purifying filter:**
   - These filters are attached to the inside of the air filters.
3. **Air inlet**
4. **Front grille**
5. **Grille tab**
6. **Room temperature sensor:**
   - It senses the air temperature around the unit.
7. **INTELLIGENT EYE sensor:**
   - It detects the movements of people and automatically switches between normal operation and energy saving operation.
8. **Display**
9. **Air outlet**
10. **Flaps (horizontal blades)**
11. **Louvres (vertical blades):**
    - The louvres are inside of the air outlet.
12. **Indoor Unit ON/OFF switch:**
    - Push this switch once to start operation. Push once again to stop it.
    - The operation mode refers to the following table.

	Mode	Temperature setting	Air flow rate
FTKE	COOL	22°C	AUTO
FTXE	AUTO	25°C	AUTO

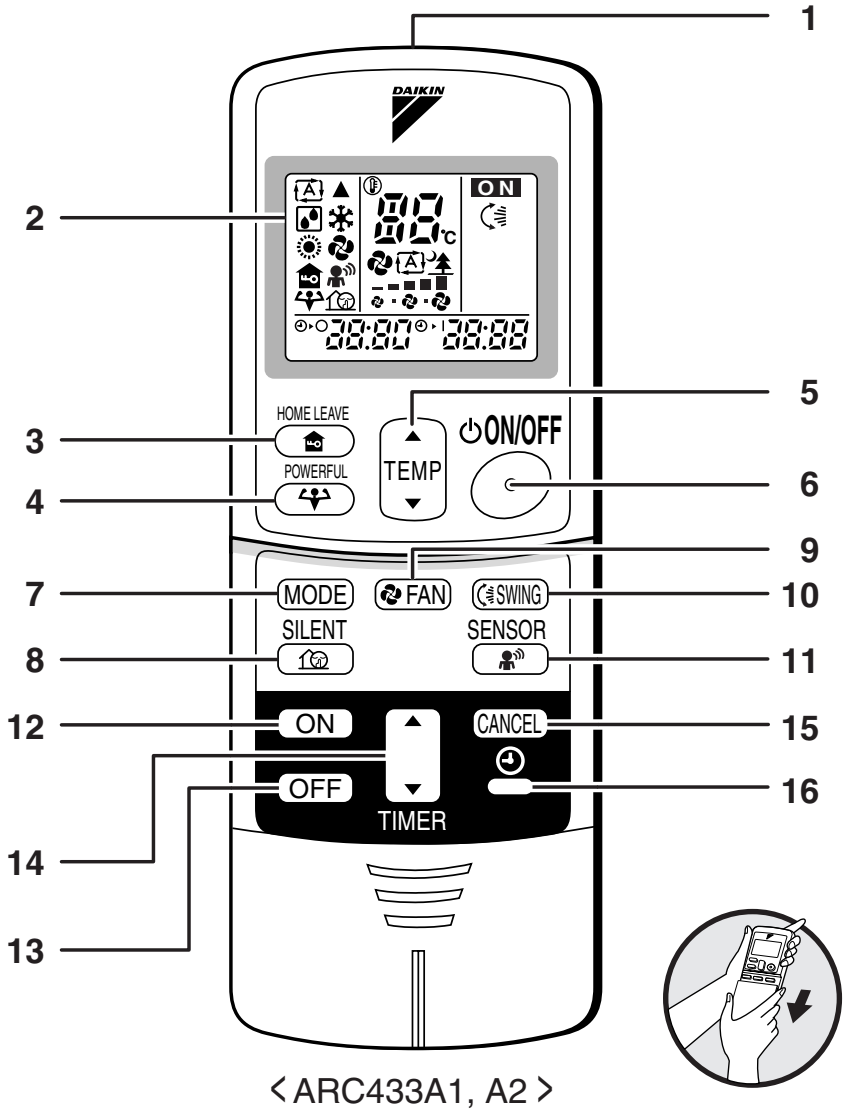
    - This switch is useful when the remote controller is missing.
13. **Operation lamp (green)**
14. **TIMER lamp (Yellow)**
15. **HOME LEAVE lamp (red)**
16. **Signal receiver:**
    - It receives signals from the remote controller.
    - When the unit receives a signal, you will hear a short beep.
      - Operation start .....beep-beep
      - Settings changed.....beep
      - Operation stop .....beeeeep

■ Outdoor Unit

17. **Air inlet:** (Back and side)
18. **Air outlet**
19. **Refrigerant piping and inter-unit cable**
20. **Drain hose**
21. **Earth terminal:**
    - It is inside of this cover.
22. **Outside air temperature sensor:**
    - It senses the ambient temperature around the unit.

Appearance of the outdoor unit may differ from some models.

■ Remote Controller



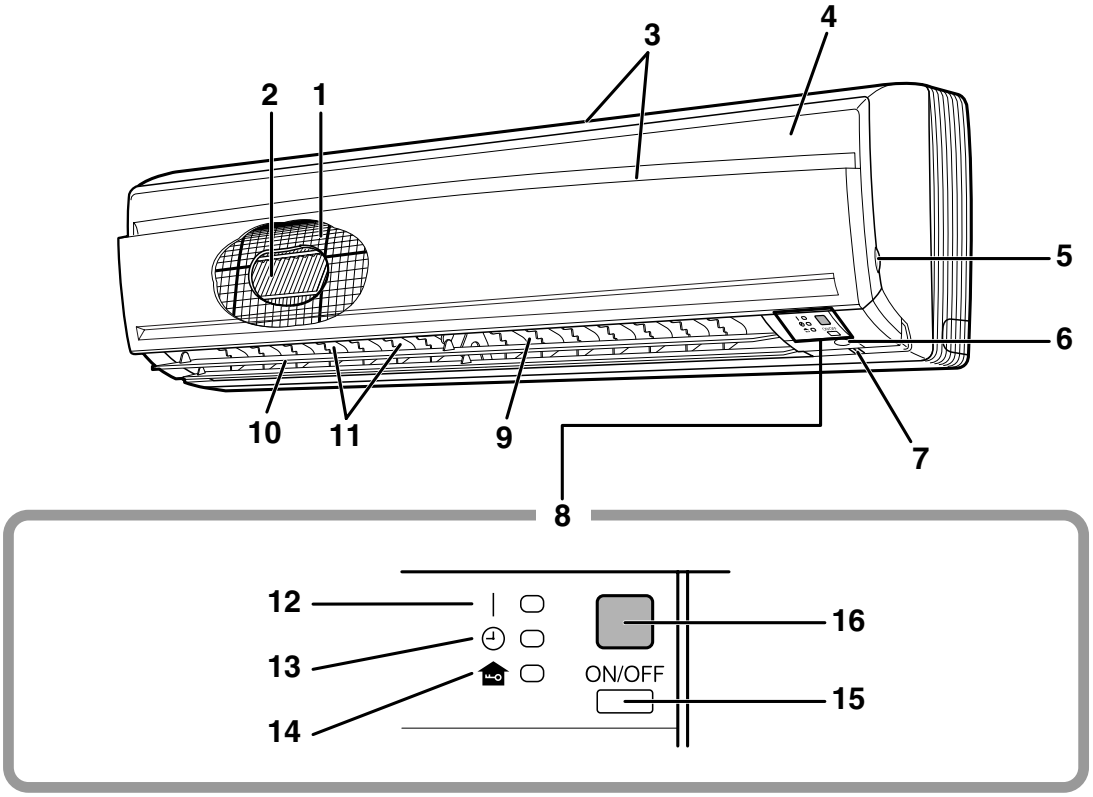
<ARC433A1, A2>

1. **Signal transmitter:**
   - It sends signals to the indoor unit.
2. **Display:**
   - It displays the current settings.
     (In this illustration, each section is shown with all its displays ON for the purpose of explanation.)
3. **HOME LEAVE button:**
   for HOME LEAVE operation
4. **POWERFUL button:**
   for POWERFUL operation
5. **TEMPERATURE adjustment buttons:**
   - It changes the temperature setting.
6. **ON/OFF button:**
   - Press this button once to start operation. Press once again to stop it.
7. **MODE selector button:**
   - It selects the operation mode.
   (AUTO/DRY/COOL/HEAT/FAN)
8. **SILENT button:** for OUTDOOR UNIT SILENT operation
   - Only works for multi-connection
9. **FAN setting button:**
   - It selects the air flow rate setting.
10. **SWING button**
11. **SENSOR button:** for INTELLIGENT EYE operation
12. **ON TIMER button**
13. **OFF TIMER button**
14. **TIMER Setting button:**
    - It changes the time setting.
15. **TIMER CANCEL button:**
    - It cancels the timer setting.
16. **CLOCK button**

FTK(X)D 50/60/71 F

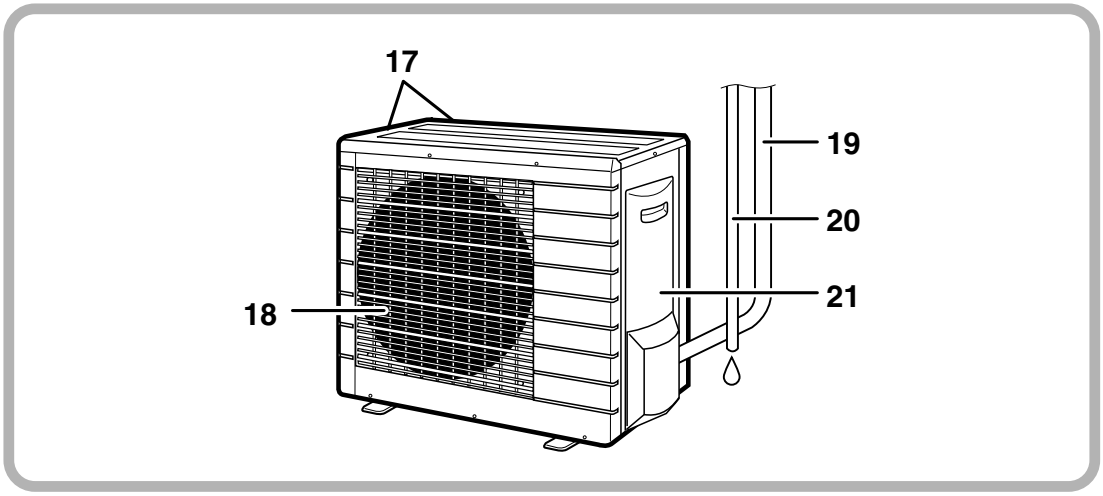
Names of parts

■ Indoor Unit



5

■ Outdoor Unit



■ Indoor Unit

1. **Air filter**
2. **Titanium Apatite Photocatalytic Air-Purifying Filter**
3. **Air inlet**
4. **Front panel**
5. **Panel tab**
6. **INTELLIGENT EYE sensor:**
   - It detects the movements of people and automatically switches between normal operation and energy saving operation.
7. **Room temperature sensor:**
   - It senses the air temperature around the unit.
8. **Display**
9. **Air outlet**
10. **Flap (horizontal blade)**
11. **Louvers (vertical blades):**
    - The Louvers are inside of the air outlet.
12. **Operation lamp (green)**
13. **TIMER lamp (yellow)**
14. **HOME LEAVE lamp (red):**
    - Lights up when you use HOME LEAVE Operation.
15. **Indoor Unit ON/OFF switch:**
    - Push this switch once to start operation. Push once again to stop it.
    - The operation mode refer to the following table.

	Mode	Temperature setting	Air flow rate
FTKD	COOL	22°C	AUTO
FTXD	AUTO	25°C	AUTO

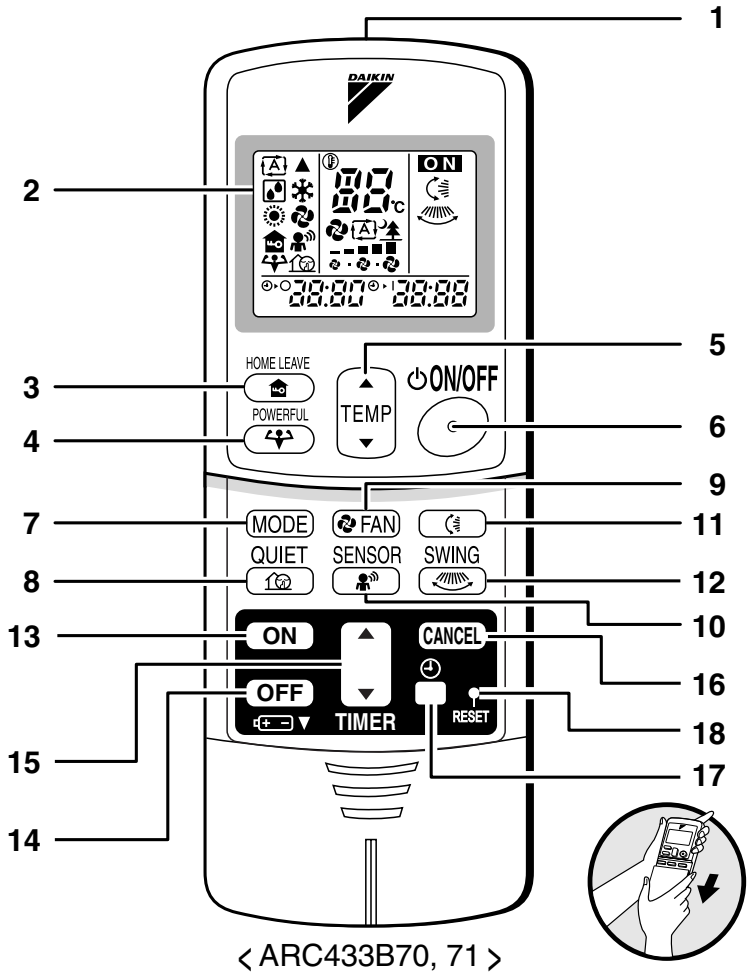
    - This switch is useful when the remote controller is missing.
16. **Signal receiver:**
    - It receives signals from the remote controller.
    - When the unit receives a signal, you will hear a short beep.
      - Operation start .....beep-beep
      - Settings changed.....beep
      - Operation stop .....beeeeep

■ Outdoor Unit

17. **Air inlet:** (Back and side)
18. **Air outlet**
19. **Refrigerant piping and inter-unit cable**
20. **Drain hose**
21. **Earth terminal:**
    - It is inside of this cover.

Appearance of the outdoor unit may differ from some models.

■ Remote Controller



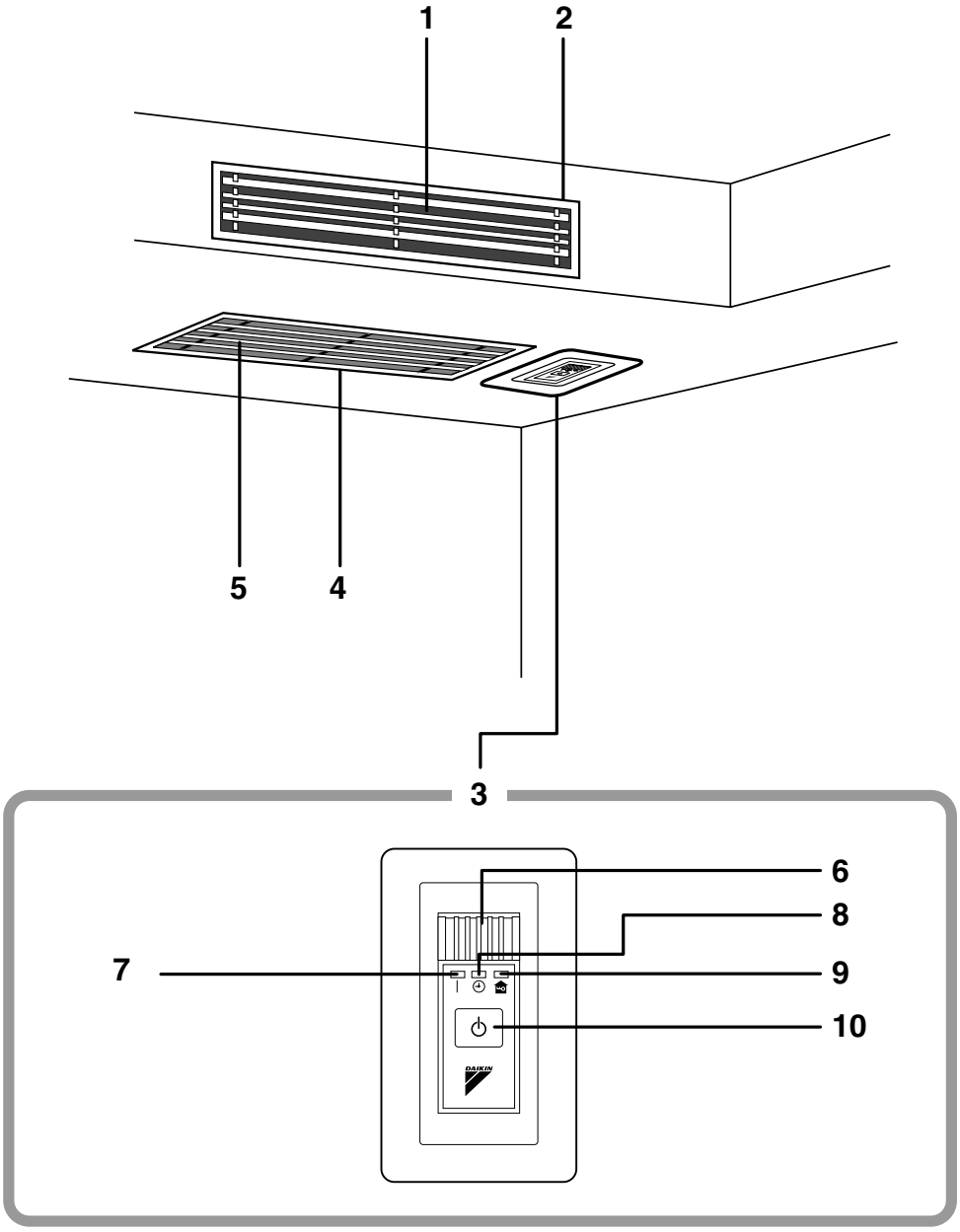
< ARC433B70, 71 >

1. **Signal transmitter:**
   - It sends signals to the indoor unit.
2. **Display:**
   - It displays the current settings.
     (In this illustration, each section is shown with all its displays ON for the purpose of explanation.)
3. **HOME LEAVE button:**
   HOME LEAVE operation
4. **POWERFUL button:**
   POWERFUL operation
5. **TEMPERATURE adjustment buttons:**
   - It changes the temperature setting.
6. **ON/OFF button:**
   - Press this button once to start operation. Press once again to stop it.
7. **MODE selector button:**
   - It selects the operation mode. (AUTO/DRY/COOL/HEAT/FAN)
8. **QUIET button:** OUTDOOR UNIT QUIET operation
9. **FAN setting button:**
   - It selects the air flow rate setting.
10. **SENSOR button:** INTELLIGENT EYE operation
11. **SWING button:**
    - Flap (Horizontal blade)
12. **SWING button:**
    - Louver (Vertical blades)
13. **ON TIMER button**
14. **OFF TIMER button**
15. **TIMER Setting button:**
    - It changes the time setting.
16. **TIMER CANCEL button:**
    - It cancels the timer setting.
17. **CLOCK button**
18. **RESET button:**
    - Restart the unit if it freezes.
    - Use a thin object to push.

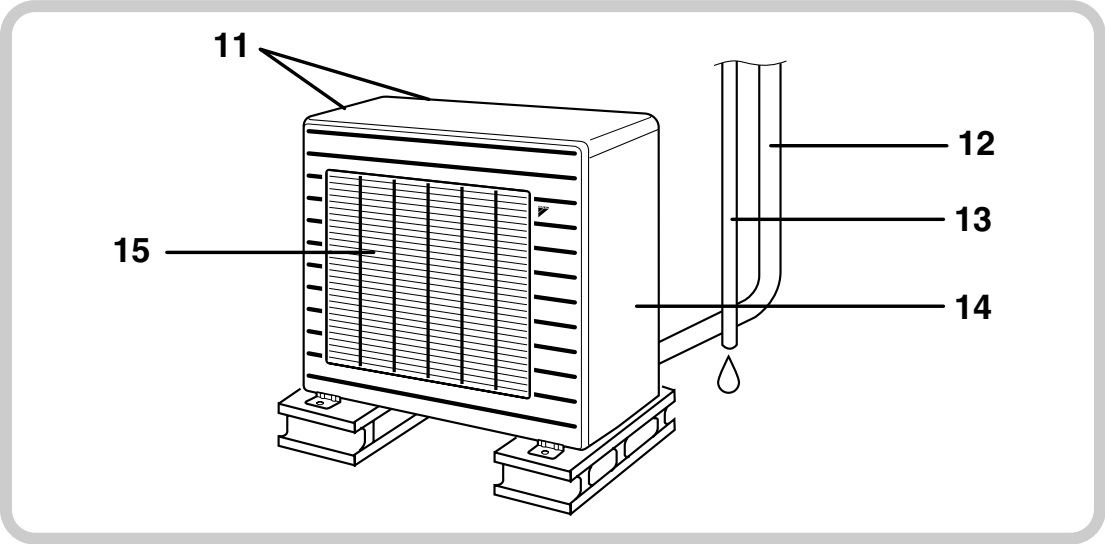
CDK(X)D 25/35/50/60 C, CDK(X)D 25/35 E

Names of parts

■ Indoor Unit



■ Outdoor Unit



■ Indoor Unit

1. **Air outlet**
2. **Air outlet grille** (Field supply)
   - Appearance of the Air outlet grille and Air inlet grille may differ with some models.
3. **Display, Control panel**
4. **Suction grille** (Option)
   - Appearance of the suction grille and Air inlet grille may differ with some models.
5. **Air inlet**
6. **Room temperature sensor:**
   - It senses the air temperature around the unit.
7. **Operation lamp (green)**
8. **TIMER lamp (yellow)**
9. **HOME LEAVE lamp (red)**
   - LIghts up when you use HOME LEAVE operation.
10. **Indoor Unit ON/OFF switch**
    - Push this switch once to start operation. Push once again to stop it.
    - This switch is useful when the remote controller is missing.

