FVI (D-Series) DC Inverter VRF System

50Hz R410A T1/T3

fujipure Breathe In Life

FUJIAIRE Your World Made Cooler

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ABOUT

Vision

To Be The Most Innovative and Caring Air Conditioning Company in Malaysia

Mission Statement

To Provide a Full Range of Cost Competitive and Innovative Air Conditioners
To Provide a Caring Environment for Employees and Customers

Company Core Values

Building & Caring for People

- Building people through a culture of continuous learning. Striving to equip and empower every individual in the company
- Looking after the welfare of our people, treating them as family
- Sharing success with our people

Teamwork

Born out of respect, honesty and trust that engenders the sharing of knowledge and opinions in a belief that as a team, we can strive towards greater heights

Being Different & Innovative

- Committing to a culture of continuous improvement in products and processes
- Consistently looking at and boldly trying new ways of doing things
- Constantly looking to create very different and unique products and services that deliver value to our customers

FROM RESIDENTIAL AIR CONDITIONERS TO COMMERCIAL AIR CONDITIONERS

Fujiaire (M) Sdn. Bhd. was formed in 1994 by a team of technical and marketing experts from the air conditioning industry.

The common goal was to develop a line of technologically advanced and innovative air conditioning systems.

Fujiaire has since pioneered several breakthroughs in air conditioning systems. In 1996, it introduced the innovative ionizer technology. And in 2003, Fujiaire launched a line of cutting-edge air conditioners with UV air sterilizers.

From residential air conditioners to commercial air conditioners, there is now a full product range. Fujiaire's reputation as a global market player has earned it a wide clientele from 20 countries including Australia, Sweden, Germany, South Africa, India, UAE, Saudi Arabia, Iran, Kuwait, Hong Kong, China, Brunei, Vietnam and Indonesia.

Fujiaire's global expertise and commitment in research and development enhances its position as a developer of high quality, technologically advanced air conditioning products.