- **The operation mode refers to the following table.**

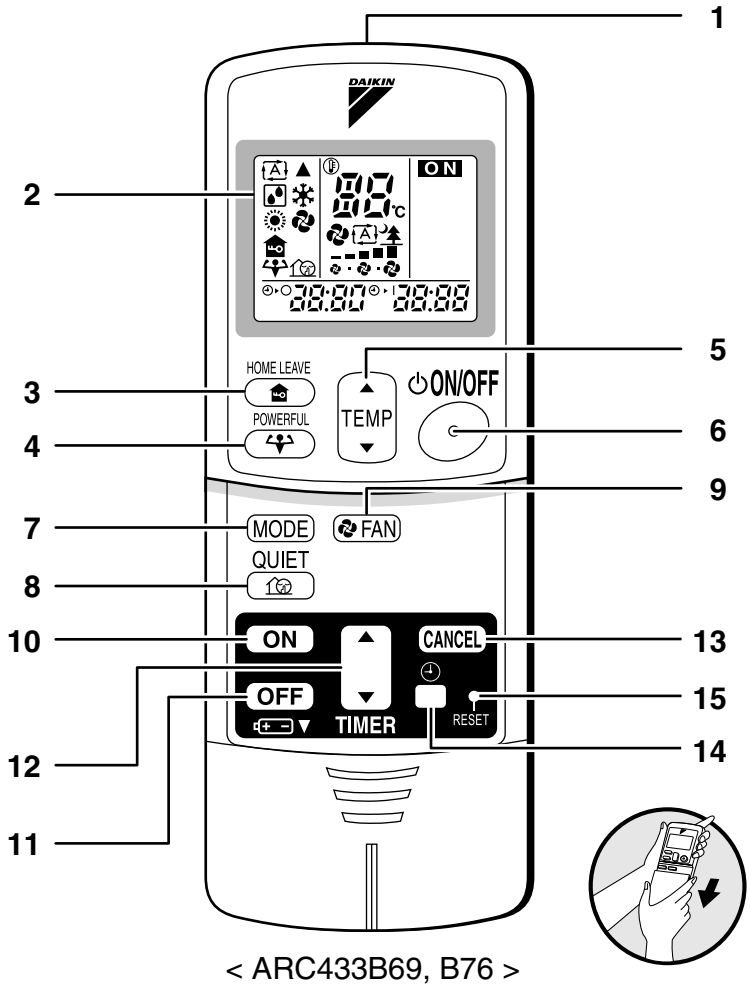
	Mode	Temperature setting	Air flow rate
CDKD	COOL	22°C	AUTO
CDXD	AUTO	25°C	AUTO

■ Outdoor Unit

11. **Air inlet:** (Back and side)
12. **Refrigerant piping and inter-unit cable**
13. **Drain hose**
14. **Earth terminal:**
    - It is inside of this cover.
15. **Air outlet**

Appearance of the outdoor unit may differ from some models.

■ Remote Controller



< ARC433B69, B76 >

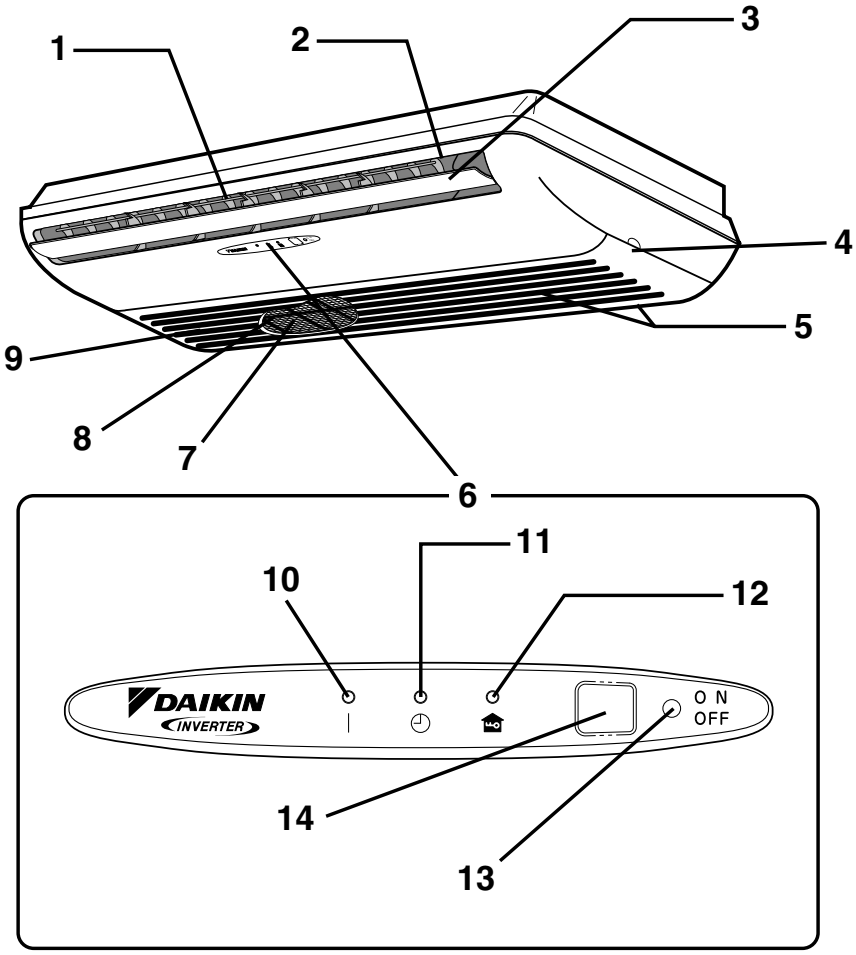
1. **Signal transmitter:**
   - It sends signals to the indoor unit.
2. **Display:**
   - It displays the current settings. (In this illustration, each section is shown with all its displays ON for the purpose of explanation.)
3. **HOME LEAVE button:** HOME LEAVE operation
4. **POWERFUL button:** POWERFUL operation
5. **TEMPERATURE adjustment buttons:**
   - It changes the temperature setting.
6. **ON/OFF button:**
   - Press this button once to start operation. Press once again to stop it.
7. **MODE selector button:**
   - It selects the operation mode. (AUTO/DRY/COOL/HEAT/FAN)
8. **QUIET button:** OUTDOOR UNIT QUIET operation
9. **FAN setting button:**
   - It selects the air flow rate setting.
10. **ON TIMER button:**
11. **OFF TIMER button:**
12. **TIMER Setting button:**
    - It changes the time setting.
13. **TIMER CANCEL button:**
    - It cancels the timer setting.
14. **CLOCK button**
15. **RESET button:**
    - Restart the unit if it freezes.
    - Use a thin object to push.

FLK(X) 25/35/50/60 A

Names of parts

■ Indoor Unit

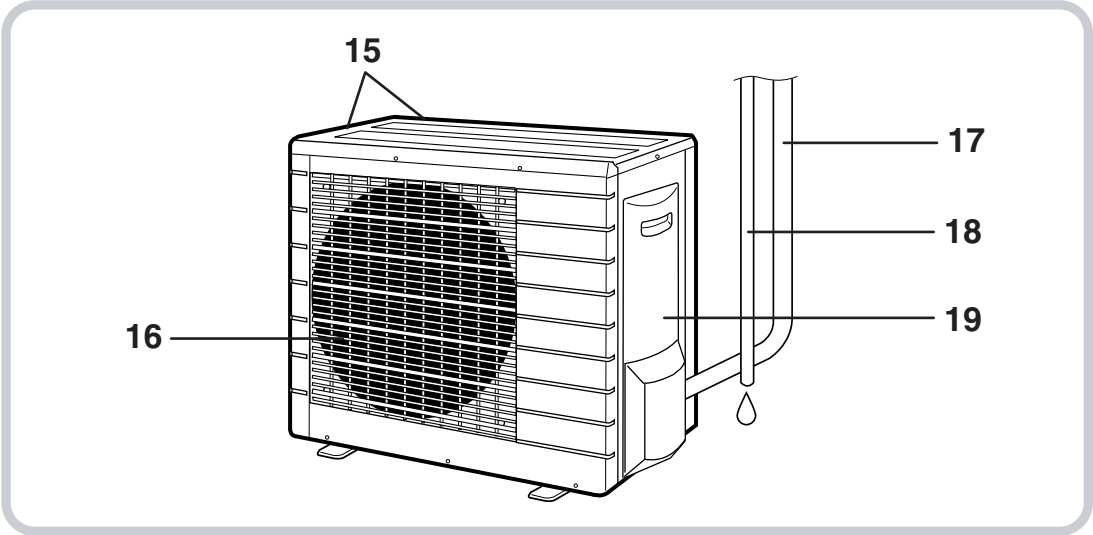
The indoor unit can be installed either to the ceiling or to a wall. The descriptions contained in this manual show the case when installation is being carried out to the ceiling. (The methods of operation used are the same when installing to a wall.)



⚠ CAUTION

- Before opening the front grille, be sure to stop the operation and turn the breaker OFF.

■ Outdoor Unit



■ Indoor Unit

1. **Louvres (vertical blades)**
   The louvres are inside of the air outlet.
2. **Air outlet**
3. **Flap (horizontal blade)**
4. **Grille tab**
5. **Air inlet**
6. **Display**
7. **Air filter**
8. **Photocatalytic deodorizing filter or Air purifying filter:**
   - These filters are attached to the inside of the air filters.
9. **Front grille**
10. **Operation lamp (green)**
11. **TIMER lamp (orange)**
12. **HOME LEAVE lamp (red):**
    Lights up when you use HOME LEAVE Operation.
13. **Indoor unit ON/OFF switch**
    - Push this switch once to start operation. Push once again to stop it.
    - Push the switch using an object with a sharp tip, such as a pen.
    - This switch is useful when the remote controller is missing.
14. **Signal receiver:**
    - It receives signals from the remote controller.
    - When the unit receives a signal, you will hear a short beep.
      - Operation start .....beep-beep
      - Settings changed.....beep
      - Operation stop .....beeeeep

- **The operation mode refers to the following table.**

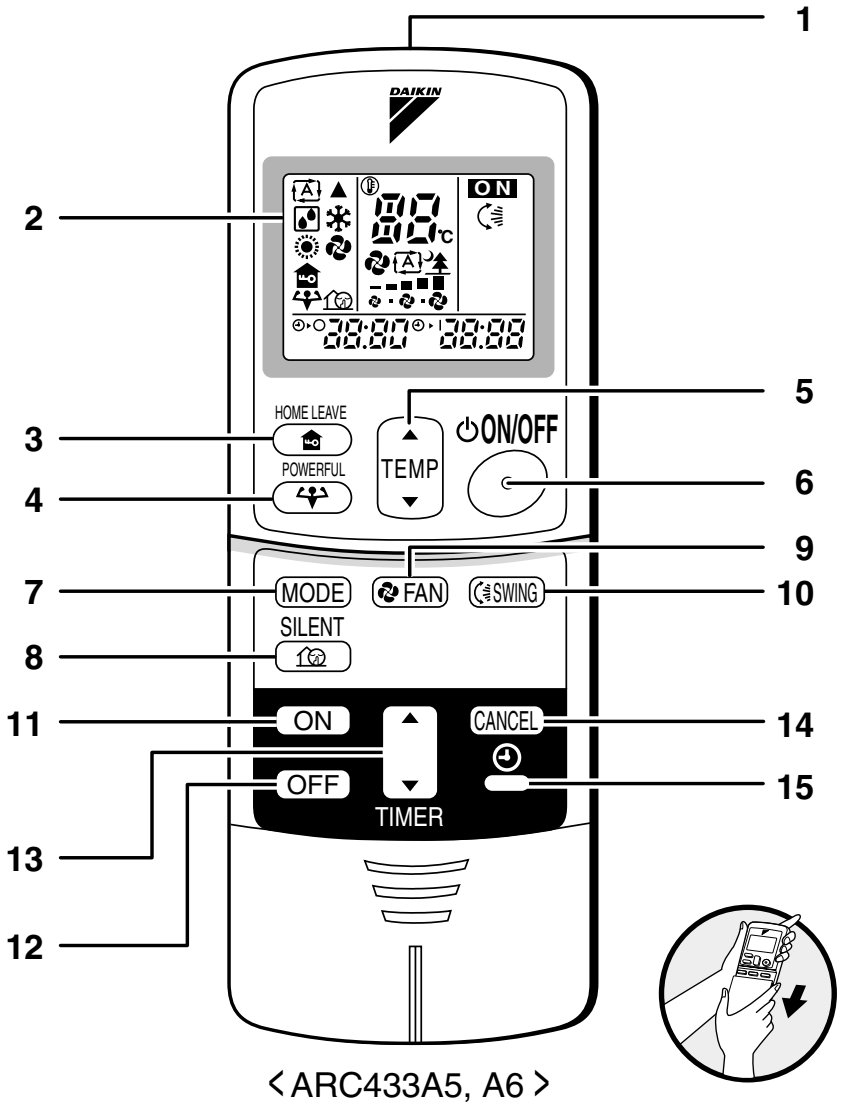
	Mode	Temperature setting	Air flow rate
FLK	COOL	22°C	AUTO
FLX	AUTO	25°C	AUTO

■ Outdoor Unit

15. **Air inlet:** (Back and side)
16. **Air outlet**
17. **Refrigerant piping and inter-unit cable**
18. **Drain hose**
19. **Earth terminal:**
    - It is inside of this cover.

Appearance of the outdoor unit may differ from some models.

■ Remote Controller



<ARC433A5, A6>

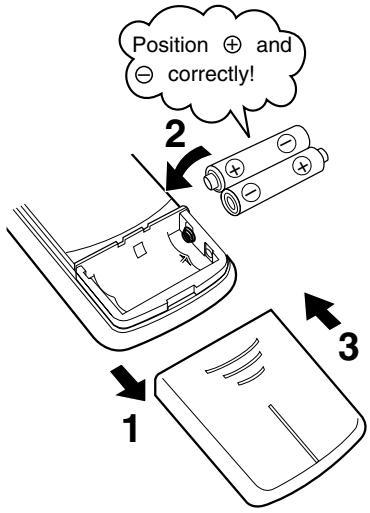
1. **Signal Transmitter:**
   - It sends signals to the indoor unit.
2. **Display:**
   - It displays the current settings.
     (In this illustration, each section is shown with all its displays ON for the purpose of explanation.)
3. **HOME LEAVE button:**
   for HOME LEAVE operation
4. **POWERFUL button:**
   for POWERFUL operation
5. **TEMPERATURE adjustment buttons:**
   - It changes the temperature setting.
6. **ON/OFF button:**
   - Press this button once to start operation. Press once again to stop it.
7. **MODE selector button:**
   - It selects the operation mode. (AUTO/DRY/COOL/HEAT/FAN)
8. **OUTDOOR UNIT SILENT button**
9. **FAN setting button:**
   - It selects the air flow rate setting.
10. **SWING button**
11. **ON TIMER button**
12. **OFF TIMER button**
13. **TIMER Setting button:**
    - It changes the time setting.
14. **TIMER CANCEL button:**
    - It cancels the timer setting.
15. **CLOCK button**

1.4 Preparation before Operation

Preparation Before Operation

■ To set the batteries

1. **Slide the front cover to take it off.**
2. **Set two dry batteries (AAA).**
3. **Set the front cover as before.**



ATTENTION

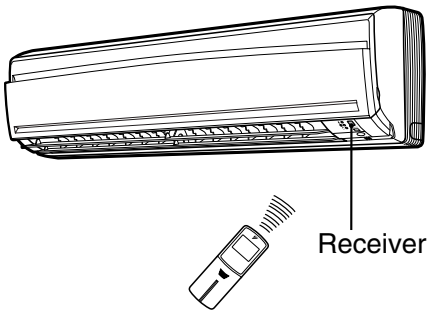
■ **About batteries**

- When replacing the batteries, use batteries of the same type, and replace the two old batteries together.
- When the system is not used for a long time, take the batteries out.
- We recommend replacing once a year, although if the remote controller display begins to fade or if reception deteriorates, please replace with new alkali batteries. Using manganese batteries reduces the lifespan.
- The attached batteries are provided for the initial use of the system.
  The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

Preparation Before Operation

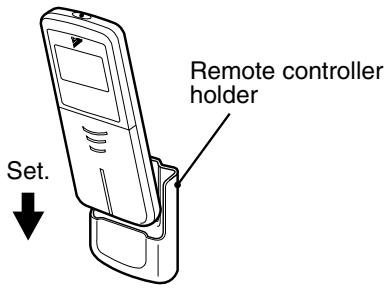
■ To operate the remote controller

- To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is about 7m.



■ To fix the remote controller holder on the wall

1. **Choose a place from where the signals reach the unit.**
2. **Fix the holder to a wall, a pillar, or similar location with the screws procured locally.**
3. **Place the remote controller in the remote controller holder.**



- To remove, pull it upwards.

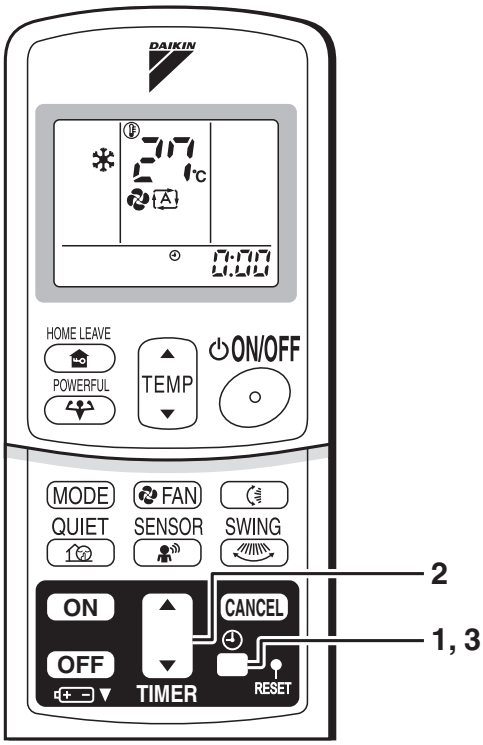
5

ATTENTION

■ **About remote controller**

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance to somewhere else, or consult the shop.

■ To set the clock



1. **Press "CLOCK button".**

   0:00 is displayed.

   blinks.

2. **Press "TIMER setting button" to set the clock to the present time.**

   Holding down "▲" or "▼" button rapidly increases or decreases the time display.

3. **Press "CLOCK button".**

   : blinks.

■ Turn the breaker ON

- Turning ON the breaker opens the flap, then closes it again. (This is a normal procedure.)

NOTE

■ Tips for saving energy

- Be careful not to cool (heat) the room too much.
  Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain.
  Blocking sunlight and air from outdoors increases the cooling (heating) effect.
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every two weeks.

Recommended temperature setting
For cooling:26°C – 28°C For heating:20°C – 24°C

■ Please note

- The air conditioner always consumes 15-35 watts of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker OFF.
- Use the air conditioner in the following conditions.

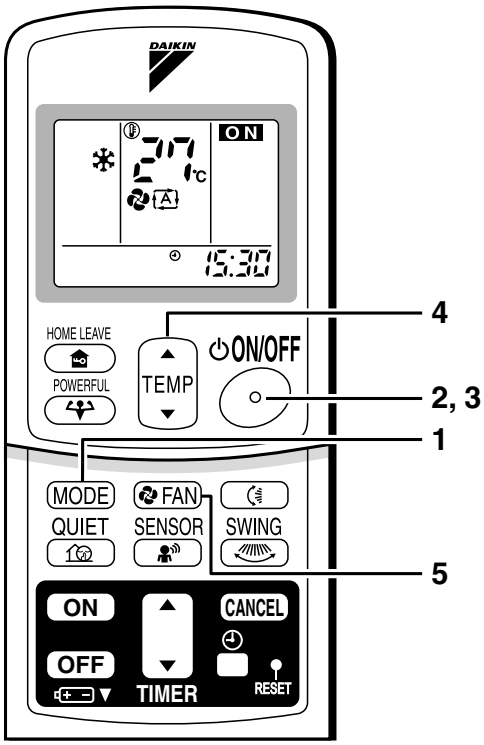
Mode	Operating conditions	If operation is continued out of this range
COOL	Outdoor temperature: <2/3/4MKD> 10 to 46˚C <3/4MXD> –10 to 46˚C <RK(X)D> –5 to 46˚C Indoor temperature: 18 to 32˚C Indoor humidity: 80% max.	• A safety device may work to stop the operation. (In multi system, it may work to stop the operation of the outdoor unit only.) • Condensation may occur on the indoor unit and drip.
HEAT	Outdoor temperature: <3/4MXD> –15 to 15.5˚C <RXD> –15 to 18˚C Indoor temperature: 10 to 30˚C	• A safety device may work to stop the operation.
DRY	Outdoor temperature: <2/3/4MKD> 10 to 46˚C <3/4MXD> –10 to 46˚C <RK(X)D> –5 to 46˚C Indoor temperature: 18 to 32˚C Indoor humidity: 80% max.	• A safety device may work to stop the operation. • Condensation may occur on the indoor unit and drip.

- Operation outside this humidity or temperature range may cause a safety device to disable the system .

1.5 AUTO · DRY · COOL · HEAT · FAN Operation

AUTO · DRY · COOL · HEAT · FAN Operation

The air conditioner operates with the operation mode of your choice.
From the next time on, the air conditioner will operate with the same operation mode.



■ To start operation

1. Press "MODE selector button" and select a operation mode.

- Each pressing of the button advances the mode setting in sequence.

: AUTO

: DRY

: COOL

: HEAT

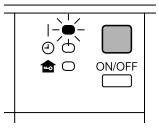
: FAN

<FTKD> → → → →

<FTXD> → → → → → →

2. Press "ON/OFF button".

- The OPERATION lamp lights up.



■ To stop operation

3. Press "ON/OFF button" again.

- Then OPERATION lamp goes off.