CORPORATE SHOWROOM

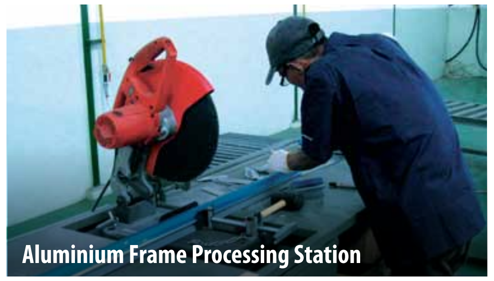
FUJIAIRE FACTORY


Copper Tube Insertion Station


Metal Stamping Station


Metal Processing Station


Metal Shearing Station


Aluminium Frame Processing Station


Air Handling Unit Production


Drilling and Mailing Station


Metal Bending Station

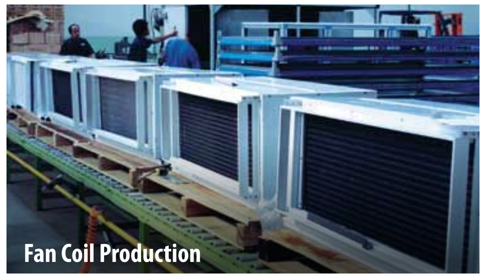
FUJIAIRE FACTORY


Outdoor Performance Testing Line


Fin Press Station


Murata CNC Turret Punch Station


R&D Testing Facilities


Fan Coil Production


Vacuuming and Gas Charging Facilities


Product Performance Test


Copper Tube Straightening and Cutting Station


Coil Welding Station

UNITS LINE UP

Mini VRF Outdoor Units

Capacity	8.0 kW	10.0 kW	12.0 kW	14.0 kW	16.0 kW	22.4 kW	26.0 kW
Pics							

Modular VRF Outdoor Units

Capacity	25.2 kW	28.0 kW	33.5 kW	40.0 kW	45.0 kW	50.4 kW	56.0 kW
Pics							

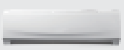
Modular VRF Full Inverter Outdoor Units

Capacity	25.2 kW	28.0 kW	33.5 kW	40.0 kW	45.0 kW
Pics					

Individual VRF Outdoor Units

Capacity	73.0 kW	78.5 kW	85.0 kW	90.0 kW
Pics				

Indoor Units

kW	Pics	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0	15.0
Four-way Cassette			●	●	●	●	●	●	●	●	●	●	●	
Ceiling & Floor					●	●	●	●	●	●	●	●	●	
Slim Duct		●	●	●	●	●	●							
Mid ESP Duct					●	●	●	●	●	●	●	●	●	●
High ESP Duct											●	●	●	●
Wall-mounted		●	●	●	●	●	●							

kW	Pics	22.0	28.0	45.0	56.0
High ESP Duct		●	●	●	●
Fresh Air Processor		●	●	●	●

NOMENCLATURE

FVI - C025LD - A21N

Features
N : Standard Unit
S : Separate EXV
B : O/D; Blue Fin, Metal Casing
G : O/D; Gold Fin, Metal Casing
P : With Drain Pump

Climates
1: T1
3: T3

Refrigerant
1 : R22
2 : R410A

Power Supply
A : 220-240V / 50Hz / 1PH
L : 208-230V /60Hz / 1PH
E : 380-415V /50Hz / 3PH
F : 380-415V /60Hz / 3PH
H : 208-230V /60Hz / 3PH

Product Design Series
D : D series
DX : Full Inverter D Series

Static Pressure
L : Low Static
M : Medium Static
H : High Static
Omitted : Free Blow

Capacity
008: 8,000 Btu/hr
010: 10,000 Btu/hr
013: 13,000 Btu/hr
016: 16,000 Btu/hr
018: 18,000 Btu/hr
020: 20,000 Btu/hr
...
800: 800,000 Btu/hr

Outdoor Unit or Indoor Unit
L : Outdoor Unit
C : Slim & Medium Static Ducted
D : High Static Ducted Blower
E : Ceiling & Floor
T : 4-way Cassette
K : Compact Cassette
W : Wall Mounted

VRF System
VA : Fresh Air Processing Unit
VI : DC Inverter
VN : Individual Unit

Brand
F : Fujiaire
P : Fujipure

MAIN FEATURES

FVI DC Inverter VRF System

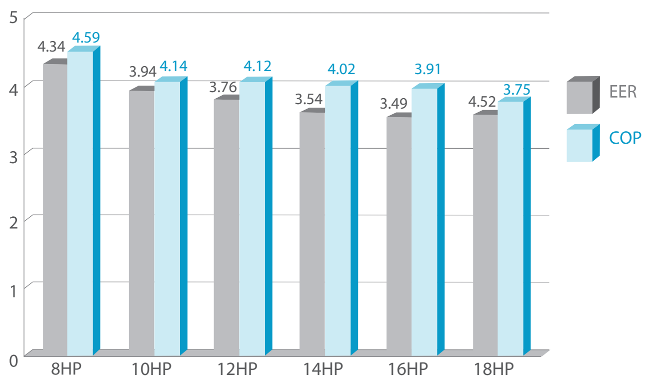
Benefits For Users

Livable environment creator

Fujiaire focuses on the basic function of an AC system: create a friendly, comfortable and pleasant living environment. New FVI DC Inverter VRF system's comfort technologies include quick cooling and heating, precise temperature control, low noise and environmental friendly refrigerant. This is how we create a livable environment for users.