■ To change the temperature setting

4. Press "TEMPERATURE adjustment button".

DRY or FAN mode	AUTO or COOL or HEAT mode
The temperature setting is not variable.	Press "▲" to raise the temperature and press "▼" to lower the temperature.
	Set to the temperature you like. 27 °C

5

■ To change the air flow rate setting

5. Press “FAN setting button”.

DRY mode	AUTO or HEAT or COOL or FAN mode
The air flow rate setting is not variable.	Five levels of air flow rate setting from “ ” to “ ” plus “ ” “ ” are available.

- Indoor unit quiet operation

  When the air flow is set to “ ”, the noise from the indoor unit will become quieter. Use this when making the noise quieter.

  The unit might lose capacity when the air flow rate is set to a weak level.

NOTE

■ **Note on HEAT operation**
- Since this air conditioner heats the room by taking heat from outdoor air to indoors, the heating capacity becomes smaller in lower outdoor temperatures. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner.
- The heat pump system heats the room by circulating hot air around all parts of the room. After the start of heating operation, it takes some time before the room gets warmer.
- In heating operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to take away the frost.
- During defrosting operation, hot air does not flow out of indoor unit.

■ **Note on COOL operation**
- This air conditioner cools the room by blowing the hot air in the room outside, so if the outside temperature is high, performance drops.

■ **Note on DRY operation**
- The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and fan strength, so manual adjustment of these functions is unavailable.

■ **Note on AUTO operation**
- In AUTO operation, the system selects a temperature setting and an appropriate operation mode (COOL or HEAT) based on the room temperature at the start of the operation.
- The system automatically reselects setting at a regular interval to bring the room temperature to user-setting level.
- If you do not like AUTO operation, you can manually select the operation mode and setting you like.

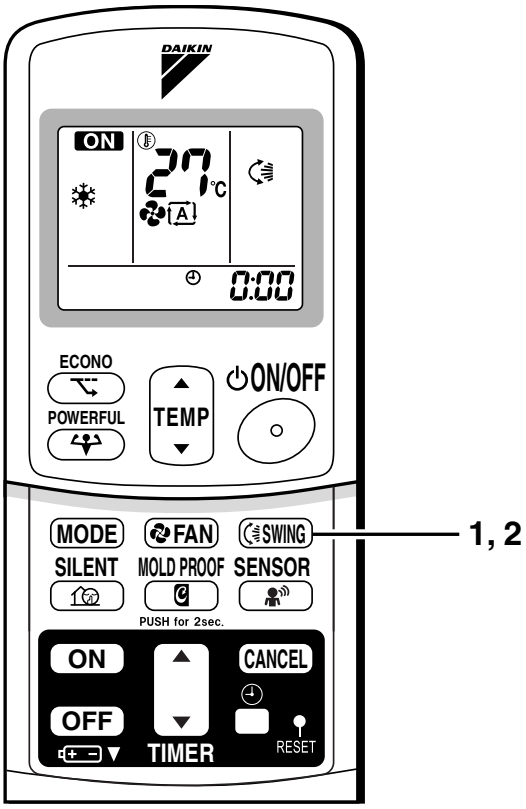
■ **Note on air flow rate setting**
- At smaller air flow rates, the cooling (heating) effect is also smaller.

1.6 Adjusting the Air Flow Direction

FTKD 25/35 D

Adjusting the Air Flow Direction

You can adjust the air flow direction to increase your comfort.



■ To adjust the horizontal blades (flaps)

1. **Press “SWING button”.**

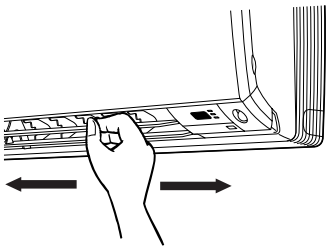
   is displayed on the LCD and the flaps will begin to swing.

2. **When the flaps have reached the desired position, press “SWING button” once more.**

   The display will go blank.
   The flaps will stop moving.

5

■ To adjust the vertical blades (louvers)

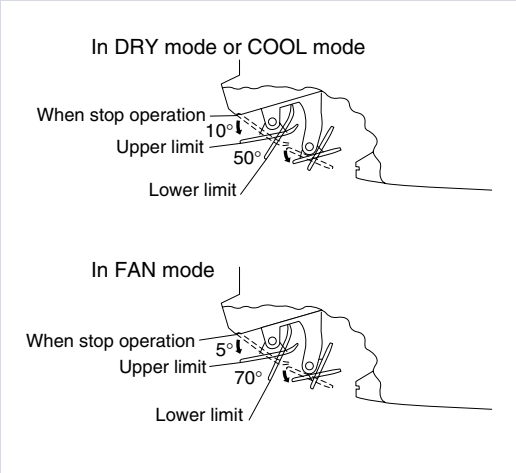


Hold the knob and move the louvers.
(You will find a knob on the left-side and the right-side blades.)

- When the unit is installed in the corner of a room, the direction of the louvers should be facing away from the wall.
  If they face the wall, the wall will block off the wind, causing the cooling efficiency to drop.

Notes on flaps and louvers angles

- When **"SWING button"** is selected, the flaps swinging range depends on the operation mode. (See the figure.)
- If the unit is operated after being stopped with the flaps pointed down in cooling or dry operation, the flaps will automatically move to a horizontal position after about one hour to prevent condensation from forming on them.



■ **ATTENTION**

- Always use a remote controller to adjust the flaps angle. If you attempt to move it forcibly with hand when it is swinging, the mechanism may be broken.
- Be careful when adjusting the louvers. Inside the air outlet, a fan is rotating at a high speed.

FTXE 25/35 B

Adjusting the Air Flow Direction

You can adjust the air flow direction to increase your comfort.

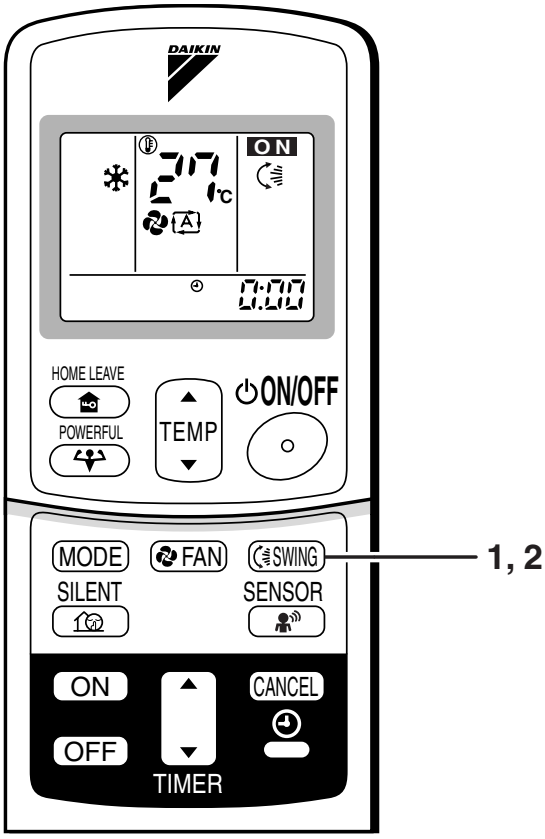
■ To adjust the horizontal blades (flaps)

1. **Press “SWING button”.**

   The display will light up and the flaps will begin to swing.

2. **When the flaps have reached the desired position, press “SWING button” once more.**

   The display will go blank.
   The flaps will stop moving.



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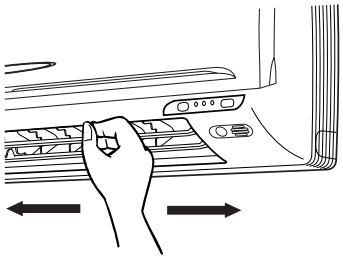
■ To adjust the vertical blades (louvres)

Hold the knob and move the louvres.
(You will find a knob on the left-side and the right-side blades.)

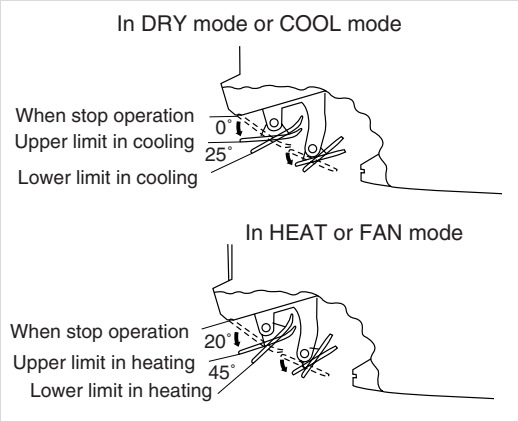


Notes on flaps and louvres angles

- When " **SWING button** " is selected, the flaps swinging range depends on the operation mode. (See the figure.)

■ **ATTENTION**

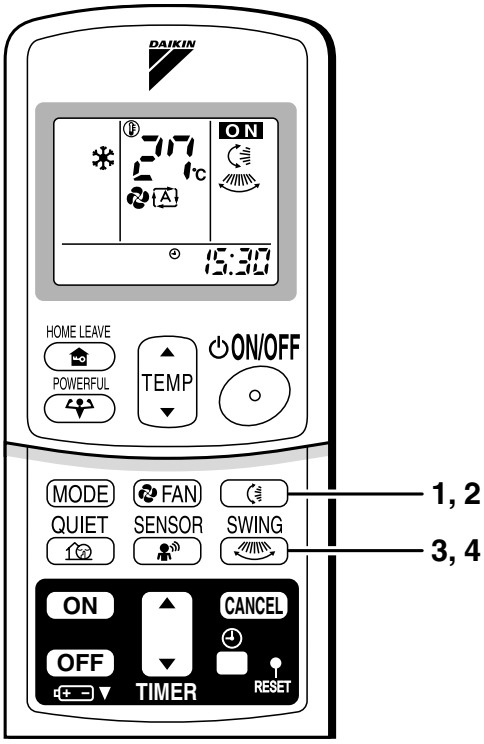
- Always use a remote controller to adjust the flaps angle. If you attempt to move it forcibly with hand when it is swinging, the mechanism may be broken.
- Be careful when adjusting the louvres. Inside the air outlet, a fan is rotating at a high speed.



FTK(X)D 50/60/71 F

Adjusting the Air Flow Direction

You can adjust the air flow direction to increase your comfort.



■ To adjust the horizontal blade (flap)

1. **Press "SWING button ".**
   - " " is displayed on the LCD and the flaps will begin to swing.
2. **When the flap has reached the desired position, press "SWING button " once more.**
   - The flap will stop moving.
   - " " disappears from the LCD.

■ To adjust the vertical blades (louvers)

3. **Press "SWING button ".**
   - " " is displayed on the LCD.
4. **When the louvers have reached the desired position, press the "SWING button " once more.**
   - The louvers will stop moving.
   - " " disappears from the LCD.

5

■ To 3-D Airflow

1. 3. Press the "SWING button " and the "SWING button ":
the " " and " " display will light up and the flap and louvers will move in turn.

■ To cancel 3-D Airflow

2. 4. Press either the "SWING button " or the "SWING button ".

Notes on louvers angles

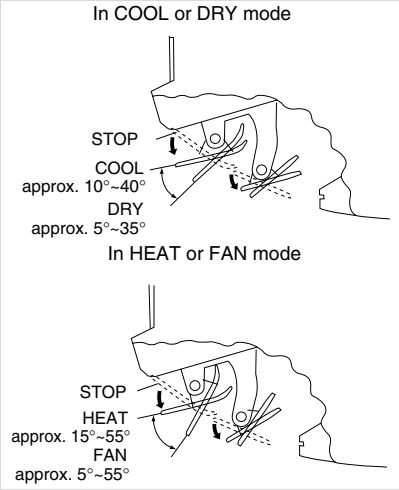
■ **ATTENTION**
- Always use a remote controller to adjust the louvers angles. In side the air outlet, a fan is rotating at a high speed.

Notes on flap angle

- When "**SWING button**" is selected, the flaps swinging range depends on the operation mode. (See the figure.)

Three-Dimensional (3-D) Airflow
- Using three-dimensional airflow circulates cold air, which tends to collected at the bottom of the room, and hot air, which tends to collect near the ceiling, throughout the room, preventing areas of cold and hot developing.

■ **ATTENTION**
- Always use a remote controller to adjust the flaps angle. If you attempt to move it forcibly with hand when it is swinging, the mechanism may be broken.
- Be careful when adjusting the louvers. Inside the air outlet, fan is rotating at a high speed.



FLK(X) 25/35/50/60 A

Adjusting the Air Flow Direction

You can adjust the air flow direction to increase your comfort.

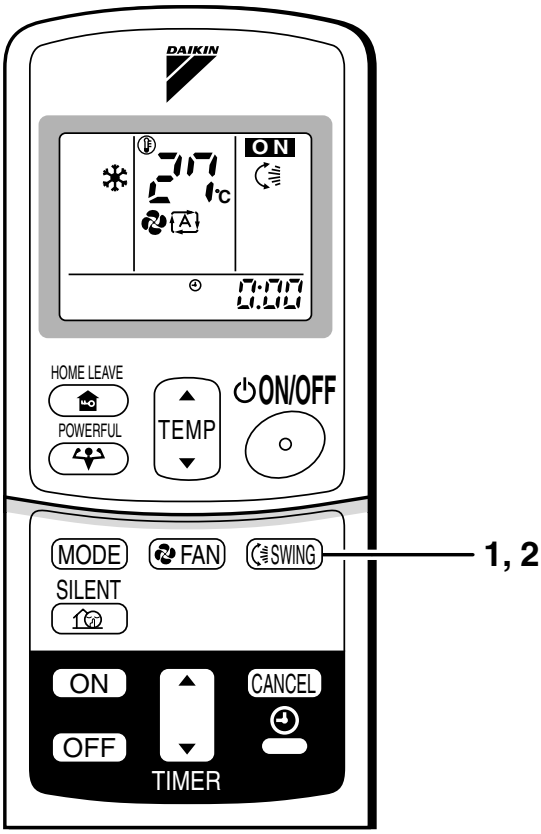
To adjust the horizontal blade (flap)

1. Press “SWING button”.

The display will light up and the flaps will begin to swing.

2. When the flaps have reached the desired position, press “SWING button” once more.

The display will go blank.
The flaps will stop moving.



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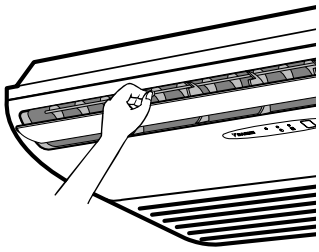
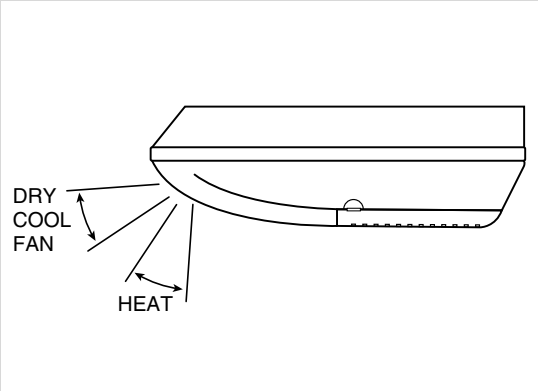
■ To adjust the vertical blades (louvres)



- When adjusting the louvre, use a robust and stable stool and watch your steps carefully.
  Hold the knob and move the louvres.
  (You will find a knob on the left side and the right side blades.)

Notes on flap and louvres angles

- Unless [SWING] is selected, you should set the flap at a near- horizontal angle in COOL or DRY mode to obtain the best performance.
- In COOL or DRY mode, if the flap is fixed at a downward position, the flap automatically moves in about 60 minutes to prevent condensation on it.



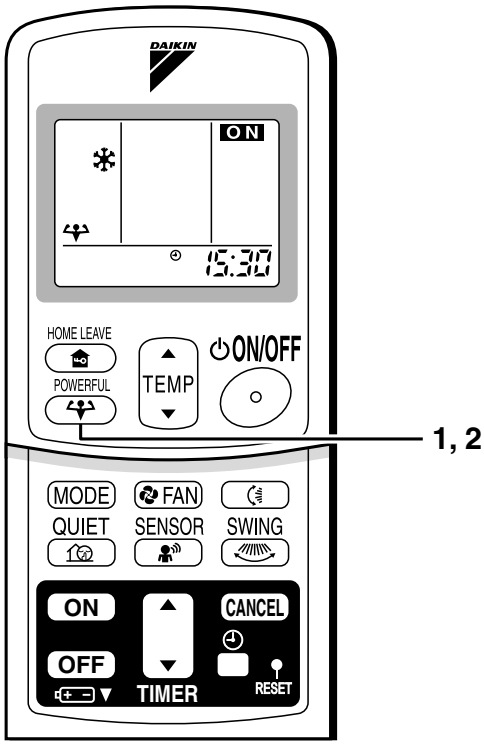
■ **ATTENTION**

- Always use a remote controller to adjust the flap angle.
  If you attempt to move it forcibly with hand when it is swinging, the mechanism may be broken.
- Be careful when adjusting the louvres. Inside the air outlet, a fan is rotating at a high speed.

1.7 POWERFUL Operation

POWERFUL Operation

POWERFUL operation quickly maximizes the cooling (heating) effect in any operation mode. You can get the maximum capacity.



■ To start POWERFUL operation

1. Press "POWERFUL button".

- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the settings which were used before POWERFUL operation.
- When using Powerful operation, there are some functions which are not available.
- "" is displayed on the LCD.

■ To cancel POWERFUL operation

2. Press "POWERFUL button" again.

- "" disappears from the LCD.

5

NOTE

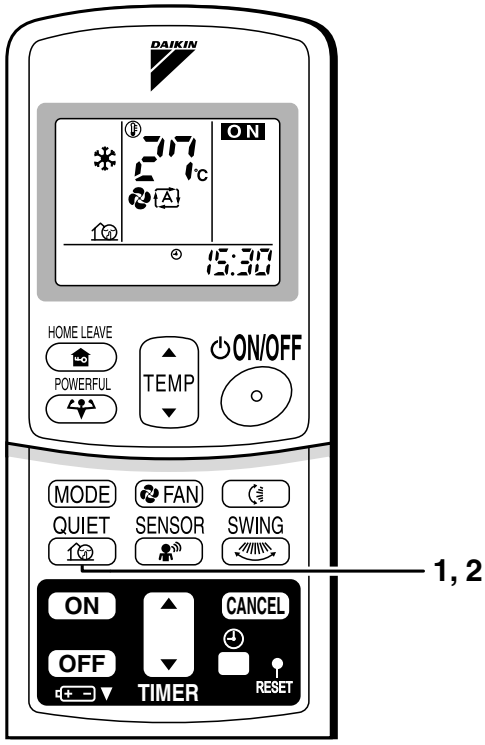
■ **Notes on POWERFUL operation**

- POWERFUL Operation cannot be used together with QUIET Operation. Priority is given to the function of whichever button is pressed last.
- POWERFUL Operation can only be set when the unit is running. Pressing the operation stop button causes the settings to be canceled, and the "" disappears from the LCD.
- **In COOL and HEAT mode**
  To maximize the cooling (heating) effect, the capacity of outdoor unit must be increased and the air flow rate be fixed to the maximum setting.
  The temperature and air flow settings are not variable.
- **In DRY mode**
  The temperature setting is lowered by 2.5°C and the air flow rate is slightly increased.
- **In FAN mode**
  The air flow rate is fixed to the maximum setting.
- **When using priority-room setting**
  See "Note for multi system"

1.8 OUTDOOR UNIT QUIET Operation

OUTDOOR UNIT QUIET Operation

OUTDOOR UNIT QUIET operation lowers the noise level of the outdoor unit by changing the frequency and fan speed on the outdoor unit. This function is convenient during night.



■ To start OUTDOOR UNIT QUIET operation

1. **Press "QUIET button".**
   - "" is displayed on the LCD.

■ To cancel OUTDOOR UNIT QUIET operation

2. **Press "QUIET button" again.**
   - "" disappears from the LCD.

NOTE

■ **Note on OUTDOOR UNIT QUIET operation**

- If using a multi system, this function will work only when the OUTDOOR UNIT QUIET operation is set on all operated indoor units.
  However, if using priority-room setting, see "Note for multi system"
- This function is available in COOL, HEAT, and AUTO modes.
  (This is not available in FAN and DRY mode.)
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time.
  Priority is given to the function of whichever button is pressed last.
- If operation is stopped using the remote controller or the main unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, " " will remain on the remote controller display.

1.9 ECONO Operation

FTKD 25/35 D

ECONO Operation

ECONO operation is a function which enables efficient operation by lowering the maximum power consumption value.

■ To start ECONO operation

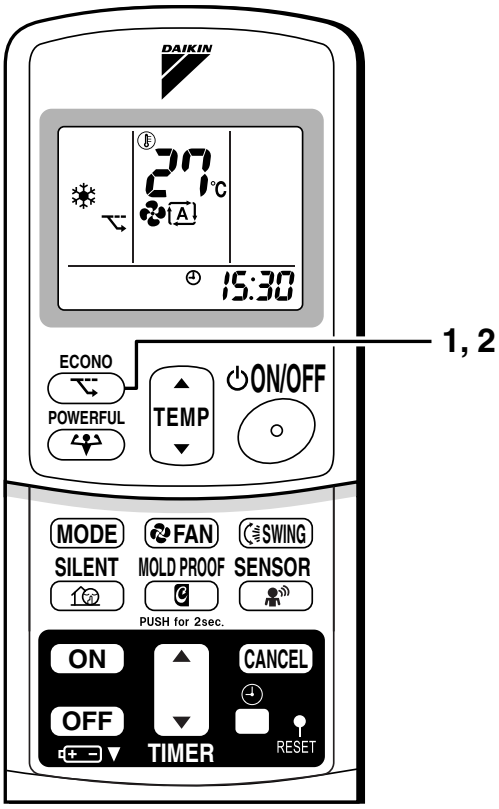
1. Press “ECONO button” .

- “ ” is displayed on the LCD.

■ To cancel ECONO operation

2. Press “ECONO button” again.

- “ ” disappears from the LCD.



5

NOTE

- ECONO Operation can only be set when the unit is running. Pressing the operation stop button causes the settings to be canceled, and the “ ” disappears from the LCD.
- ECONO operation is a function which enables efficient operation by limiting the power consumption of the outdoor unit (operating frequency).
- ECONO operation functions in COOL and DRY modes. The fan strength does not change in ECONO operation.
- POWERFUL operation and ECONO operation cannot be used at the same time. Priority is given to POWERFUL operation.
- Power consumption may not drop even if ECONO operation is used, when the level of power consumption is already low.

1.10 MOLD PROOF Operation

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MOLD PROOF Operation

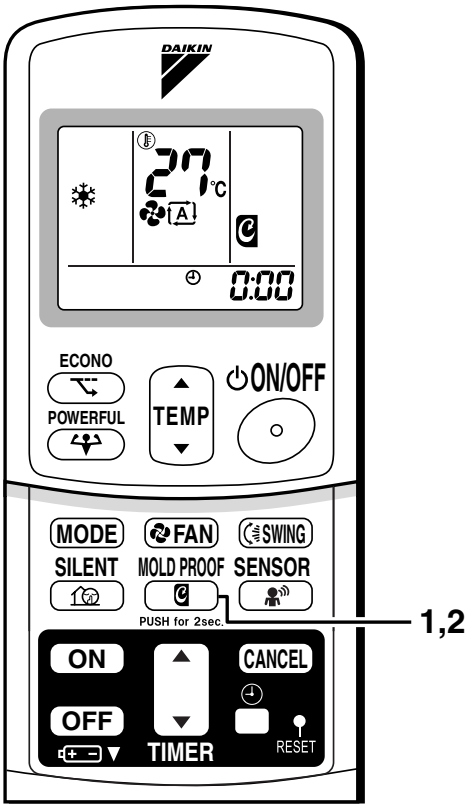
MOLD PROOF operation is a function which reduces the spread of mold by using Fan mode to lower the humidity inside the indoor unit.

■ To set MOLD PROOF operation

1. **Press and hold the MOLD PROOF button for two seconds.**
   - "" is displayed on the LCD.

■ To cancel MOLD PROOF operation

2. **Press and hold the MOLD PROOF button for two seconds one more time.**
   - "" disappears from the LCD.



NOTE

- MOLD PROOF operation will operate for approximately one hour after dry or cooling mode is turned off.
- This function is not designed to remove existing dust or mold.
- MOLD PROOF operation is not available when the unit is turned off using the OFF TIMER.

1.11 HOME LEAVE Operation

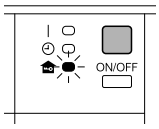
HOME LEAVE Operation

HOME LEAVE operation is a function which allows you to record your preferred temperature and air flow rate settings.

■ To start HOME LEAVE operation

1. Press “HOME LEAVE button”.

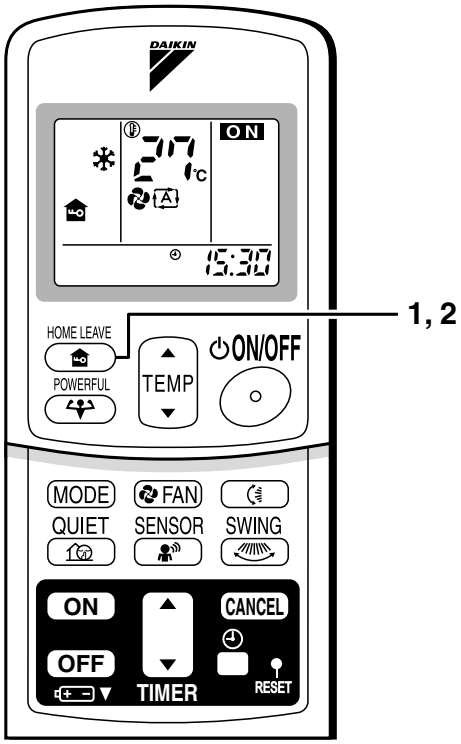
- “ ” is displayed on the LCD.
- The HOME LEAVE lamp lights up.



■ To cancel HOME LEAVE operation

2. Press “HOME LEAVE button” again.

- “ ” disappears from the LCD.
- The HOME LEAVE lamp goes off.



Before using HOME LEAVE operation.

■ **To set the temperature and air flow rate for HOME LEAVE operation**

When using HOME LEAVE operation for the first time, please set the temperature and air flow rate for HOME LEAVE operation. Record your preferred temperature and air flow rate.

	Initial setting		Selectable range	
	temperature	Air flow rate	temperature	Air flow rate
Cooling	25°C	“A”	18-32°C	5 step, “A” and “ ”
Heating	25°C	“A”	10-30°C	5 step, “A” and “ ”

1. **Press “HOME LEAVE button”. Make sure “ ” is displayed in the remote controller display.**
2. **Adjust the set temperature with “ ▲ ” or “ ▼ ” as you like.**
3. **Adjust the air flow rate with “FAN” setting button as you like.**

Home leave operation will run with these settings the next time you use the unit. To change the recorded information, repeat steps 1 – 3.

■ What's the HOME LEAVE operation?

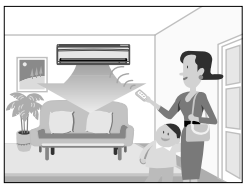
Is there a set temperature and air flow rate which is most comfortable, a set temperature and air flow rate which you use the most? HOME LEAVE operation is a function that allows you to record your favorite set temperature and air flow rate. You can start your favorite operation mode simply by pressing the HOME LEAVE button on the remote controller. This function is convenient in the following situations.

■ Useful in these cases

1.Use as an energy-saving mode.

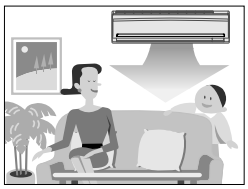
Set the temperature 2-3°C higher (cooling) or lower (heating) than normal. Setting the fan strength to the lowest setting allows the unit to be used in energy-saving mode. Also convenient for use while you are out or sleeping.

- **Every day before you leave the house...**



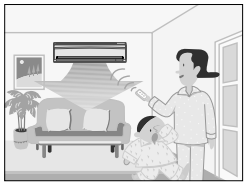
When you go out, push the "HOME LEAVE Operation" button, and the air conditioner will adjust capacity to reach the preset temperature for HOME LEAVE Operation.

When you return, you will be welcomed by a comfortably air conditioned room.

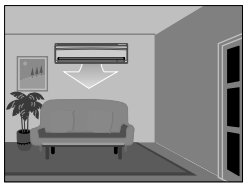


Push the "HOME LEAVE Operation" button again, and the air conditioner will adjust capacity to the set temperature for normal operation.

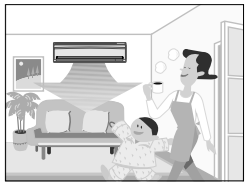
- **Before bed...**



Set the unit to HOME LEAVE Operation before leaving the living room when going to bed.



The unit will maintain the temperature in the room at a comfortable level while you sleep.



When you enter the living room in the morning, the temperature will be just right. Disengaging HOME LEAVE Operation will return the temperature to that set for normal operation. Even the coldest winters will pose no problem!

2.Use as a favorite mode.

Once you record the temperature and air flow rate settings you most often use, you can retrieve them by pressing HOME LEAVE button. You do not have to go through troublesome remote control operations.

NOTE

- Once the temperature and air flow rate for HOME LEAVE operation are set, those settings will be used whenever HOME LEAVE operation is used in the future. To change these settings, please refer to the "Before using HOME LEAVE operation" section above.
- HOME LEAVE operation is only available in COOL and HEAT mode. Cannot be used in AUTO, DRY, and FAN mode.
- HOME LEAVE operation runs in accordance with the previous operation mode (COOL or HEAT) before using HOME LEAVE operation.
- HOME LEAVE operation and POWERFUL operation cannot be used at the same time. Last button that was pressed has priority.
- The operation mode cannot be changed while HOME LEAVE operation is being used.
- When operation is shut off during HOME LEAVE operation, using the remote controller or the indoor unit ON/OFF switch, " 🏠 " will remain on the remote controller display.

1.12 INTELLIGENT EYE Operation

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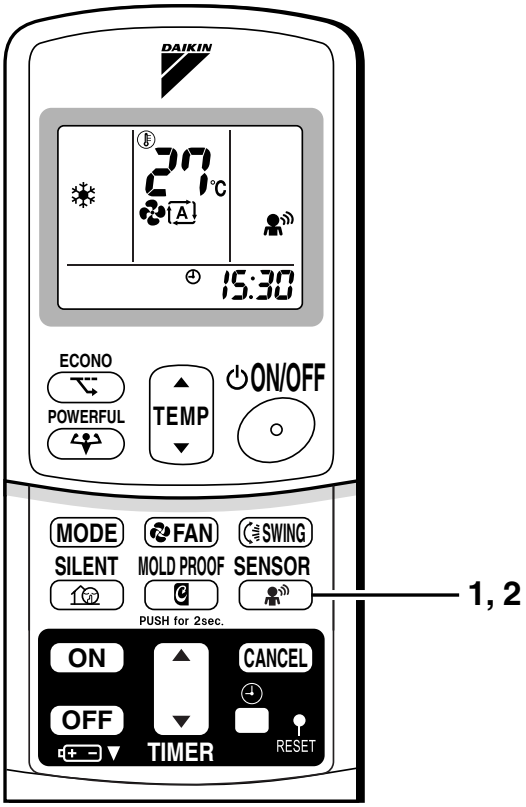
INTELLIGENT EYE Operation

"INTELLIGENT EYE" is the infrared sensor which detects the human movement.



■ To start INTELLIGENT EYE operation

1. Press "SENSOR button".

- " " is displayed on the LCD.

■ To cancel the INTELLIGENT EYE operation

2. Press "SENSOR button" again.

- " " is displayed on the LCD.

[EX.]

When somebody in the room

- **Normal operation.**

⇩

When nobody in the room

- **20 min. after, start energy saving operation.**

⇩

Somebody back in the room

- **Back to normal operation.**

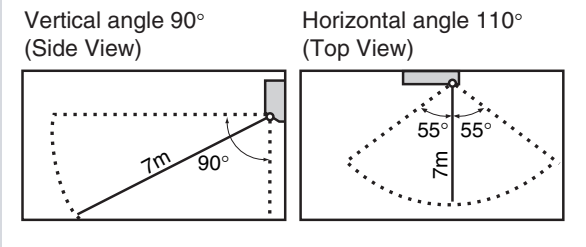
5

“INTELLIGENT EYE” is useful for Energy Saving.

■ **Energy saving operation**
- Change the temperature +2°C in cooling / +2°C in dry mode from set temperature.
- Decrease the air flow rate slightly in fan operation. (In FAN mode only)

Notes on “INTELLIGENT EYE”

- Application range is as follows.



- Sensor may not detect moving objects further than 7m away. (Check the application range)
- Sensor detection sensitivity changes according to indoor unit location, the speed of passersby, temperature range, etc.
- The sensor also mistakenly detects pets, sunlight, fluttering curtains and light reflected off of mirrors as passersby.
- INTELLIGENT EYE operation will not go on during powerful operation.
- Night set mode will not go on during you use INTELLIGENT EYE operation.

⚠ CAUTION

- Do not place large objects near the sensor.
  Also keep heating units or humidifiers outside the sensor's detection area. This sensor can detect objects it shouldn't as well as not detect objects it should.
- Do not hit or violently push the INTELLIGENT EYE sensor. This can lead to damage and malfunction.

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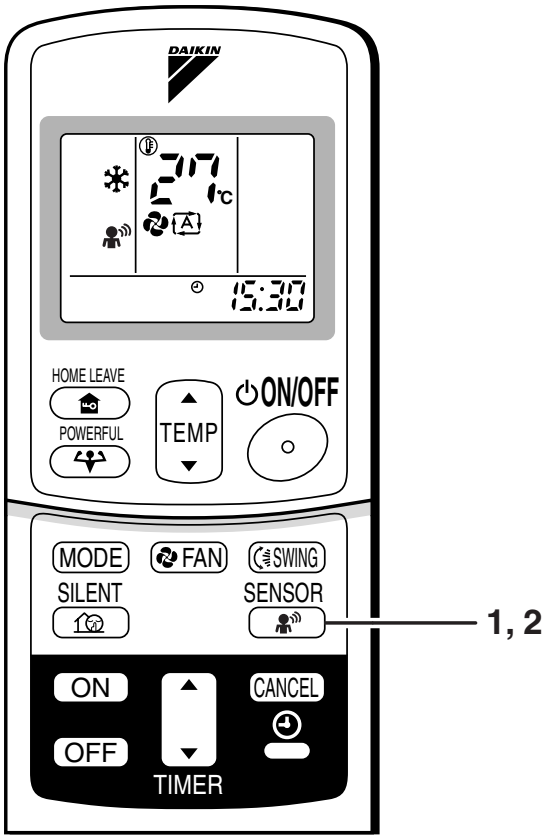
INTELLIGENT EYE Operation

"INTELLIGENT EYE" is the infrared sensor which detects the human movement.



■ To start INTELLIGENT EYE operation

1. **Press "SENSOR button".**

■ To cancel the INTELLIGENT EYE operation

2. **Press "SENSOR button" again.**

[EX.]

When somebody in the room

- **Normal operation**

When nobody in the room

- **20 min. after, start energy saving operation.**

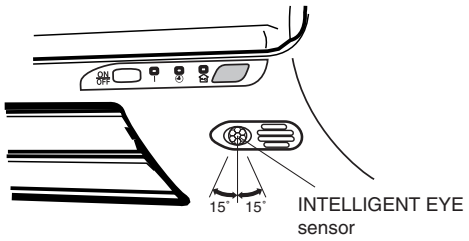
Somebody back in the room

- **Back to normal operation.**

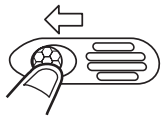
5

■ To adjust the angle of the INTELLIGENT EYE sensor

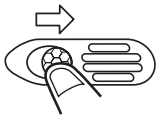
- You can adjust the angle of the INTELLIGENT EYE sensor to increase the detection area. (Adjustable angle: 15° to right and left of centre)



- Gently push and slide the sensor to adjust the angle.
- After adjusting the angle, wipe the sensor gently with a clean cloth, being careful not to scratch the sensor.



Moving the sensor to the left



Moving the sensor to the right

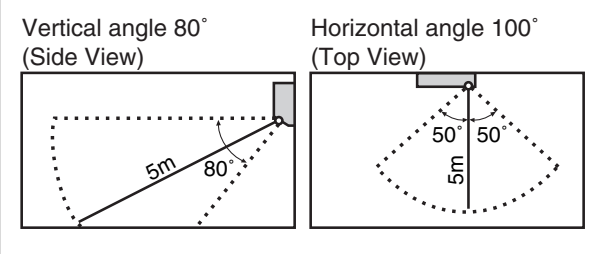
"INTELLIGENT EYE" is useful for Energy Saving

■ **Energy saving operation**

- Change the temperature –2°C in heating / +2°C in cooling / +1°C in dry mode from set temperature.
- Decrease the air flow rate slightly in fan operation. (In FAN mode only)

Notes on "INTELLIGENT EYE"

- Application range is as follows.



- Sensor may not detect moving objects further than 5m away. (Check the application range)
- Sensor detection sensitivity changes according to indoor unit location, the speed of passersby, temperature range, etc.
- The sensor also mistakenly detects pets, sunlight, fluttering curtains and light reflected off of mirrors as passersby.
- INTELLIGENT EYE operatipon will not go on during powerful operation.
- Night set mode will not go on during you use INTELLIGENT EYE operation.

⚠ CAUTION

- Do not place large objects near the sensor.
  Also keep heating units or humidifiers outside the sensor's detection area. This sensor can detect objects it shouldn't as well as not detect objects it should.
- Do not hit or violently push the INTELLIGENT EYE sensor. This can lead to damage and malfunction.

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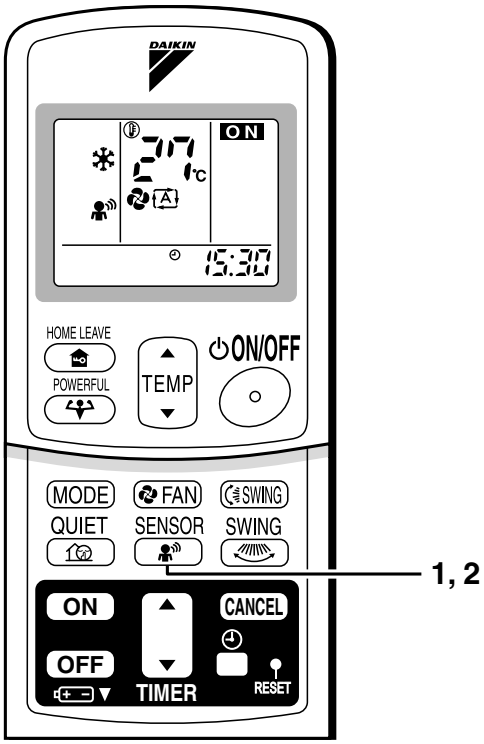
INTELLIGENT EYE Operation

"INTELLIGENT EYE" is the infrared sensor which detects the human movement.



■ To start INTELLIGENT EYE operation

1. **Press "SENSOR button".**
   - "" is displayed on the LCD.

■ To cancel the INTELLIGENT EYE operation

2. **Press "SENSOR button" again.**
   - "" disappears from the LCD.

[EX.]

When somebody in the room
- **Normal operation**

⇩

When nobody in the room
- **20 min. after, start energy saving operation.**

⇩

Somebody back in the room
- **Back to normal operation.**

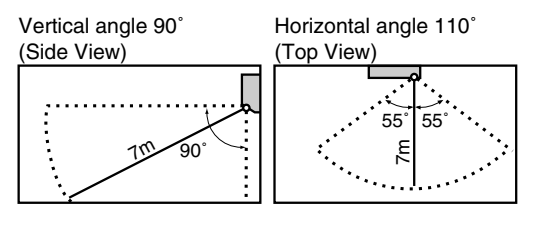
5

“INTELLIGENT EYE” is useful for Energy Saving.

■ **Energy saving operation**
- Change the temperature –2°C in heating / +2°C in cooling / +1°C in dry mode from set temperature.
- Decrease the air flow rate slightly in fan operation. (In FAN mode only)

Notes on “INTELLIGENT EYE”

- Application range is as follows.



- Sensor may not detect moving objects further than 7m away. (Check the application range)
- Sensor detection sensitivity changes according to indoor unit location, the speed of passersby, temperature range, etc.
- The sensor also mistakenly detects pets, sunlight, fluttering curtains and light reflected off of mirrors as passersby.
- INTELLIGENT EYE operation will not go on during powerful operation.
- Night set mode will not go on during you use INTELLIGENT EYE operation.

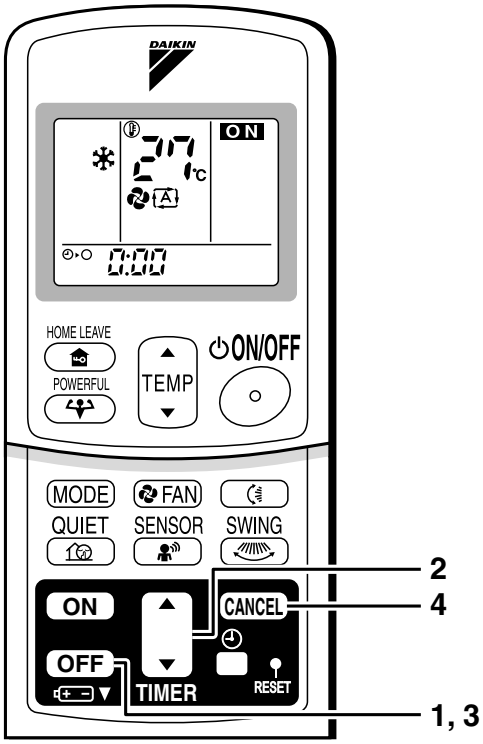
⚠ CAUTION

- Do not place large objects near the sensor.
  Also keep heating units or humidifiers outside the sensor’s detection area. This sensor can detect objects it shouldn’t as well as not detect objects it should.
- Do not hit or violently push the INTELLIGENT EYE sensor. This can lead to damage and malfunction.

1.13 TIMER Operation

TIMER Operation

Timer functions are useful for automatically switching the air conditioner on or off at night or in the morning. You can also use OFF TIMER and ON TIMER in combination.



■ To use OFF TIMER operation

- Check that the clock is correct.
  If not, set the clock to the present time.

1. Press “OFF TIMER button”.

0:00 is displayed.

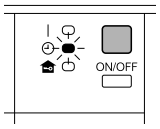
⊕▸○ blinks.

2. Press “TIMER Setting button” until the time setting reaches the point you like.

- Every pressing of either button increases or decreases the time setting by 10 minutes. Holding down either button changes the setting rapidly.

3. Press “OFF TIMER button” again.

- The TIMER lamp lights up.



■ To cancel the OFF TIMER Operation

4. Press “CANCEL button”.

- The TIMER lamp goes off.

NOTE

- When TIMER is set, the present time is not displayed.
- Once you set ON, OFF TIMER, the time setting is kept in the memory. (The memory is canceled when remote controller batteries are replaced.)
- When operating the unit via the ON/OFF Timer, the actual length of operation may vary from the time entered by the user. (Maximum approx. 10 minutes)

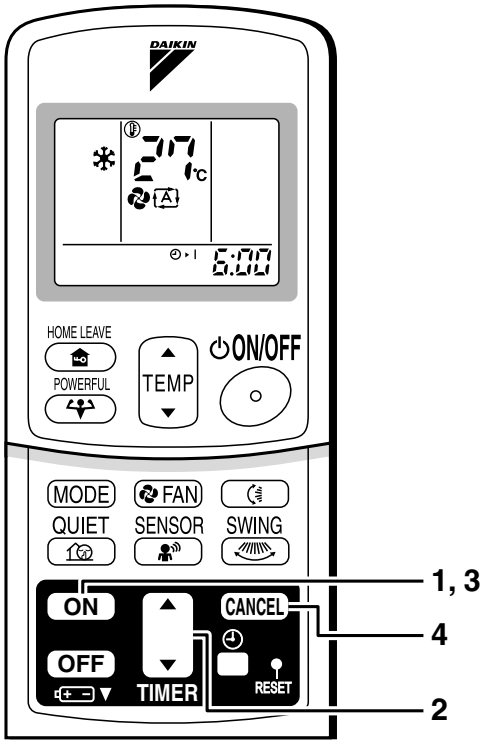
■ **NIGHT SET MODE**

When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.5°C up in COOL, 2.0°C down in HEAT) to prevent excessive cooling (heating) for your pleasant sleep.