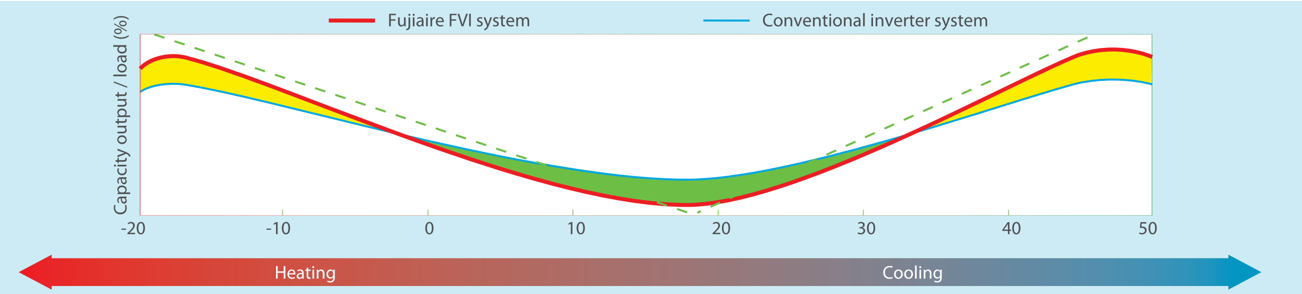
Excellent in EER and COP

Due to DC devices(compressor and motor), piping optimization design and new refrigerant control logic, the system's EER and COP significantly increase.

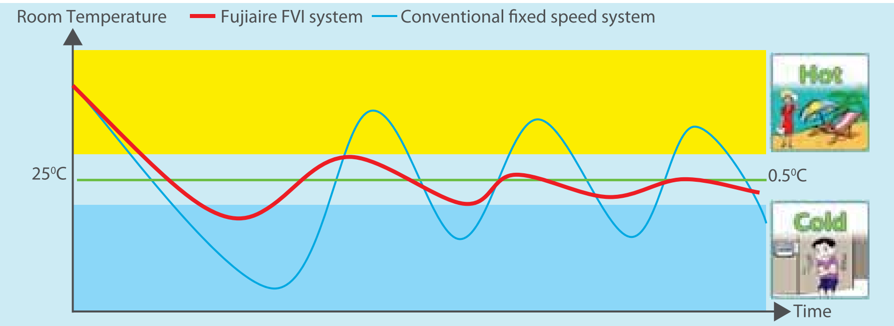


Outstanding Comfort Ability

- Fujiaire FVI system has excellent cooling & heating performance, thanks to the highly efficient DC fan motor, DC compressor and optimized refrigerant flow control logic.



- Precise room temperature control by adopting 2000 pulse EXV. Indoor temperature fluctuation can be maintained within 0.5°C to offer outstanding comfort.