5

■ To use ON TIMER operation

- Check that the clock is correct. If not, set the clock to the present time.



1. Press “ON TIMER button”.

5:00 is displayed.

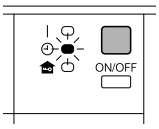
⏲▸| blinks.

2. Press “TIMER Setting button” until the time setting reaches the point you like.

- Every pressing of either button increases or decreases the time setting by 10 minutes. Holding down either button changes the setting rapidly.

3. Press “ON TIMER button” again.

- The TIMER lamp lights up.



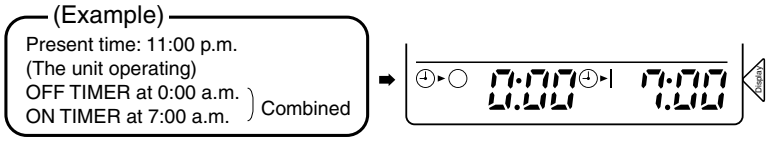
■ To cancel ON TIMER operation

4. Press “CANCEL button”.

- The TIMER lamp goes off.

■ To combine ON TIMER and OFF TIMER

- A sample setting for combining the two timers is shown below.



ATTENTION

■ **In the following cases, set the timer again.**

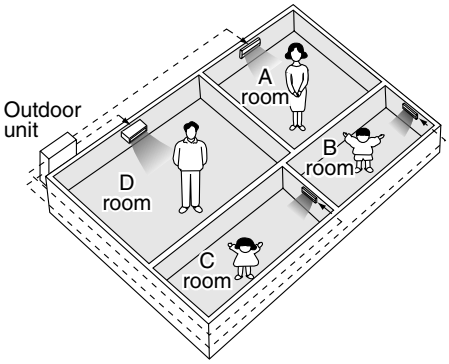
- After a breaker has turned OFF.
- After a power failure.
- After replacing batteries in the remote controller.

1.14 Note for Multi System

Note for Multi System

《 What is a "Multi System"? 》

This system has one outdoor unit connected to multiple indoor units.



■ Selecting the Operation Mode

1. With the Priority Room Setting present but inactive or not present.

When more than one indoor unit is operating, priority is given to the first unit that was turned on.
In this case, set the units that are turned on later to the same operation mode (*1) as the first unit.
Otherwise, they will enter the Standby Mode, and the operation lamp will flash; this does not indicate malfunction.

(*1)

- COOL, DRY and FAN mode may be used at the same time.
- AUTO mode automatically selects COOL mode or HEAT mode based on the room temperature. Therefore, AUTO mode is available when selecting the same operation mode as that of the room with the first unit to be turned on.

〈**CAUTION**〉

Normally, the operation mode in the room where the unit is first run is given priority, but the following situations are exceptions, so please keep this in mind.
If the operation mode of the first room is **FAN Mode**, then using **Heating Mode** in any room after this will give priority to **heating.** In this situation, the air conditioner running in FAN Mode will go on standby, and the operation lamp will flash.

2. With the Priority Room Setting active.

See "Priority Room Setting" on the next page.

■ NIGHT QUIET Mode (Available only for cooling operation)

NIGHT QUIET Mode requires initial programming during installation. Please consult your retailer or dealer for assistance.
NIGHT QUIET Mode reduces the operation noise of the outdoor unit during the night time hours to prevent annoyance to neighbors.

- The NIGHT QUIET Mode is activated when the temperature drops 5°C or more below the highest temperature recorded that day. Therefore, when the temperature difference is less than 5°C, this function will not be activated.
- NIGHT QUIET Mode reduces slightly the cooling efficiency of the unit.

■ OUTDOOR UNIT QUIET Operation

1. With the Priority Room Setting present but inactive or not present.

When using the OUTDOOR UNIT QUIET operation feature with the Multi system, set all indoor units to OUTDOOR UNIT QUIET operation using their remote controllers.
When clearing OUTDOOR UNIT QUIET operation, clear one of the operating indoor units using their remote controller.
However OUTDOOR UNIT QUIET operation display remains on the remote controller for other rooms.
We recommend you release all rooms using their remote controllers.

2. With the Priority Room Setting active.

See "Priority Room Setting" on the next page.

■ Cooling / Heating Mode Lock (Available only for heat pump models)

The Cooling / Heating Mode Lock requires initial programming during installation.Please consult your retailer or dealer for assistance. The Cooling / Heating Mode Lock sets the unit forcibly to either Cooling or Heating Mode. This function is convenient when you wish to set all indoor units connected to the Multi system to the same operation mode.

■ Priority Room Setting

The Priority Room Setting requires initial programming during installation. Please consult your retailer or dealer for assistance.
The room designated as the Priority Room takes priority in the following situations;

1. Operation Mode Priority.

As the operation mode of the Priority Room takes precedence, the user can select a different operation mode from other rooms.
〈Example〉
* Room A is the Priority Room in the examples.
When COOL mode is selected in Room A while operating the following modes in Room B,C and D:

Operation mode in Room B, C and D	Status of Room B, C and D when the unit in Room A is in COOL mode
COOL or DRY or FAN	Current operation mode maintained
HEAT	The unit enters Standby Mode. Operation resumes when the Room A unit stops operating.
AUTO	If the unit is set to COOL mode, operation continues. If set to HEAT mode, it enters Standby Mode. Operation resumes when the Room A unit stops operating.

2. Priority when POWERFUL operation is used.

〈Example〉
* Room A is the Priority Room in the examples.
The indoor units in Rooms A,B,C and D are all operating. If the unit in Room A enters POWERFUL operation, operation capacity will be concentrated in Room A. In such a case, the cooling (heating) efficiency of the units in Rooms B,C and D may be slightly reduced.

3. Priority when using OUTDOOR UNIT QUIET operation.

〈Example〉
* Room A is the Priority Room in the examples.
Just by setting the unit in Room A to QUIET operation, the air conditioner starts OUTDOOR UNIT QUIET operation.
You don't have to set all the operated indoor units to QUIET operation.

■ When the simultaneous operational capacity is exceeded

If the simultaneous operational capacity is exceeded for outdoor unit capacity, the indoor unit enters Standby Mode, and the operation light flashed; this is not a malfunction.
<Example>
When the units in rooms A, B, and C are being used, and the D is used, causing an overload: The room (from A to D) which is closest to the set temperature will go into standby mode. The room in standby mode will resume operation once operation in the other rooms is stopped.

1.15 Care and Cleaning

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Care and Cleaning

CAUTION **Before cleaning, be sure to stop the operation and turn the breaker OFF.**

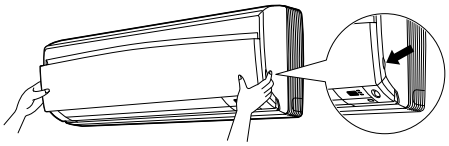
Units

■ Indoor unit, Outdoor unit and Remote controller

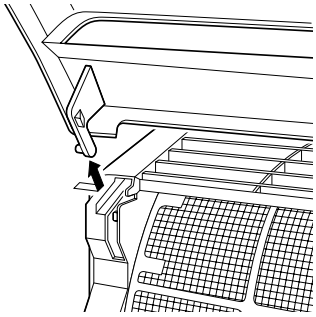
1. **Wipe them with dry soft cloth.**

■ Front panel

1. **Open the front panel.**
   - Hold the panel by the tabs on the two sides and lift it until it stops with a click.

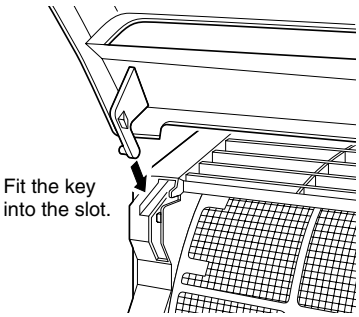


2. **Remove the front panel.**
   - Lift the front panel up, slide it slightly to the right, and remove it from the horizontal axle.



3. **Clean the front panel.**
   - Wipe it with a soft cloth soaked in water.
   - Only neutral detergent may be used.
   - In case of washing the panel with water, dry it with cloth, dry it up in the shade after washing.

4. **Attach the front panel.**
   - Set the 2 keys of the front panel into the slots and push them in all the way.
   - Close the front panel slowly and push the panel at the 3 points.
     (1 on each sides and 1 in the middle.)

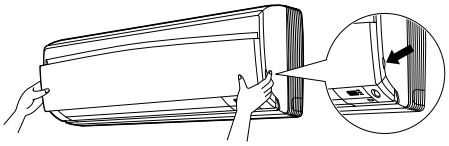


CAUTION

- Don't touch the metal parts of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 40 °C, benzine, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hand stuff.
- After cleaning, make sure that the front panel is securely fixed.

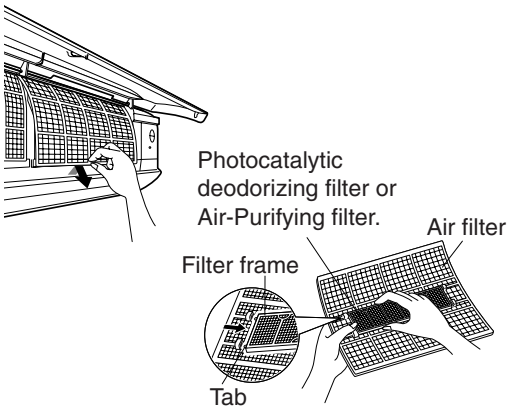
Filters

1. **Open the front panel.**
2. **Pull out the air filters.**
   - Push a little upwards the tab at the center of each air filter, then pull it down.

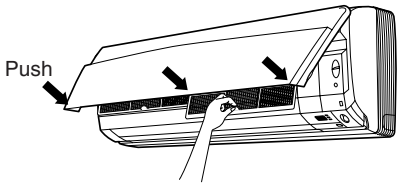


3. **Take off the Photocatalytic deodorizing filter, Air-Purifying filter.**
   - Hold the recessed parts of the frame and unhook the four claws.
4. **Clean or replace each filter.**

   See figure.

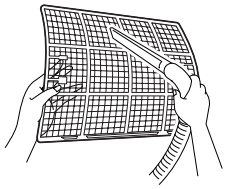


5. **Set the air filter, Photocatalytic deodorizing filter and Air-Purifying filter as they were and close the front panel.**
   - Insert claws of the filters into slots of the front panel. Close the front panel slowly and push the panel at the 3 points. (1 on each sides and 1 in the middle.)



■ Air Filter

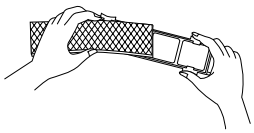
1. **Wash the air filters with water or clean them with vacuum cleaner.**
   - If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.
   - It is recommended to clean the air filters every two weeks.



■ Air Purifying Filter (green)

(Replace approximately once every 3 months.)

1. **Detach the filter element and attach a new one.**
   - Insert with the green side up.
   - It is recommended to replace the air purifying filter every three months.



■ Photocatalytic Deodorizing Filter (gray)

[Maintenance]

1. **Dry the photocatalytic deodorizing filter in the sun.**
   - After removing the dust with a vacuum cleaner, place the filter in the sun for approximately 6 hours. By drying the photocatalytic deodorizing filter in the sun, its deodorizing and antibacterial capabilities are regenerated.
   - Because the filter material is paper, it can not be cleaned with water.
   - It is recommended dry the filter once every 6 months.

[Replacement]

1. **Detach the filter element and attach a new one.**

NOTE

- Operation with dirty filters :
  (1) cannot deodorize the air. (2) cannot clean the air.
  (3) results in poor cooling. (4) may cause odour.
- The air purifying filter and photocatalytic deodorizing filter cannot be reused, even if washed.
- In principle, there is no need to replace the photocatalytic deodorizing filter. Remove the dust periodically with a vacuum cleaner. However, it is recommended to replace the filter in the following cases.
  (1) The paper material is torn or broken during cleaning.
  (2) The filter has become extremely dirty after long use.
- To order air purifying filter or photocatalytic deodorizing filter, contact to the service shop where you bought the air conditioner.
- Dispose of old air filters as non-burnable waste and photocatalytic deodorizing filters as burnable waste.

Part name	Part No.
Photocatalytic deodorizing filter (without frame)	KAZ970A42
Air purifying filter (without frame)	KAF970A42

5

Check

Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
Check that the drain comes smoothly out of the drain hose during COOL or DRY operation. • If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

■ Before a long idle period

1. **Operate the “FAN only” for several hours on a fine day to dry out the inside.**
   - Press“ MODE selector button” and select “fan” operation.
   - Press“ ON/OFF button” and start operation.
2. **Clean the air filters and set them again.**
3. **Take out batteries from the remote controller.**
4. **Turn OFF the breaker for the room air conditioner.**
   - When a multi outdoor unit is connected, make sure the heating operation is not used at the other room before you use the fan operation.

FTXE 25/35 B

Care and Cleaning

CAUTION **Before cleaning, be sure to stop the operation and turn the breaker OFF.**

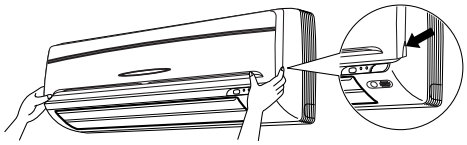
Units

■ Indoor unit, Outdoor unit and Remote controller

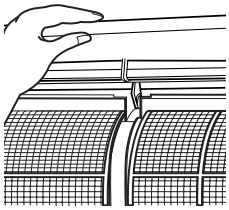
1. **Wipe them with dry soft cloth.**

■ Front grille

1. **Open the front grille.**
   - Hold the grille by the tabs on the two sides and lift it until it stops with a click.

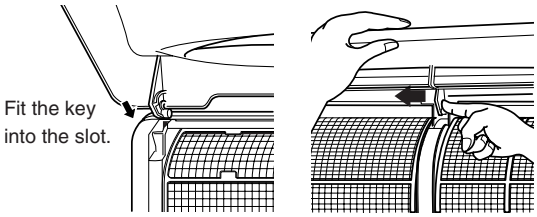


2. **Remove the front grille.**
   - Supporting the front grille with one hand, release the lock by sliding down the knob with the other hand.
   - To remove the front grille, pull it toward yourself with both hands.



3. **Clean the front grille**
   - Wipe it with a soft cloth soaked in water.
   - Only neutral detergent may be used.
   - In case of washing the grille with water, dry it with cloth, dry it up in the shade after washing.

4. **Attach the front grille**
   - Set the 3 keys of the front grille into the slots and push them in all the way.
   - Close the front grille slowly and push the grille at the 3 points.
     (1 on each sides and 1 in the middle.)
   - Check to see if the rotating axis in the upper center section is moving.

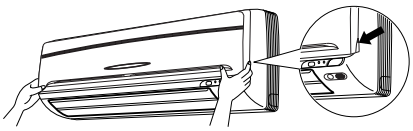


⚠ CAUTION

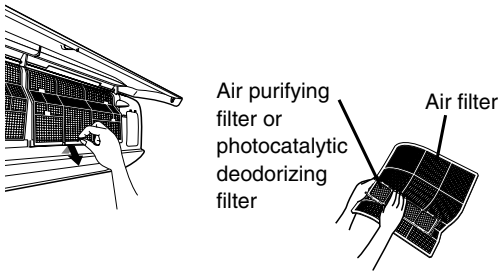
- Don't touch the metal parts of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front grille, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front grille, support the grille securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 40 °C, benzine, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hand stuff.
- After cleaning, make sure that the front grille is securely fixed.

Filters

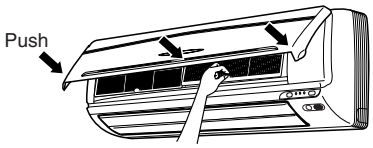
1. **Open the front grille.**
2. **Pull out the air filters.**
   - Push a little upwards the tab at the center of each air filter, then pull it down.



3. **Take off the air purifying filter, photocatalytic deodorizing filter.**
   - Hold the recessed parts of the frame and unhook the four claws.
4. **Clean or replace each filter.**
   See below.

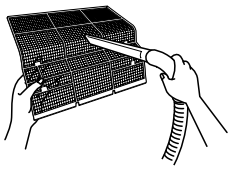


5. **Set the air filter, air purifying filter and photocatalytic deodorizing filter as they were and close the front grille.**
   - Insert claws of the filters into slots of the front grille. Close the front grille slowly and push the grille at the 3 points. (1 on each sides and 1 in the middle.)



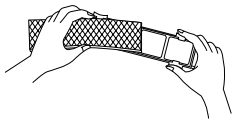
■ Air Filter

1. **Wash the air filters with water or clean them with vacuum cleaner.**
   - If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.
   - It is recommended to clean the air filters every two weeks.



■ Air Purifying Filter (green)

(Replace approximately once every 3 months.)



1. **Detach the filter element and attach a new one.**
   - Insert with the green side up.
   - It is recommended to replace the air purifying filter every three months.

■ Photocatalytic Deodorizing Filter (gray)

[Maintenance]

1. **Dry the photocatalytic deodorizing filter in the sun.**
   - After removing the dust with a vacuum cleaner, place the filter in the sun for approximately 6 hours. By drying the photocatalytic deodorizing filter in the sun, its deodorizing and antibacterial capabilities are regenerated.
   - Because the filter material is paper, it can not be cleaned with water.
   - It is recommended dry the filter once every 6 months.

[Replacement]

1. **Detach the filter element and attach a new one.**

Check

Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
Check that the earth wire is not disconnected or broken.
Check that the drain comes smoothly out of the drain hose during COOL or DRY operation. • If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

■ Before a long idle period

1. **Operate the "fan only" for several hours on a fine day to dry out the inside.**
   - Press "MODE" button and select "fan"operation.
   - Press "ON/OFF" button and start operation.
2. **Clean the air filters and set them again.**
3. **Take out batteries from the remote controller.**
4. **Turn OFF the breaker for the room air conditioner.**
   - When a multi outdoor unit is connected, make sure the heating operation is not used at the other room before you use the fan operation.

NOTE

- Operation with dirty filters :
  (1) cannot deodorize the air. (2) cannot clean the air.
  (3) results in poor heating or cooling. (4) may cause odour.
- The air purifying filter and Photocatalytic deodorizing filter cannot be reused, even if washed.
- In principle, there is no need to replace the photocatalytic deodorizing filter. Remove the dust periodically with a vacuum cleaner. However, it is recommended to replace the filter in the following cases.
  (1) The paper material is torn or broken during cleaning.
  (2) The filter has become extremely dirty after long use.
- To order air purifying filter or photocatalytic deodorizing filter, contact to the service shop where you bought the air conditioner.
- Dispose of old air filters as non-burnable waste and photocatalytic deodorizing filters as burnable waste.

Part name	Part No.
Photocatalytic deodorizing filter (with frame)	KAZ917B41
Photocatalytic deodorizing filter (without frame)	KAZ917B42
Air purifying filter (with frame)	KAF925B41
Air purifying filter (without frame)	KAF925B42

FTK(X)D 50/60/71 F

Care and Cleaning

⚠ **CAUTION** **Before cleaning, be sure to stop the operation and turn the breaker OFF.**

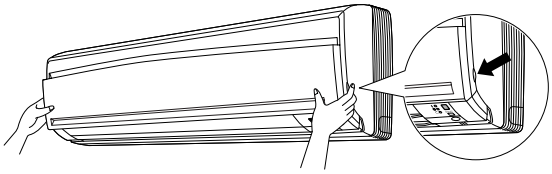
Units

■ Indoor unit, Outdoor unit and Remote controller

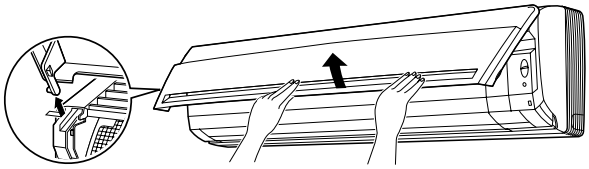
1. **Wipe them with dry soft cloth.**

■ Front panel

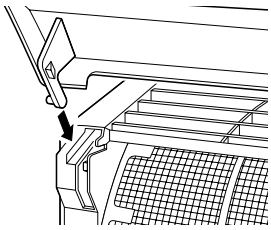
1. **Open the front panel.**
   - Hold the panel by the tabs on the two sides and lift it until it stops with a click.



2. **Remove the front panel.**
   - Open the front panel further while sliding it to either the left or right and pulling it toward you. This will disconnect the rotation dowel on one side. Then disconnect the rotation dowel on the other side in the same manner.



3. **Clean the front panel.**
   - Wipe it with a soft cloth soaked in water.
   - Only neutral detergent may be used.
   - In case of washing the panel with water, dry it with cloth, dry it up in the shade after washing.
4. **Attach the front panel.**
   - Align the rotation dowels on the left and right of the front panel with the slots, then push them all the way in.
   - Close the front panel slowly. (Press the panel at both sides and the center.)

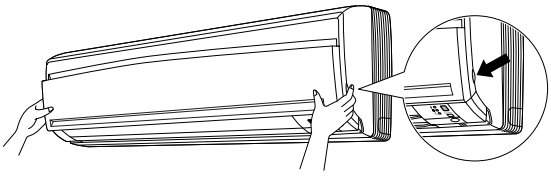


⚠ CAUTION

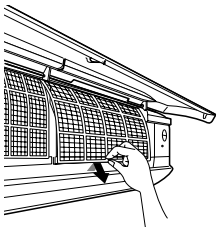
- Don't touch the metal parts of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 40°C, benzine, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hand stuff.
- After cleaning, make sure that the front panel is securely fixed.

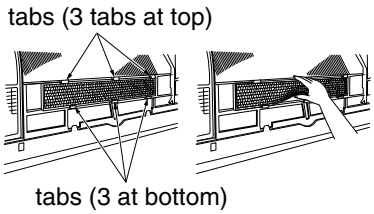
Filters

1. **Open the front panel.**

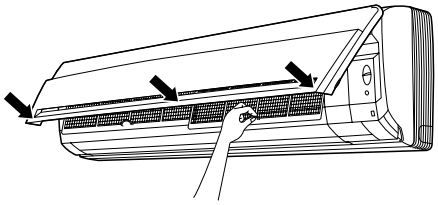


2. **Pull out the air filters.**
   - Push a little upwards the tab at the center of each air filter, then pull it down.
3. **Take off the Titanium Apatite Photocatalytic Air-Purifying Filter.**
   - Press the top of the air-cleaning filter onto the tabs (3 tabs at top). Then press the bottom of the filter up slightly, and press it onto the tabs (3 at bottom).



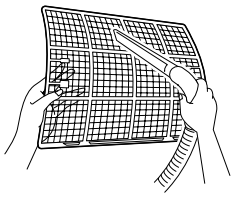


4. **Clean or replace each filter.**
   See figure.
5. **Set the air filter and the Titanium Apatite Photocatalytic Air-Purifying Filter as they were and close the front panel.**
   - Press the front panel at both sides and the center.



■ Air Filter

1. **Wash the air filters with water or clean them with vacuum cleaner.**
   - If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.
   - It is recommended to clean the air filters every two weeks.



■ Titanium Apatite Photocatalytic Air-purifying Filter

The Titanium Apatite Photocatalytic Air-Purifying Filter can be renewed by washing it with water once every 6 months. We recommend replacing it once every 3 years.

[Maintenance]

1. **Remove dust with a vacuum cleaner and wash lightly with water.**
2. **If it is very dirty, soak it for 10 to 15 minutes in water mixed with a neutral cleaning agent.**
3. **After washing, shake off remaining water and dry in the shade.**
4. **Since the material is made out of polyester, do not wring out the filter when removing water from it.**

[Replacement]

1. **Remove the tabs on the filter frame and replace with a new filter.**
   - Dispose of the old filter as non-flammable waste.

NOTE

- Operation with dirty filters:
  (1) cannot deodorize the air. (2) cannot clean the air.
  (3) results in poor heating or cooling. (4) may cause odour.
- To order Titanium Apatite Photocatalytic Air-Purifying Filter contact to the service shop there you bought the air conditioner.
- Dispose of old filters as non-flammable waste.

Item	Part No.
Titanium Apatite Photocatalytic Air-Purifying Filter (without frame) 1 set	KAF952B42

Check

Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit
Check that the drain comes smoothly out of the drain hose during COOL or DRY operation. • If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

■ Before a long idle period

1. **Operate the "FAN only" for several hours on a fine day to dry out the inside.**
   - Press "MODE" button and select "FAN" operation.
   - Press "ON/OFF" button and start operation.
2. **After operation stops, turn off the breaker for the room air conditioner.**
3. **Clean the air filters and set them again.**
4. **Take out batteries from the remote controller.**

- NOTE) When a multi outdoor unit is connected, make sure the heating operation is not used at the other room before you use the fan operation.

CDK(X)D 25/35/50/60 C

Care and Cleaning

CAUTION **Before cleaning, be sure to stop the operation and turn the breaker OFF.**

■ Cleaning the air filter and suction grille (Option)

- Be sure always to clean the unit before use at the beginning of summer and winter.
  (Dirt and dust caught in the air filter cause a drop in airflow, which leads to a decline in performance.)
- When using the unit in a location where dirt may easily accumulate, clean the unit more frequently.
  Once every 2 weeks is recommended.
- Ask your DAIKIN dealer how to clean them.

Cleaning the drain pan

- Clean the drain pan periodically, or drain piping may be clogged with dust and may result in water leakage.
  Ask your DAIKIN dealer how to clean them.
- If the ambient air of indoor unit is so dusty, install the optional Dust Cover which prevent dust from falling into drain pan.

Check

Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
Check that the drain comes smoothly out of the drain hose during COOL or DRY operation. • If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

■ Before a long idle period

1. **Operate the “Fan only” for several hours on a fine day to dry out the inside.**
   - Press “MODE” button and select “Fan”operation.
   - Press “ON/OFF” button and start operation.
2. **After operation stops, turn off the breaker for the room air conditioner.**
3. **Clean the air filters and set them again.**
4. **Take out batteries from the remote controller.**
   - When a multi outdoor unit is connected, make sure the heating operation is not used at the other room before you use the fan operation.

NOTE

- Do not use gasoline, benzene, thinner, polishing powder, liquid insecticide, It may cause discoloring or warping.
- Do not let the indoor unit get wet. It may cause an electric shock or a fire.
- Operation with dusty air filters lowers the cooling and heating capacity and wastes energy.
- The air filter and the suction grille are option.
- Ask your DAIKIN dealer how to clean them.

CDK(X)D 25/35 E

Care and Cleaning

CAUTION
- **Only a qualified service person is allowed to perform maintenance.**
- **Before cleaning, be sure to stop the operation and turn the breaker OFF.**

■ Cleaning the air filter and suction grille (Option)

- Be sure always to clean the unit before use at the beginning of summer and winter.
  (Dirt and dust caught in the air filter cause a drop in airflow, which leads to a decline in performance.)
- When using the unit in a location where dirt may easily accumulate, clean the unit more frequently.
  Once every 2 weeks is recommended.
- Ask your DAIKIN dealer how to clean them.

■ Cleaning the drain pan

- Clean the drain pan periodically, or drain piping may be clogged with dust and may result in water leakage.
  Ask your DAIKIN dealer to clean them.
- Prepare a cover locally to prevent any dust in the air around the indoor unit from getting in the drain pan, if there is a great deal of dust present.

CAUTION

- Do not operate the air conditioner without filters, this to avoid dust accumulation inside the unit.
- Do not remove the air filter except when cleaning.
  Unnecessary handling may damage the filter.
- Do not use gasoline, benzene, thinner, polishing powder, liquid insecticide. It may cause discoloring or warping.
- Do not let the indoor unit get wet. It may cause an electric shock or a fire.
- Operation with dusty air filters lowers the cooling and heating capacity and wastes energy.
- Do not use water or air of 50˚C or higher for cleaning air filters and outside panels.
- The air filter and the suction grille are option.
- Ask your DAIKIN dealer how to clean them.

Check

Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
Check that the drain comes smoothly out of the drain hose during COOL or DRY operation. • If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

■ Before a long idle period

1. **Operate the “FAN only” for several hours on a fine day to dry out the inside.**
   - Press “MODE selector button” and select “FAN” operation.
     Press “ON/OFF button” and start operation.
2. **After operation stops, turn off the breaker for the room air conditioner.**
3. **Clean the air filters and set them again.**
4. **Take out batteries from the remote controller.**
   - When a multi outdoor unit is connected, make sure the heating operation is not used at the other room before you use the fan operation.

5

FLK(X) 25/35/50/60 A

Care and Cleaning

CAUTION **Before cleaning, be sure to stop the operation and turn the breaker OFF.**

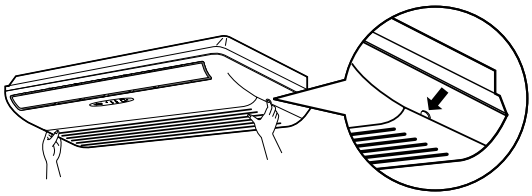
Units

■ Indoor unit, Outdoor unit and Remote controller

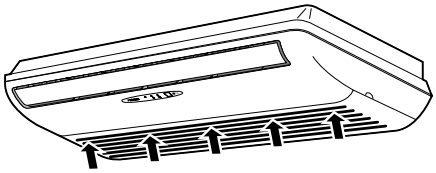
1. **Wipe them with dry soft cloth.**

■ Front grille

1. **Open the front grille.**
   - Hold the grille by the tabs on the two sides and lift it until it stops.



2. **Clean the front grille**
   - Wipe it with a soft cloth soaked in water.
   - Only neutral detergent may be used.
   - In case of washing the grille with water, dry it with cloth, dry it up in the shade after washing.
3. **Close the front grille**
   - Push the grille at the 5 points indicated by ⬆.
   - Operation without air filters may result in troubles as dust will accumulate inside the indoor unit.

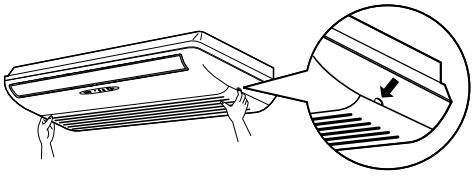


⚠ CAUTION

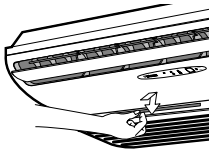
- Don't touch the metal parts of the indoor unit. If you touch those parts, this may cause an injury.
- When opening and closing the front grille, use a robust and stable stool and watch your steps carefully.
- When opening and closing the front grille, support the grille securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 40 °C, benzine, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hand stuff.
- After cleaning, make sure that the front grille is securely fixed.

Filters

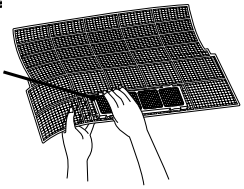
1. **Open the front grille.**
2. **Pull out the air filters.**
   - Push upwards the tab at the center of each air filter, then pull it down.



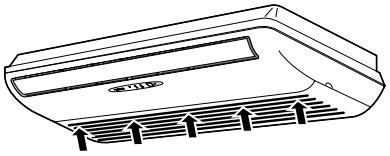
3. **Take off the air purifying filter, photocatalytic deodorizing filter.**
   - Hold the recessed parts of the frame and unhook the four claws.



4. **Clean or replace each filter.**
   See figure.



5. **Set the air filter, air purifying filter and photocatalytic deodorizing filter as they were and close the front grille.**
   - Insert claws of the filters into slots of the front grille.
   - Push the grille at the 5 points.



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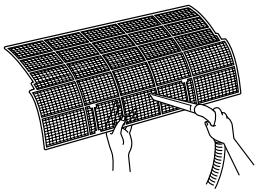
■ Air Filter

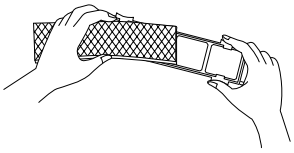
1. **Wash the air filters with water or clean them with vacuum cleaner.**
   - If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.
   - It is recommended to clean the air filters every two weeks.



■ Air Purifying Filter (green)

(Replace approximately once every 3 months.)

1. **Detach the filter element and attach a new one.**
   - Insert with the green side up.
   - It is recommended to replace the air purifying filter every three months.



■ Photocatalytic Deodorizing Filter (gray)

[Maintenance]

1. **Dry the photocatalytic deodorizing filter in the sun.**
   - After removing the dust with a vacuum cleaner, place the filter in the sun for approximately 6 hours. By drying the photocatalytic deodorizing filter in the sun, its deodorizing and antibacterial capabilities are regenerated.
   - Because the filter material is paper, it can not be cleaned with water.
   - It is recommended dry the filter once every 6 months.

[Replacement]

1. **Detach the filter element and attach a new one.**

Check

Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.
Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.
Check that the earth wire is not disconnected or broken.
Check that the drain comes smoothly out of the drain hose during COOL or DRY operation. • If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

■ Before a long idle period

1. Operate the “fan only” for several hours on a fine day to dry out the inside.

- Press “MODE” button and select “fan”operation.
- Press “ON/OFF” button and start operation.

2. Clean the air filters and set them again.

3. Take out batteries from the remote controller.

4. Turn OFF the breaker for the room air conditioner.

- When a multi outdoor unit is connected, make sure the heating operation is not used at the other room before you use the fan operation.

NOTE

- Operation with dirty filters :
  (1) cannot deodorize the air. (2) cannot clean the air.
  (3) results in poor heating or cooling. (4) may cause odour.
- The air purifying filter and Photocatalytic deodorizing filter cannot be reused, even if washed.
- In principle, there is no need to replace the photocatalytic deodorizing filter. Remove the dust periodically with a vacuum cleaner. However, it is recommended to replace the filter in the following cases.
  (1) The paper material is torn or broken during cleaning.
  (2) The filter has become extremely dirty after long use.
- To order air purifying filter or Photocatalytic deodorizing filter, contact to the service shop where you bought the air conditioner.
- Dispose of old air filters as non-burnable waste and Photocatalytic deodorizing filters as burnable waste.

Item	Part No.
Photocatalytic deodorizing filter (with frame)	KAZ917B41
Photocatalytic deodorizing filter (without frame)	KAZ917B42
Air purifying filter (with frame)	KAF925B41
Air purifying filter (without frame)	KAF925B42

1.16 Troubleshooting

Trouble Shooting

These cases are not troubles.

The following cases are not air conditioner troubles but have some reasons. You may just continue using it.

Case	Explanation
Operation does not start soon. • When ON/OFF button was pressed soon after operation was stopped. • When the mode was reselected.	• This is to protect the air conditioner. You should wait for about 3 minutes.
Hot air does not flow out soon after the start of heating operation.	• The air conditioner is warming up. You should wait for 1 to 4 minutes. (The system is designed to start discharging air only after it has reached a certain temperature.)
The heating operation stops suddenly and a flowing sound is heard.	• The system is taking away the frost on the outdoor unit. You should wait for about 4 to 12 minutes.
The outdoor unit emits water or steam.	■ In HEAT mode • The frost on the outdoor unit melts into water or steam when the air conditioner is in defrost operation. ■ In COOL or DRY mode • Moisture in the air condenses into water on the cool surface of outdoor unit piping and drips.
Mists come out of the indoor unit.	■ This happens when the air in the room is cooled into mist by the cold air flow during cooling operation.
The indoor unit gives out odour.	■ This happens when smells of the room, furniture, or cigarettes are absorbed into the unit and discharged with the air flow. (If this happens, we recommend you to have the indoor unit washed by a technician. Consult the service shop where you bought the air conditioner.)
The outdoor fan rotates while the air conditioner is not in operation.	■ After operation is stopped: • The outdoor fan continues rotating for another 60 seconds for system protection. ■ While the air conditioner is not in operation: • When the outdoor temperature is very high, the out door fan starts rotating for system protection.
The operation stopped suddenly. **(OPERATION lamp is on)**	■ For system protection, the air conditioner may stop operating on a sudden large voltage fluctuation. It automatically resumes operation in about 3 minutes.

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Check again.

Please check again before calling a repair person.

Case	Check
The air conditioner does not operate. (OPERATION lamp is off)	• Hasn't a breaker turned OFF or a fuse blown? • Isn't it a power failure? • Are batteries set in the remote controller? • Is the timer setting correct?
Cooling (Heating) effect is poor.	• Are the air filters clean? • Is there anything to block the air inlet or the outlet of the indoor and the outdoor units? • Is the temperature setting appropriate? • Are the windows and doors closed? • Are the air flow rate and the air direction set appropriately? • Is the unit set to the INTELLIGENT EYE mode?
Operation stops suddenly. (OPERATION lamp flashes.)	• Are the air filters clean? • Is there anything to block the air inlet or the outlet of the indoor and the outdoor units? Clean the air filters or take all obstacles away and turn the breaker OFF. Then turn it ON again and try operating the air conditioner with the remote controller. If the lamp still flashes, call the service shop where you bought the air conditioner. • Are operation modes all the same for indoor units connected to outdoor units in the **multi system?** If not, set all indoor units to the same operation mode and confirm that the lamps flash. Moreover, when the operation mode is in "AUTO", set all indoor unit operation modes to "COOL" or "HEAT" for a moment and check again that the lamps are normal. If the lamps stop flashing after the above steps, there is no malfunction.
An abnormal functioning happens during operation.	• The air conditioner may malfunction with lightening or radio waves. Turn the breaker OFF, turn it ON again and try operating the air conditioner with the remote controller.

Call the service shop immediately.

WARNING

■ When an abnormality (such as a burning smell) occurs, stop operation and turn the breaker OFF.
Continued operation in an abnormal condition may result in troubles, electric shocks or fire.
Consult the service shop where you bought the air conditioner.

■ Do not attempt to repair or modify the air conditioner by yourself.
Incorrect work may result in electric shocks or fire.
Consult the service shop where you bought the air conditioner.

If one of the following symptoms takes place, call the service shop immediately.

- **The power cord is abnormally hot or damaged.**
- **An abnormal sound is heard during operation.**
- **The safety breaker, a fuse, or the earth leakage breaker cuts off the operation frequently.**
- **A switch or a button often fails to work properly.**
- **There is a burning smell.**
- **Water leaks from the indoor unit.**

▶ Turn the breaker OFF and call the service shop.

■ After a power failure The air conditioner automatically resumes operation in about 3 minutes. You should just wait for a while.	■ Lightening If lightening may strike the neighbouring area, stop operation and turn the breaker OFF for system protection.

We recommend periodical maintenance

In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodical maintenance by a specialist aside from regular cleaning by the user. For specialist maintenance, contact the service shop where you bought the air conditioner.
The maintenance cost must be born by the user.

Part 6
Options

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1. Optional Accessories

1.1 Option List

1.1.1 Indoor Units

Wall Mounted Type

	Option Name	FTKD25/35D
1	Centralized Control Board-up to 5 Rooms ★1	KRC72
2	Wiring Adaptor for Time Clock/Remote Control ★2 (Normal Open Pulse Contact / Normal Open Contact)	KRP413A1S
3	Central Remote Controller ★1	DCS302CA61
4	Unified ON/OFF Controller ★1	DCS301BA61
5	Schedule Timer ★1	DST301BA61
6	Interface Adaptor for Room Air Conditioner	KRP928B2S
7	Photocatalytic Deodorizing Filter without Frame	KAZ970A42
8	Air Purifying Filter without Frame	KAF970A42
9	Air Purifying Filter with Photocatalytic Deodorizing Function	—
10	Remote Controller Loss Prevention with the Chain	KKF917A4

★1 Wiring adaptor is also required for each indoor unit.
★2 Time clock and other devices ; obtained locally.

	Option Name	FTXE25/35B	FTK(X)D50/60/71F
1	Centralized Control Board-up to 5 Rooms ★1	KRC72	
2	Wiring Adaptor for Time Clock/Remote Control ★2 (Normal Open Pulse Contact / Normal Open Contact)	KRP413A1S	
3	Central Remote Controller ★1	DCS302CA61	
4	Unified ON/OFF Controller ★1	DCS301BA61	
5	Schedule Timer ★1	DST301BA61	
6	Interface Adaptor for Room Air Conditioner	KRP928B2S	
7	Photocatalytic Deodorizing Filter with Frame	KAZ917B41	—
8	Photocatalytic Deodorizing Filter without Frame	KAZ917B42	—
9	Air Purifying Filter with Frame	KAF925B41	—
10	Air Purifying Filter without Frame	KAF925B42	—
11	Titanium Apatite Photocatalytic Air-Purifying Filter	—	KAF952B42
12	Remote Controller Loss Prevention with the Chain	KKF917A4	

★1 Wiring adaptor is also required for each indoor unit.
★2 Time clock and other devices ; obtained locally.

Duct Connected Type

	Option Name	CDK(X)D25/35/50C	CDK(X)D60C
1	Centralized Control Board-up to 5 Rooms ★1	KRC72	
2	Wiring Adaptor for Time Clock/Remote Control ★2 (Normal Open Pulse Contact / Normal Open Contact)	KRP413A1S	
3	Central Remote Controller ★1	DCS302CA61	
4	Unified ON/OFF Controller ★1	DCS301BA61	
5	Schedule Timer ★1	DST301BA61	
6	Interface Adaptor for Room Air Conditioner	KRP928B2S	
7	Suction Grille	KDGF19A45	
8	Insulation Kit for High Humidity	KDT25N50	KDT25N63
9	Remote Controller Loss Prevention with the Chain	KKF917A4	

★1 Wiring adaptor is also required for each indoor unit.
★2 Time clock and other devices ; obtained locally.

	Option Name	CDK(X)D25/35E
1	Centralized Control Board-up to 5 Rooms ★1	KRC72
2	Wiring Adaptor for Time Clock/Remote Control ★2 (Normal Open Pulse Contact / Normal Open Contact)	KRP413A1S
3	Central Remote Controller ★1	DCS302CA61
4	Unified ON/OFF Controller ★1	DCS301BA61
5	Schedule Timer ★1	DST301BA61
6	Interface Adaptor for Room Air Conditioner	KRP928B2S
7	Suction Grille	KDGF19A45
8	Insulation Kit for High Humidity	KDT25N32
9	Remote Controller Loss Prevention with the Chain	KKF917A4

★1 Wiring adaptor is also required for each indoor unit.
★2 Time clock and other devices ; obtained locally

Floor / Ceiling Suspended Dual Type

	Option Name	FLK(X)25/35/50/60A
1	Centralized Control Board-up to 5 Rooms ★1	KRC72
2	Wiring Adaptor for Time Clock/Remote Control ★2 (Normal Open Pulse Contact / Normal Open Contact)	KRP413A1S
3	Central Remote Controller ★1	DCS302CA61
4	Unified ON/OFF Controller ★1	DCS301BA61
5	Schedule Timer ★1	DST301BA61
6	Interface Adaptor for Room Air Conditioner	KRP928B2S
7	Photocatalytic Deodorizing Filter with Frame	KAZ917B41
8	Photocatalytic Deodorizing Filter without Frame	KAZ917B42
9	Air Purifying Filter with Frame	KAF925B41
10	Air Purifying Filter without Frame	KAF925B42
11	Remote Controller Loss Prevention with the Chain	KKF917A4

★1 Wiring adaptor is also required for each indoor unit.
★2 Time clock and other devices ; obtained locally.