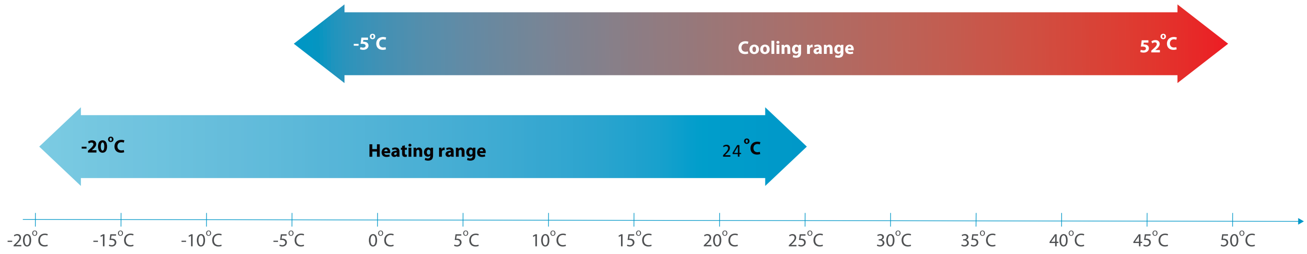


MAIN FEATURES

FVI DC Inverter VRF System

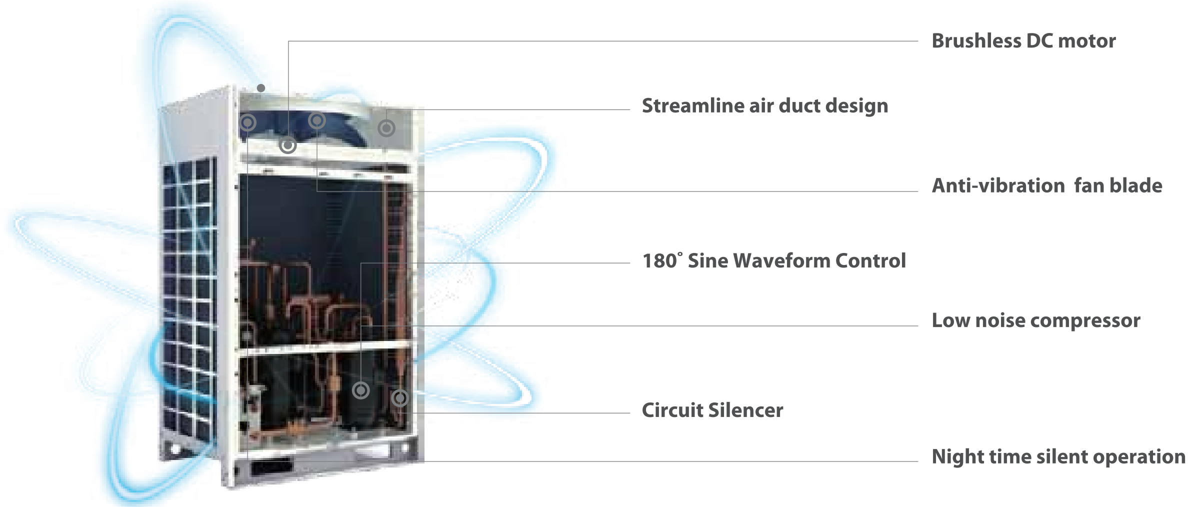
Wide Operation Range

- Cooling operating temperature is up to 52°C, suitable for the hot region.
- Heating operating temperature is down to -20°C. In the cold winter, FVI system can stably produce heat.



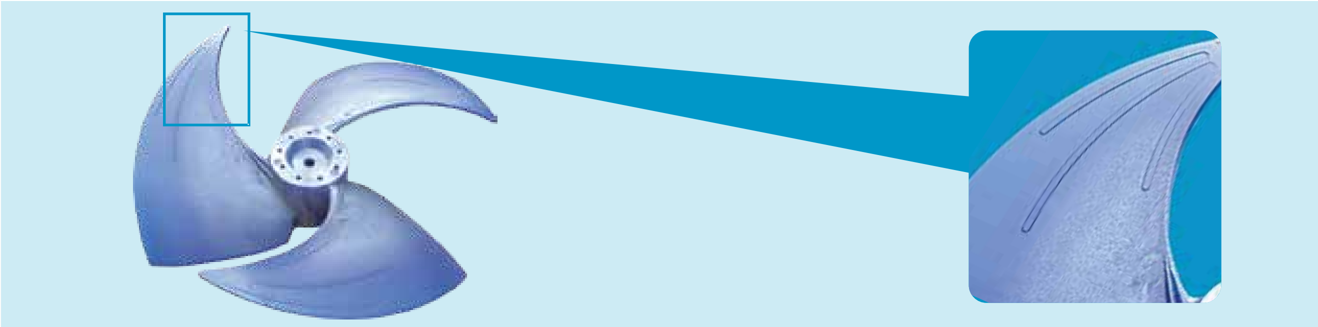
Improvements To Reduce Noise

Maximum decrease 10 dB(A) of operating sound.



Low Noise Fan Blade

- Provide high static pressure and large air volume, in the same, with low noise level.
- Specially designed to reduce the air vibration and disturbance.