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1.1.2 Outdoor Units

	Option Name	2MKD58D 3MKD58/75D 4MKD75D 3MXD68B	4MKD100D 4MXD80B
1	Air Direction Adjustment Grille	KPW945A4	
2	Drain Plug	KKP937A4 ★1	KKP945A4 ★2

★1 5 pieces / 5 units
★2 1 set / 1 unit

1.2 Installation Manual

1.2.1 KRP413A1S

Safety Precautions

- Read these safety precautions carefully before installing the unit, and be sure to install the unit properly.
- This manual classifies precautions to the user into the following two categories. These warnings and cautions are for your safety. Follow them.

⚠ WARNING	Faulty installation can result in death or serious injury
⚠ CAUTION	Faulty installation can result in serious injury or other serious consequences.

- Below is a key to symbols used in this manual.

!	Be sure to follow instructions.
⏚	Be sure to perform grounding work.
⊘	Never attempt.

- After installation is complete, test the unit to confirm that it is working properly, and instruct the owner its proper use.

⚠ WARNING

- Installation should be left to the dealer from whom you purchased the unit, or another qualified professionals.
- Install the unit securely according to the installation manual. Faulty installation may lead to electric shock or fire.
- Be sure to use the supplied or specified parts. Using other parts may lead to electric shock or fire.
- Install the unit securely in a location that will support its weight. If installed in a poor location or improperly installed, the unit may not work as intended.
- For electrical work, follow local electric standards and the installation manual. Faulty installation may lead to fire or electric shock.
- Do not bundle the power cord, or attempt to extend it by splicing it with another cord or by using an extension cord. Do not place any other load on the power circuit used for the unit. Improper wiring may lead to electric shock, heat generation or fire.
- Use dedicated wiring for all electrical connections, and be sure to arrange the wiring so that force applied to the wiring will not damage the terminals. Poor wiring or installation may cause electric shock, heat generation or fire.

⚠ CAUTION

- Before installation, unplug the air conditioner to ensure safety. Failure to do so may cause electric shock.
- Static electricity may damage electric components. Before connecting cables and communication lines, and operating the switches, be sure to discharge any electrical charge from your body (by, for example, touching the earth line)
- Do not install the unit in a location where it may be exposed to flammable gases. If gas leaks and build up around the unit, it may catch fire.
- Do not place the wiring close to the power cord, inter-unit cable, or pipes which generate noise. Treat the wiring with care.

1. Functions and Features

- On/Off setting
- Switching between Instantaneous Contact/Normal Contact
- Connection with five-room central controller (KRC72 for oversea model)
- Connection with fan coil remote controller
- Automatic reset after power failure
- Output of normal operation signals/malfunction signals

2. Field Wiring

For interconnecting wiring, use Daikin KDC100A12 cable (not supplied) or other similar cable. The cable should have the specifications shown below.

■ Optional cable KDC100A12 (without connectors)

Specifications: 0.2 mm² × 4 core (sheathed)
Outer diameter: ϕ5.3
Length: 100 m
Colour: Grey

■ Other cable (commercially available)

Item	Outer dia.	Remarks
Cable for instrumentation (IPVV) 0.3 mm² × 4-core	7.2 mm	Hard sheath
Microphone cord (MVVS) 0.3 mm² × 4-core	8.0 mm	Shielded
Microphone cord (MVVS) 0.2 mm² × 4-core	6.5 mm	
Microphone cord (MVVS) 0.15 mm² × 4-core	4.8 mm	
Intercom cable 0.65 mm² dia. × 4-core		
PVC jumper wire (TJVC) (from 0.5 mm dia. × 4 pcs.)	—	Not sheathed

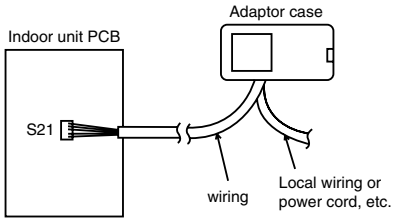
Note 1: Keep any wiring for the control unit away from the power cord to prevent electrical noise.
Note 2: Do not use cables shown above for power cord, inter-unit cord/cable or power cord for lamps.

Installation

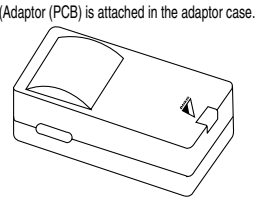
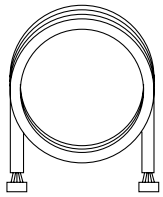
This product is available in two types. The **KRP413A1S · KRP413AA1S** is for installation in a case independent of the indoor unit, and the **KRP413A1** is for installation within the indoor unit.

1. KRP413A1S · KRP413AA1S

1 Installation diagram



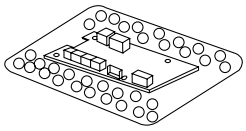
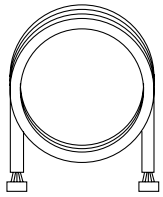
2 Components

① Adaptor case assy (Adaptor (PCB) is attached in the adaptor case.)	② Wiring (approx. 0.8 m)
	
③ Accessories • Binding band (4 pcs.) • Securing tape for attaching to the indoor unit (2 sets) • Screws for attaching the adaptor case (4 pcs.) • Screws for attaching to the wall (3 pcs.)	
④ Installation manual	

2. KRP413A1

For this type, install the adaptor PCB within the indoor unit. The method of installation and connection vary depending on the model of the air conditioner. See your air conditioner installation manual for details.

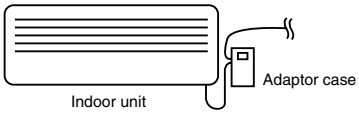
1 Components

① Adaptor PCB	② Wiring (approx. 0.25 m)
	
③ Installation manual	

3. Attaching Adaptor Case Assy (for KRP413A1S · KRP413AA1S)

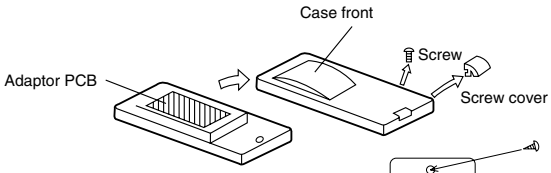
1 Using the screws (to mount on a wall, etc.)

- Use the 3 supplied screws to attach the case assy .



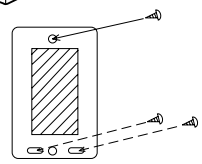
Install the adaptor case assy as close to the indoor unit as possible.

① Removing case front

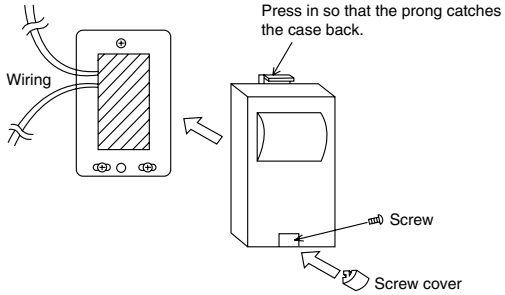


Remove the screw cover, one of the screws and then the case front.

② Attach the case back to the surface by tightening the screws through the screw holes (one round hole, two long holes).



③ After connecting the cables (refer to the following sections), replace the case front. Be careful not to damage the wiring in the case.



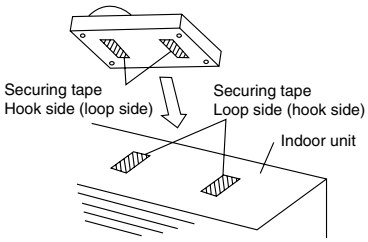
2 Using securing tape (to attach on the indoor unit)

- Attach the adaptor case with the supplied securing tape.

① Remove the case front (as for mounting on a wall).

② After connecting the cables (see the following sections), replace the case front. It can be screwed to the case back from the rear with the four supplied screws.
Be careful not to damage the wiring in the case.

③ Attach the hook side (loop side) of the included securing tape to the rear surface of the HA case, then attach the loop side (hook side) to the top of the air conditioner unit spaced at the same intervals.



To prevent the adaptor case assy from falling, do not use the securing tape for attaching it to a wall or other surface.

6

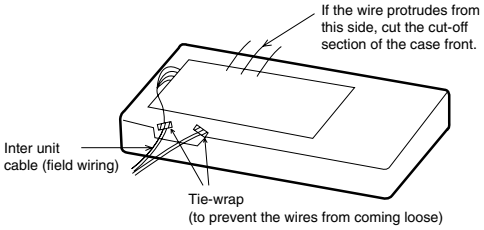
Wiring

1. Wiring

① Connect one end of the wiring to connector S21 of the PCB in the indoor unit.
② Connect the other end of the wiring to connector S6 of the adaptor PCB.
③ Connect field wiring according to the functions assigned to each connection terminal of the adaptor PCB.
④ Secure all wires.

1 Securing wires in the adaptor case assy (for KRP413A1S · KRP413AA1S)

- Fasten with a tie-wrap so that wires will not come loose even if pulled.



2 Securing wires in the indoor unit (for KRP413A1)

- The method for securing wire varies depending on the model of the air conditioner. See your air conditioner installation manual for details.

2. Automatic Reset After Power Failure

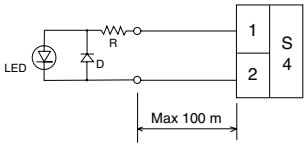
- This PCB stores the following data in the event of a power failure (common features).

① On/Off (see Note 1) ② Operation modes ③ Temperature setting
④ Air flow rate ⑤ On/Off status of remote controller
(Note 1 When SW1-2 is in Off mode, the unit will not be activated.)

3. Monitor Signal Output (normal operation and malfunction)

- Maximum length of the wiring is 100 m.

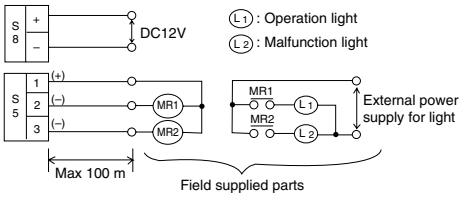
1 Monitor signal output for LED



■ Locally procured parts

Item	Manufacturer	Type
LED	Toshiba	TLG208 (green) TLR208 (red)
D	Rohm	1S2473
R		510 ohm 1/4W

2 Monitor signal output (normal operation and malfunction)using external relay contacts



■ Field procured parts (Recommended external relay contacts)

Manufacturer	Type	Coil rated voltage	Coil resistance
Omron	MY relay	12 V DC	160 ohm ± 10%
Matsushita	HC relay	12 V DC	160 ohm ± 10%

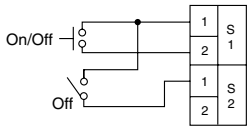
4. Connection with Remote Controller

Example connections with three kinds of remote controllers are shown bellow.
Note: These connections cannot be used in combination.

1 Generic remote controller

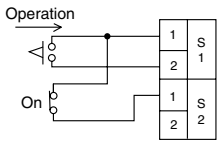
- Set SW1-1 to Off and select Operation Mode 1.

<Instantaneous Contact>



- The remote controller most recently used (local or air conditioner) takes precedence.
- Use a remote controller with a pulse width of 100 msec or more.

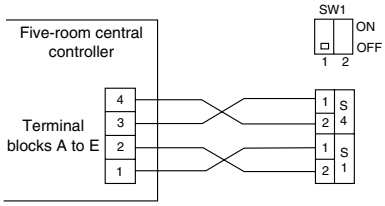
<Normal Contact>



- Power On/Off cannot be controlled from the unit's remote controller.
- When power is restored after a power failure in this mode, On or Off is determined according to the current settings of the remote controller.

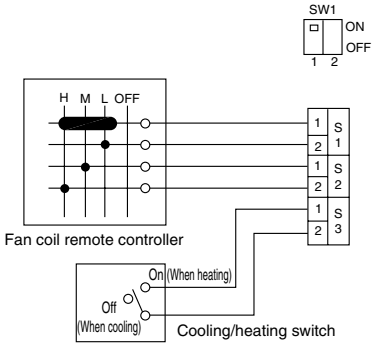
2 Five-room central controller (KRC72)

- Set SW1-1 to Off and select Operation Mode 1.
- The remote controller most recently used takes precedence.



3 Fan coil remote controller

- Set SW1-1 to On and select Operation Mode 2.
- Most settings (power On/Off, air flow rate, mode change) cannot be made using the air conditioner's remote controller.
- When power is restored after a power failure in this mode, On or Off is determined according to the current settings of the remote controller.
- When the Cooling /Heating mode is changed, use the air conditioner's remote controller to adjust the temperature.

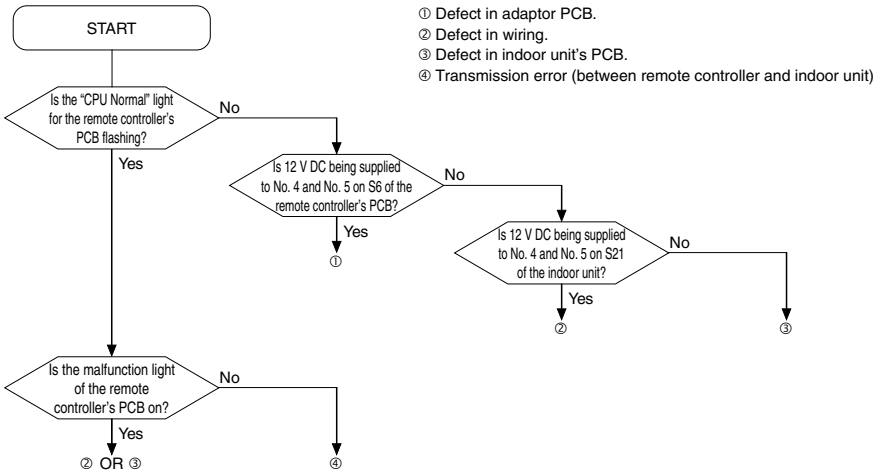


Test Operation and Confirmation

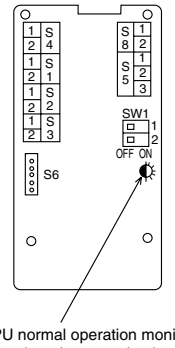
1. When the System is Not Working

☐ Is the air conditioner working properly?
☐ Are the connectors of the wiring properly connected?
☐ Are the remote controller and field wiring properly connected?
☐ Are all switch settings correct?
☐ If there is nothing apparently wrong, conduct a diagnostic check using the following procedure.

■ Diagnostic check



2. Switch Settings and Connection Terminals



CPU normal operation monitor
(Flashes when the operation is normal.)

SW1-1	Selecting the operation mode	OFF	Operation mode 1 (Used with the exception of fan coil remote controller settings)	
		ON	Operation mode 2 (Used with fan coil remote controller settings)	
SW1-2	Selecting On/Off when power is restored after a power failure	OFF	Always Off	
		ON	Off if operation was in Off mode before power failure; On if operation was in On mode before power failure	
S1 S2 S3	SW1-1: OFF (Operation mode 1)		Instantaneous contact	Normal contact
		S1 (1) - S2 (1)	OPEN	CLOSE
		S1 (1) - S1 (2)	Pulse input On/Off switching	OPEN, Not activated
				CLOSE, Activated
		S2 (2), S3	Not used	
	SW1-1: ON (Operation mode 2)	S1, S2 OPEN	Not activated	
		S1 (1) - S1 (2) CLOSE	On, airflow: L tap	
		S1 (1) - S2 (1) CLOSE	On, airflow: M tap	
		S1 (1) - S2 (2) CLOSE	On, airflow: H tap	
		S3 (With the remote controller only)	OPEN, Cooling	
			CLOSE, Heating	
S4	(1) - (2)	Voltage on (DC12 V), normal operation light output		
S5	(1) - (2)	Normal operation light output (power for light required)		
	(1) - (3)	Malfunction light output (power for light required)		
S6 connector		Connect with connector S21 on the PCB of the indoor unit		
S8	(+) - (–)	Relay DC 12 V power supply terminal (Field supplied parts)		

6

2P031616-1B

1.2.2 KRP928B2S

Safety Precautions

- Read these Safety Precautions carefully to ensure correct installation. This manual classifies precautions into WARNING and CAUTION.

⚠**WARNING :** Failure to follow WARNING is very likely to result in such grave consequences as death or serious injury.

⚠**CAUTION :** Failure to follow CAUTION may result in serious injury or property damage, and in certain circumstances, may result in a grave consequence.

Be sure to follow all the precautions below ; they are all important for ensuring safety.

⚠ WARNING

- **Installation should be left to the dealer or another qualified professional.**
  Improper installation by yourself may cause malfunction, electrical shock, or fire.
- **Install the set according to the instructions given in this manual.**
  Incomplete or improper installation may cause malfunction, electrical shock, or fire.
- **Be sure to use the standard attachments or the genuine parts.**
  Use of other parts may cause malfunction, electrical shock, or fire.
- **Disconnect power to the connected equipment before starting installation.**
  Failure to do so may cause malfunction, electrical shock, or fire.

⚠ CAUTION

- **An earth leakage circuit breaker should be installed.**
  If the breaker is not installed, electrical shock may occur.
- **Do not install the set in a location where there is danger of exposure to inflammable gas.**
  Gas accumulated around the unit at the worst may cause fire.
- **To prevent damage due to electrostatic discharge, touch your hand to a nearby metal object (doorknob, aluminum sash, etc.) to discharge static electricity from your body before touching this kit.**
  Static electricity can damage this kit.
- **Lay this cable separately from other power cables to avoid external electrical noises.**

- After installation is complete, test the operation of the PCB set to check for problems, and explain how to use the set to the end-user.

1.Overview, Features and Compatible Models

This kit is the interface required when connecting the central controller and a Daikin Room Air Conditioner. Use of the central controller makes it possible to perform the following monitoring and operations. It is compatible with room air conditioners which have an HA connector S21.

1. Run / stop for the central controller and wired remote controller, operating mode selection, and temperature can be set.
2. The operating status, any errors, and the content of those errors can be monitored from the central controller and wired remote controller.
3. Run / stop for the central controller and wireless remote controller, operating mode selection, and the temperature setting can be limited by the central controller.
4. Zone control can be performed from the central controller.
5. The unit can remember the operating status of the air conditioner before a power outage and then start operating in the same status when the power comes back on.
6. Card keys, operating control panels, and other constant / instantaneous connection-compatible equipment can be connected.
7. The Operating / error signals can be read.
8. HA JEM-A-compatible equipment can be connected.
9. The indoor temperature can be monitored from the Ve-up controller.

Precaution
1. When reading the Operating / error signals, a separate external power source (DC 12V) is needed.
2. A separate timer power source (DC 16V) is needed when using the schedule timer independently, and not in conjunction with other central controllers.
3. The range of temperatures that can be set from the central controller is 18°C to 32°C in cooling and 14°C to 28°C in heating.
4. Fan operation cannot be selected from the central controller or wired remote controller.
5. Group control (i.e., control of multiple indoor units with a single remote controller) is not available.
6. Monitoring is not available of the thermo status, compressor operating status, indoor fan operating status, electric heater, or humidifier operating status.
7. Forced thermo off, filter sign display and reset, fan direction and speed settings, air conditioning fee management, energy savings instructions, low-noise instructions, and demand instructions cannot be made.

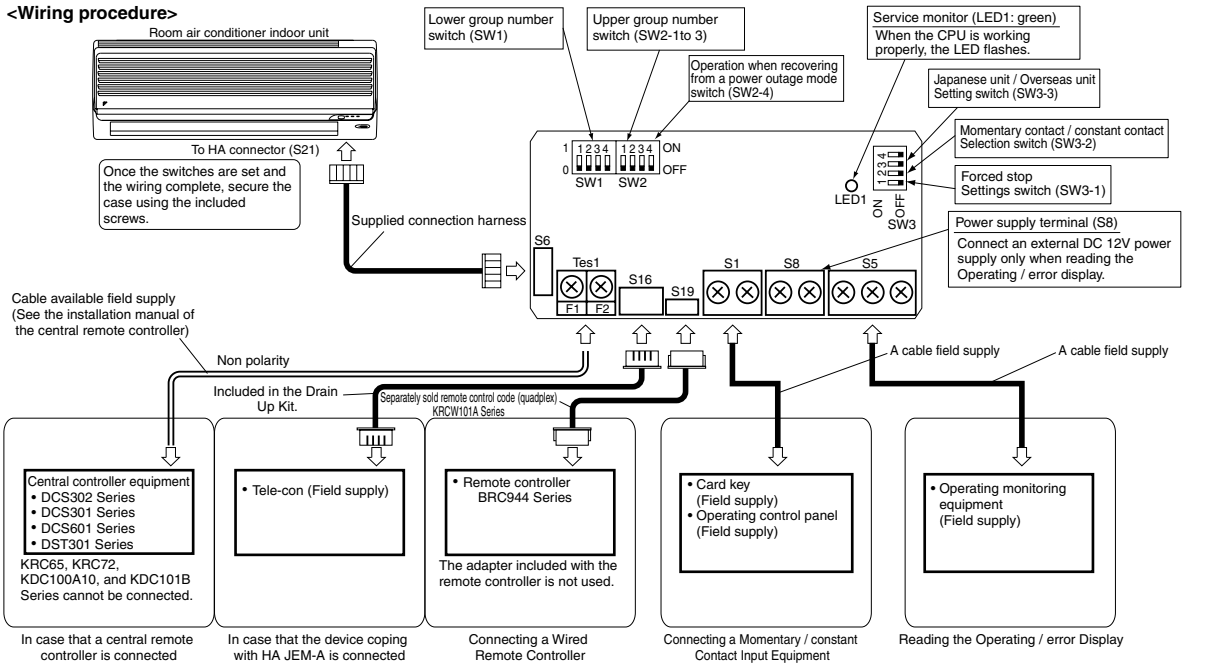
2.Component Parts and Separately-Sold Parts which are Required

This kit includes the following components. Check to ensure that none of these are missing.