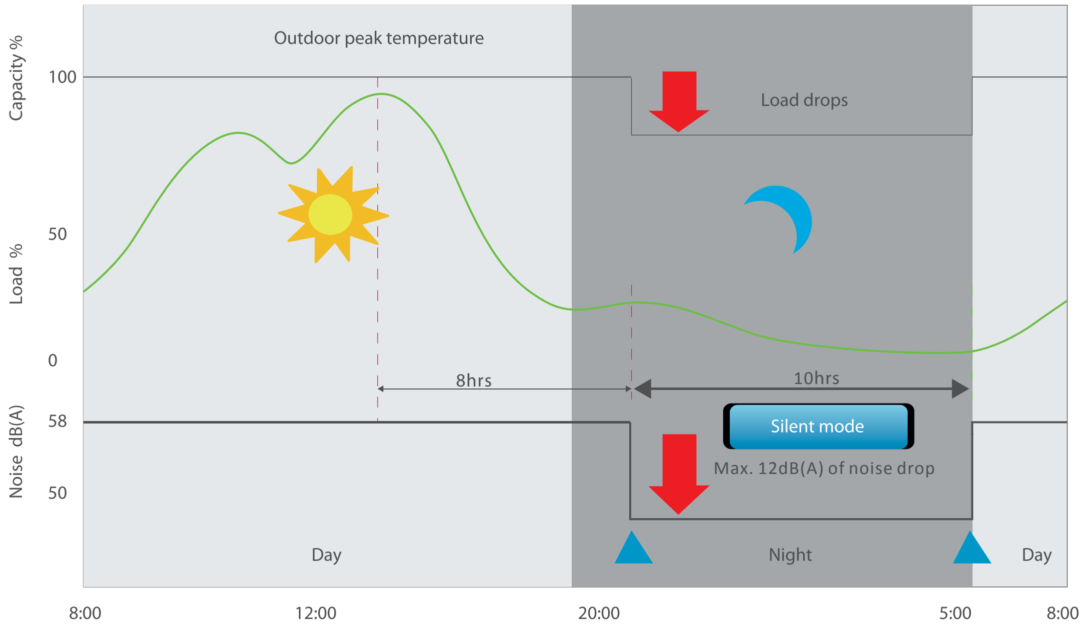


MAIN FEATURES

FVI DC Inverter VRF System

Silent Mode, Night Time Noise Control

Maximum decrease 12 dB(A) of operating sound.

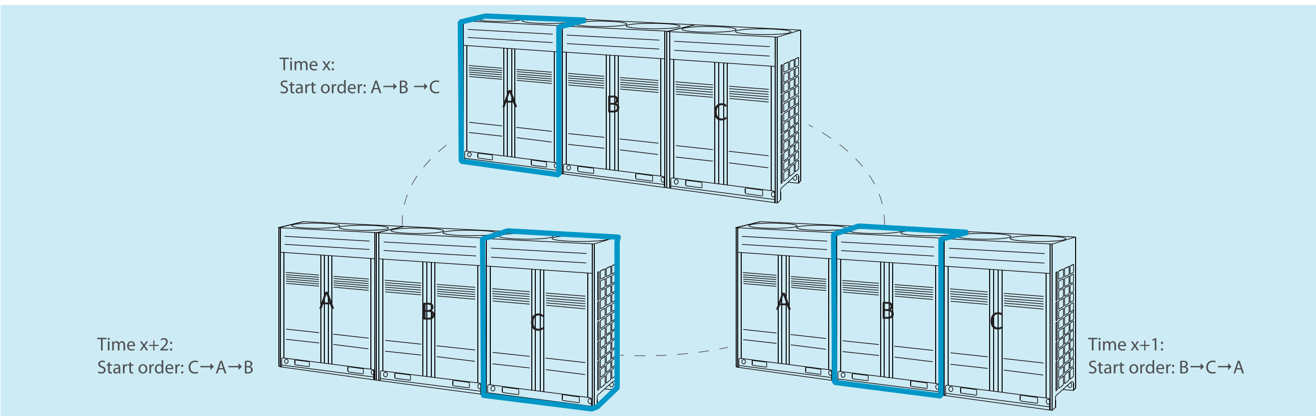


Anti-Snow Function

- In cold weather, the outdoor fan will run at intervals to prevent snow from accumulating on the fan blade. Accumulated snow will freeze and stop the rotation of the fan blade and can damage the motor.
- It only operate when temperature is lower than 0^{0}C.

All Outdoor Units Cycle Operation

- In one combination system, any outdoor unit can run as master unit.
- Balance the lifespan among outdoor units in one system.



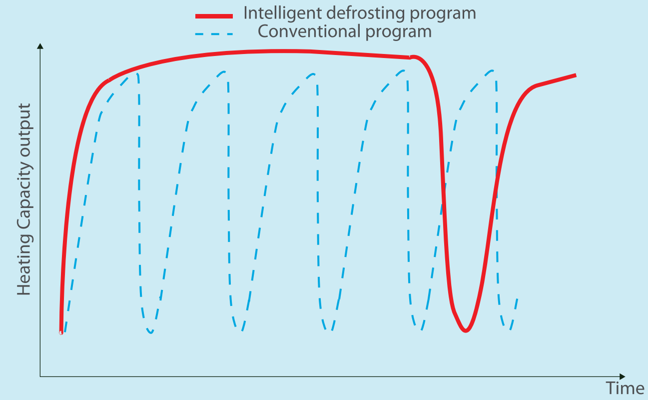
MAIN FEATURES

FVI DC Inverter VRF System

Intelligent Defrosting Program

Program starts only when unit needs to. Whereas conventional unit's defrosting timing & duration is fixed, causing fluctuations in temperature and personal comfort.

Defrostcurve



- Conventional unit's defrosting timing & duration is fixed
- Intelligent defrosting program starts according to heat exchanging efficiency & capacity change due to the frost. Less temperature fluctuations, more comfort

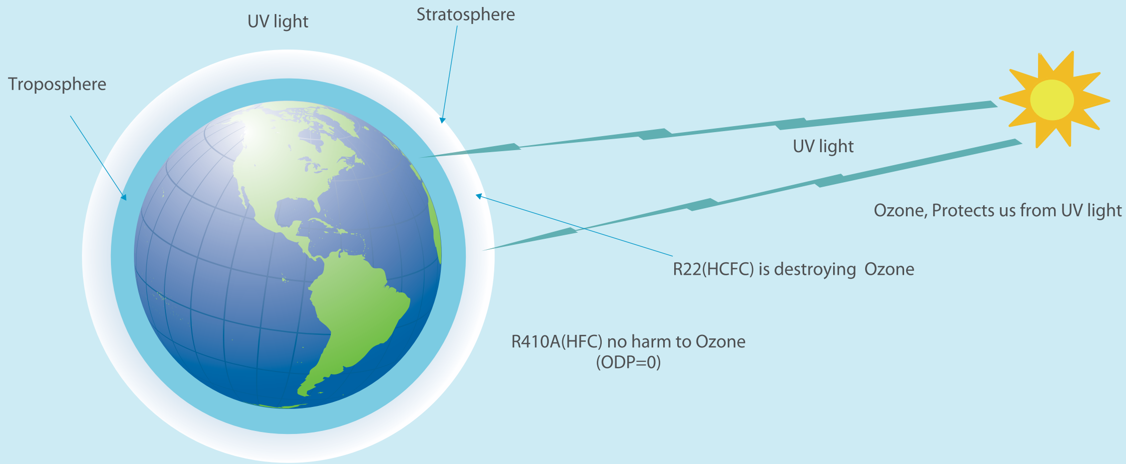
Flexible For All Kinds Of Rooms

7 types of indoor units, suitable for all kinds of rooms.

Environment Friendly

Refrigerant R410A(HFC), low carbon footprint, no harm to Ozone.

R410A(HFC), low carbon footprint, no harm to Ozone.