Parts	Q'ty	Parts	Q'ty
Kit assy PCB is in the housing. Screw cover	1	Connection harness (about 1.6m)	1set
		Mounting screws	3pcs.
		Binding band	1pc.
		Installation manual	1set

3.Names of Parts and Electric Wiring

<Wiring procedure>



4.Switch Settings

NOTE	Turn the power on after all the switches have been set. Settings made while the power is on are invalid.

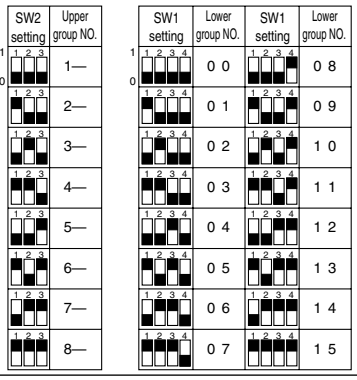
Open the Kit's case and set the switches on the circuit board.

(1) For Overseas / Japanese unit setting (SW3-3)
Room air conditioners, different methods are used for setting the temperature in automatic mode, so this switch needs to be set.

Destination	SW3-3 setting	What Happens
Japan	OFF (Factory setting)	• "Automatic" operation is not available from the central controller. When using "automatic" operation using the wireless remote controller, the central controller displays automatic cooling (heating) and 25°C. Even if the temperature is changed, it will return to 25°C after a while.
Overseas	ON	• "Automatic" operation is available from the central controller.

(2) Group number settings (SW1 and SW2-1 to SW2-3)
Set these when using the central controller. (Set to the ■ side.) Do not set more than one unit to the same number.

However, these settings do not need to be made when using the schedule timer independently.
(The settings are needed when used in conjunction with another DCS Series central controller.)
In this case, the schedule timer performs an auto address after the power is turned on, so new group numbers are automatically set. Settings made using the switches will be overwritten.



NOTE also that a separate timer power source is needed when using the schedule timer independently.
Power source specs: DC 16V, +10%, -15%, 200mA.
Recommended power source: Omron S82J-01015A. (Should be used with the output voltage adjusted to the center, DC 16V.)

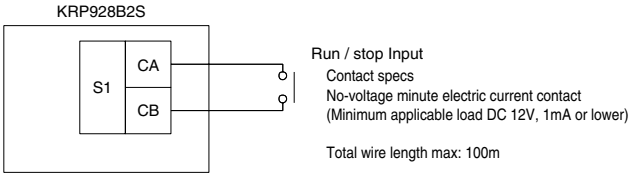
(3) Settings when recovering from a power outage (SW2-4)
This selects whether to restart operation when the power comes back on after a power outage occurred during operation. This setting is given priority in cases where the indoor unit has an auto start ON / OFF jumper. Note also that regardless of whether switch SW2-4 is on or off, the operating mode, set temperature, fan direction and speed settings, and remote control prohibition status are stored.

SW2-4 setting	What Happens
OFF (Factory setting)	Stops after recovering from a power outage
ON	Stops if the unit was stopped before the power outage and runs if it was running.

(4) Contact input function settings (SW3-1 to SW3-2)
When using contact input (S1), choose one of the following functions.

S1 operating mode	SW3-1 setting	SW3-2 setting	What Happens	Control mode
Instantaneous contact input (factory setting)	OFF	OFF	The operating status of the air conditioner is reversed by an instantaneous input of 100 msec or more.	Last command priority
Constant contact input		ON	Contact - Open to close: air condition runs. Close to open: air conditioner is stopped (NOTE 1).	ON / OFF control is rejected (operate / stop / timer prohibition) (NOTE 2).
Forced stop or remote controller permission input	ON	Invalid	Contact - Open to close: air condition stops (forced stop). Close to open: no change in operating status.	During a forced stop, all remote controller actions are prohibited.

NOTE1: Since central equipment and HA JEM-A-compatible equipment both use last command priority, the contact status and operating status of the air conditioner might not match sometimes.
Example: If the unit is run from the central controller while the air conditioner is stopped with an open contact, the contact will be open and the unit will be running.
NOTE2: Operating mode and fan direction and speed settings can be changed.



5.Control Codes

When using a central remote controller, the operating codes can be used to limit operation from wireless remote controllers.
○ : permitted; × : prohibited

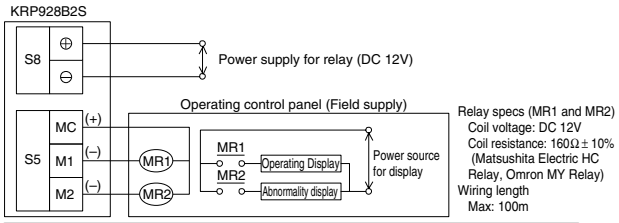
S1 operating mode	Control mode	Control code	Operations from the remote controller: "Run" control from the central controller: Run / timer	Stop	Operating mode temperature	Fan direction and fan speed	"Stop" control from the central controller: Run / timer	Stop	Operating mode temperaturet	Fan direction and fan speed	Operations from central controller, contact input and HA JEM-A input
Instantaneous contact mode	ON / OFF control is rejected	0,1,3	×	×	○	○	×	×	○	○	○
		10,11	×	×	×		×	×	×		
	Only OFF control is accepted	2 12–19	×	○	×		×	○	×		
	Central priority	4	○	○	○		×	○	×		
		5	○	○	○		×	×	○		
	Last command priority	6,7	○	○	○		○	○	○		
	Timer operation is accepted by remote controller	8	○	○	○		×	○	×		
			(Only during timer operation)								
		9	○	○	○		×	×	○		
			(Only during timer operation)								
Constant contact mode			×	×	○		×	×	○		
Forced stop			×	×	×	×	×	×	×	×	

The remote controller permission / prohibition settings using the Ve-up controller are as follows.
○ : permitted; × : prohibited

S1 pin operating mode	Ve-up controller settings: Start / stop	Change operating mode	Change set temperature	Operations from the remote controller: Run / timer	Stop	Operating mode temperature	Fan direction and fan speed	Operations from central controller, contact input and HA JEM-A input
Instantaneous contact mode • Constant contact mode	ON / OFF control is rejected	permitted	permitted	×	×	○	○	○
			prohibited	×	×	○		
		prohibited	permitted	×	×	×		
			prohibited	×	×	×		
	Only OFF control is accepted	permitted	permitted	×	×	○		
			prohibited	×	○	×		
		prohibited	permitted	×	○	×		
			prohibited	×	○	×		
Instantaneous contact mode	Last command priority	permitted	permitted	○	○	○		
			prohibited	○	○	○		
		prohibited	permitted	×	○	×		
			prohibited	×	○	×		
Constant contact mode		permitted	permitted	×	×	○		
			prohibited	×	×	○		
		prohibited	permitted	×	×	×		
			prohibited	×	×	×		
Forced stop	Does not affect settings			×	×	×	×	

6.Read Operating / Error Display Signal

The Operating / error signals can be read from the contact output (S5).
Output specs
M1: Turn MR 1 ON when the air conditioner is running.
M2: Turn MR 2 when a communication error has occurred between the KRP928B2S and the air conditioner, or MR 1 is ON and the unit has stopped after an error.
MR 2 is not turned ON during a warning.



7.Combining Equipment

The central controller can be combined with the following devices.

	Central Remote Controller	ON / OFF controller	Schedule timer	D-BIPS	Forced stop contact input	Constant contact input	Instantaneous contact input	HA JEM-A-compatible equipment	Wired Remote Controller	Wireless Remote Controller
Central Remote Controller	○	○	○	○	○	○	○	○	○	○
ON / OFF controller	○	○	○	○	○	○	○	○	○	○
Schedule timer	○	○	×	×	○	○	○	○	○	○
D-BIPS	○	○	×	×	○	○	○	○	○	○
Forced stop contact input	○	○	○	○	×	×	×	○	○	○
Constant contact input	○	○	○	○	×	×	×	○	○	○
Instantaneous contact input	○	○	○	○	×	×	×	○	○	○
HA JEM-A-compatible equipment	○	○	○	○	○	○	○	×	○	○
Wired Remote Controller	○	○	○	○	○	○	○	○	×	×
Wireless Remote Controller	○	○	○	○	○	○	○	○	×	○

3P157704-2A

1.2.3 KDT25N32 / KDT25N50 / KDT25N63

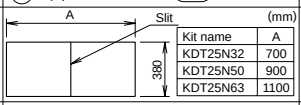
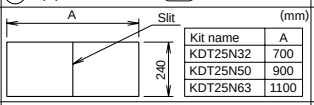
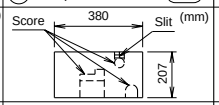
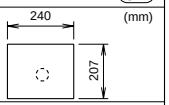
Caution

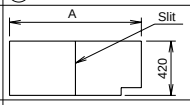
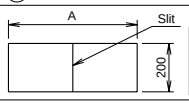
- This kit can be installed to the Ceiling mounted Built-in Type Air Conditioners. <Slim duct type>
- When the Installation box for adapter PCB(KPP1B101) is used together, mount this kit before Installation box.
- It is recommended to mount this kit before installing the indoor unit.

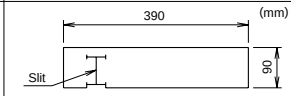
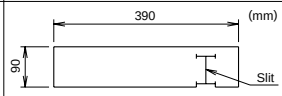
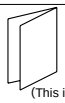
Combination table

	Kit name		
The indoor unit model applied	KDT25N32	KDT25N50	KDT25N63
Room Air Conditioners	CDK(X)D(S)25 • 35EAVM(A)(T)	CDK(X)D(S)25 • 35 • 50C(D)VM(A)(T)	CDK(X)D(S)60C(D)VM(A)(T)
VRV	FXD(Q)20 • 25 • 32PVE(T)(5)	FXD(Q)20 • 25 • 32 • 40 • 50M(N)VE(T)(5)	FXD(Q)63M(N)VE(T)(5)

Details of parts

Designation	① Top plate insulation (T-1)	② Top plate insulation (T-2)	③ Side plate insulation (S-1)	④ Side plate insulation (S-2)
Shape	 Kit name / A: KDT25N32 / 700; KDT25N50 / 900; KDT25N63 / 1100	 Kit name / A: KDT25N32 / 700; KDT25N50 / 900; KDT25N63 / 1100		
Number of pieces	1	1	2	1

Designation	⑤ Bottom plate insulation (B-1)	⑥ Chamber cover insulation (C-1)
Shape	 Kit name / A: KDT25N32 / 704; KDT25N50 / 904; KDT25N63 / 1104	 Kit name / A: KDT25N32 / 621; KDT25N50 / 821; KDT25N63 / 1021
Number of pieces	1	1

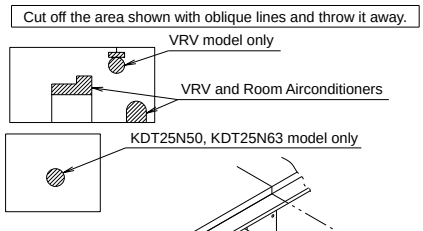
Designation	⑦ Hanger (right) insulation (H-1)	⑧ Hanger (left) insulation (H-2)	⑨ Installation manual
Shape			 (This instruction)
Number of pieces	1	1	1

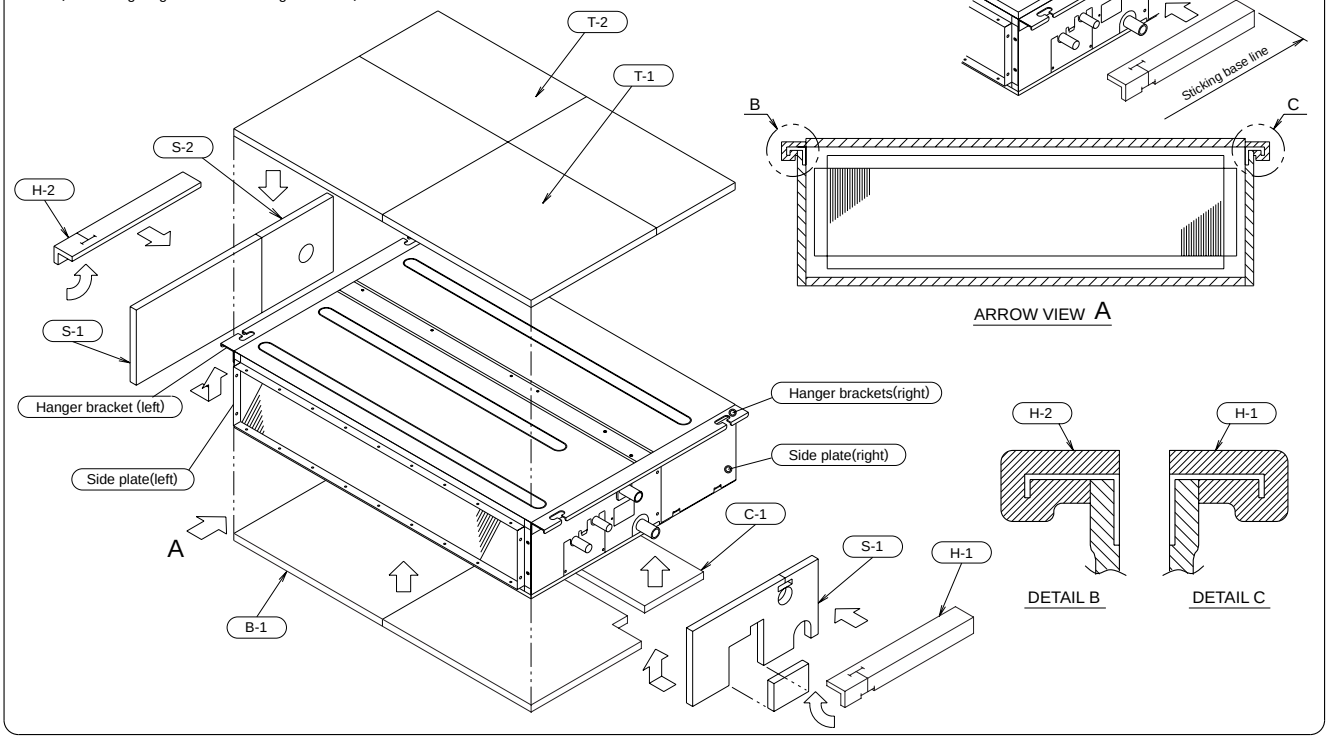
❶ How to attach

⚠ When moving the unit at or after opening, hold the unit by the hanger brackets.
Do not apply force to the refrigernat piping, drain piping or flange parts.

<Procedure> Stick the insulations carefully according to the following procedures and do not make a gap between the adjacent thermal insulations.

(1) Stick the top plate insulation (T-1), (T-2) to the indoor unit top plate.
(2) Cut off the side plate insulation (S-1) following the score.(See the right figure)
(3) Stick the side plate insulation (S-1) to the indoor unit right side plate.
(4) Stick the side plate insulation (S-1) to the indoor unit left side plate without cutting off the area surrounded by the score.
(5) Stick the side plate insulation (S-2) to the indoor unit left side plate.
(6) Stick the bottom plate insulation (B-1) to the indoor unit bottom plate.
(7) Stick the chamber cover insulation (C-1) to the indoor unit chamber cover.
(8) Stick the hanger (left) insulation (H-2) and the hanger (right) insulation (H-1) respectively to the left and right hangers respectively.
(See the right figure for the sticking base line.)





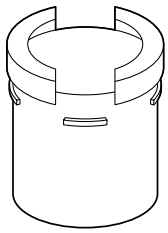
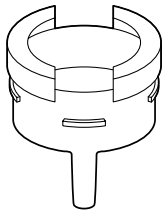
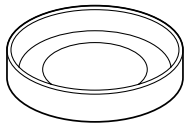
3P131323-1C

1.2.4 KKP945A4

- Use this socket to connect a drain hose to dispose the drain from the outdoor unit.

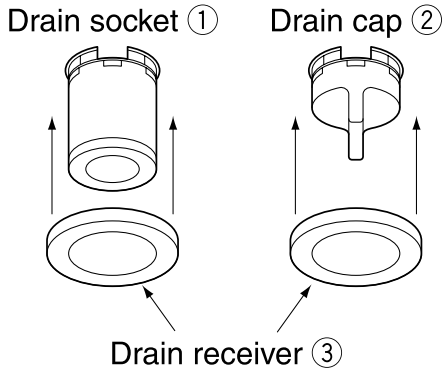
Before Installation

Check that this kit contains the following parts.

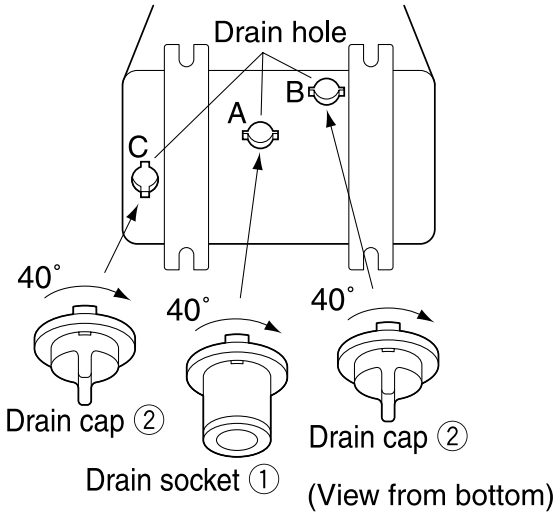
Name	① Drain socket	② Drain cap	③ Drain receiver
Shape			
Quantity	1 piece	2 pieces	3 pieces

Installation Procedure

1. Check to make sure the outdoor unit drain hole is not hidden by the installation support or the floor.
   Note) 1. If the drain holes of the outdoor unit are covered with the mounting bracket or the floor, raise the unit to provide the space of more than 100mm under the leg of the outdoor unit.
   2. Check the installation position with the outside drawing.
2. Insert drain receiver ③ onto drain socket ① and drain cap ② beyond 4 projections around drain socket.



3. Insert drain socket ① into the drain hole A and drain caps ② into the drain hole B and C on the unit's bottom frame. After insertion, turn them about 40˚ clockwise.



4. Connect vinyl hose on the market (internal diameter of 25mm) to drain socket ① .

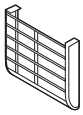
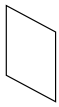
   (If the hose is too long and hangs down, fix it carefully to prevent the kinks.)

3P089958-1B

1.2.5 KPW945A4

■ Before installation

Check the following parts

Name	Louver	Truss tapping screw	Installation manual
Shape			
Quantity	1piece	M4x4screws(max.7.5kW class) M5x4screws(8.0/9.0kW class)	1piece

■ Installation Procedure

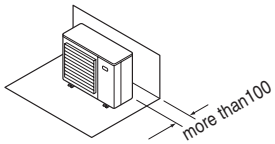
Selection of Installation Location

Use when installing in a location that meets the following conditions.

- When installing near the border to a neighbor's house
- If exhaust blows directly on passers-by because outdoor unit is installed facing a road.
- If exhaust blows directly on vegetation

Space Needed for Installation

- **A minimum of 100mm is needed between the back of the outdoor unit and any obstructions (walls, etc.)**



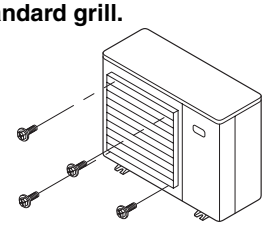
Installation of Louvers

⚠ Caution

Attach the louvers overlapping the standard grill.
Installing the louvers without the grill would allow hands to enter the fan area, which is dangerous, so be sure to install the standard grill.

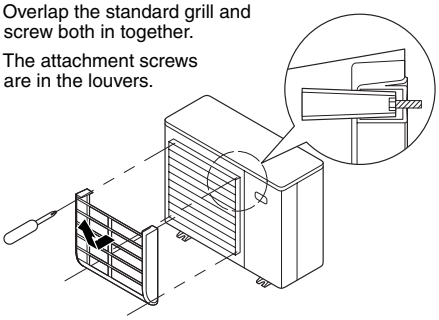
When pointing up

(1) Remove the 4 attachment screws from the standard grill.

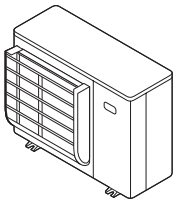


(2) Install the louver pointed up.

- Overlap the standard grill and screw both in together.
- The attachment screws are in the louvers.

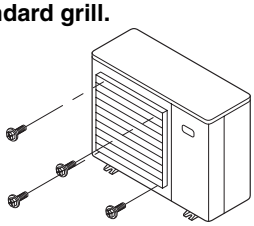


(3) Installation complete



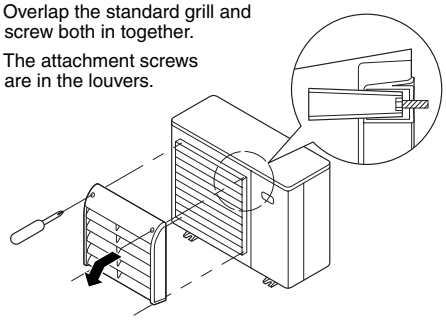
When pointing down

(1) Remove the 4 attachment screws from the standard grill.

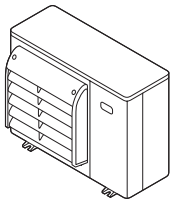


(2) Install the louver pointed down.

- Overlap the standard grill and screw both in together.
- The attachment screws are in the louvers.



(3) Installation complete



3P089958-2C

Warning

- Daikin Industries, Ltd.'s products are manufactured for export to numerous countries throughout the world. Daikin Industries, Ltd. does not have control over which products are exported to and used in a particular country. Prior to purchase, please therefore confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

JMI-0107

JQA-1452

About ISO 9001

ISO 9001 is a plant certification system defined by the International Organization for Standardization (ISO) relating to quality assurance. ISO 9001 certification covers quality assurance aspects related to the "design, development, manufacture, installation, and supplementary service" of products manufactured at the plant.

EC99J2044

About ISO 14001

ISO 14001 is the standard defined by the International Organization for Standardization (ISO) relating to environmental management systems. Our group has been acknowledged by an internationally accredited compliance organisation as having an appropriate programme of environmental protection procedures and activities to meet the requirements of ISO 14001.

Dealer

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