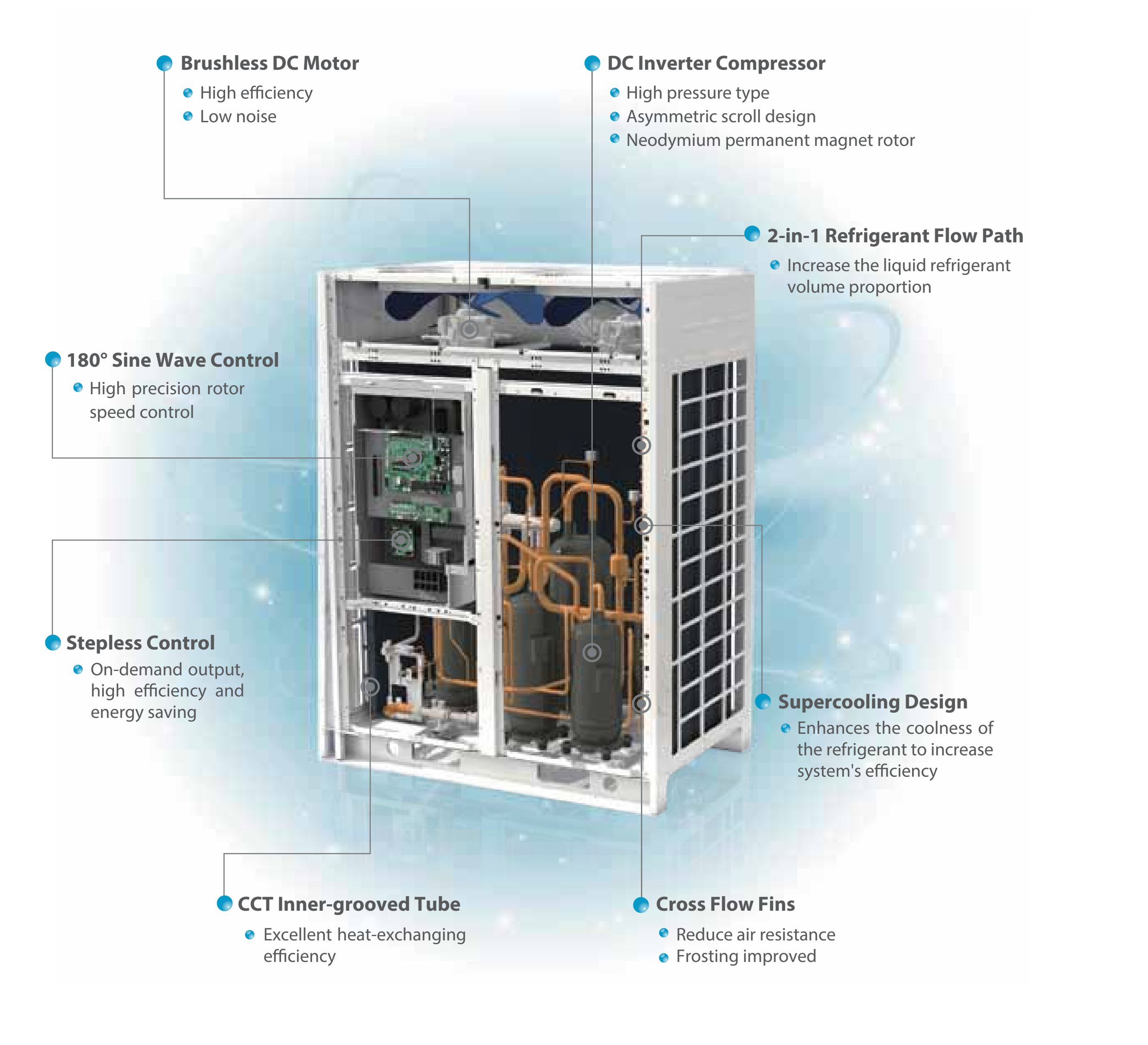


High Efficiency

low carbon life advocate

Fujiaire always focuses on low-carbon, energy-saving products development and spares no effort in technological research and development to become a practitioner and advocate of low-carbon technology!

Core Technologies Make High Efficiency



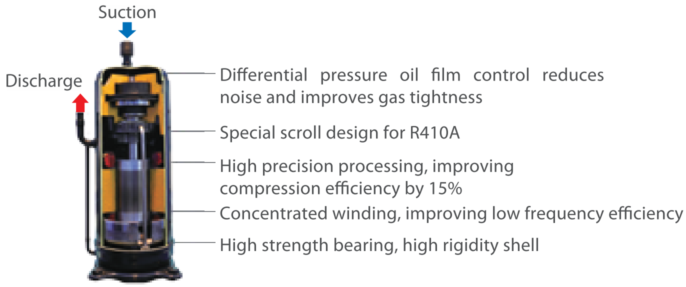
MAIN FEATURES

FVI DC Inverter VRF System

High Efficiency DC Inverter Compressor

- High performance inverter compressor manufacturer.
- R410A eco-friendly refrigerant.
- Small torque fluctuation, low vibration and quiet operation.
- High efficiency due to its patented internal structure design.
- Internal oil circulation structure.
- Highly reliable.
- Wide rotation speed range.

- High pressure chamber
  - Has small suction for heat and high refrigerant volume efficiency
  - Has large refrigerant discharge, buffer volume, low vibration and noise



- Neodymium permanent magnet rotor, has powerful magnetic force, large torque and high efficiency.
- Concentrated winding,improving low frequency effciency.

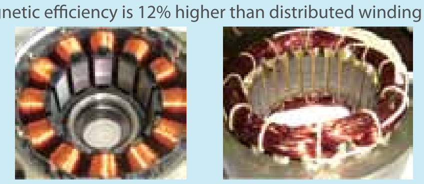
Neodymium permanent magnet rotor

Powerful magnetic force, large force moment and high efficiency

Ferrite magnet   Neodymium permanent magnet

Concentrated winding

Magnetic efficiency is 12% higher than distributed winding



Concentrated winding   Distributed winding

High Efficiency DC Motor

- High efficiency DC fan motor.
- Low noise and highly efficient because of high-density wire winding engineering.
- Brushless with built-in sensor.

DC fan motor

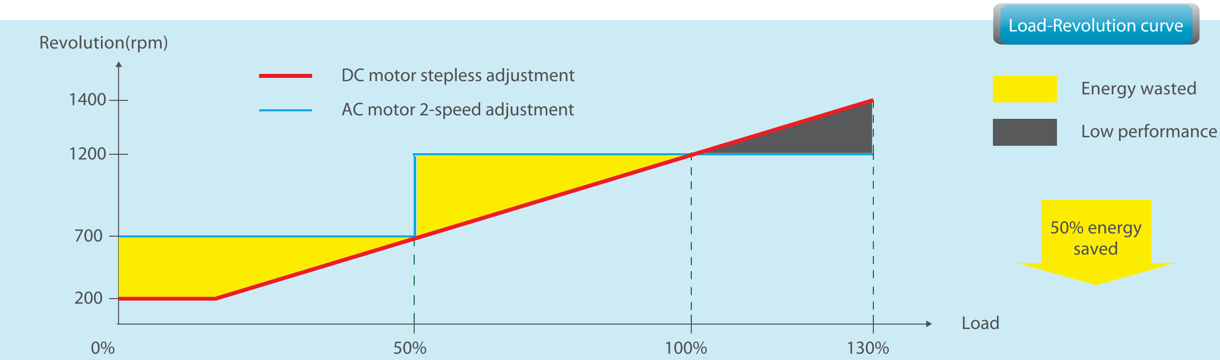
AC fan motor

- Low efficiency
- Loud noise
- Not adjustable

Stepless Control

DC fan motor can be stepless controlled by outdoor PCB according to system's operating pressure. And it is able to reduce the energy consumption and maintain the system in the best performance.

Load-Revolution curve

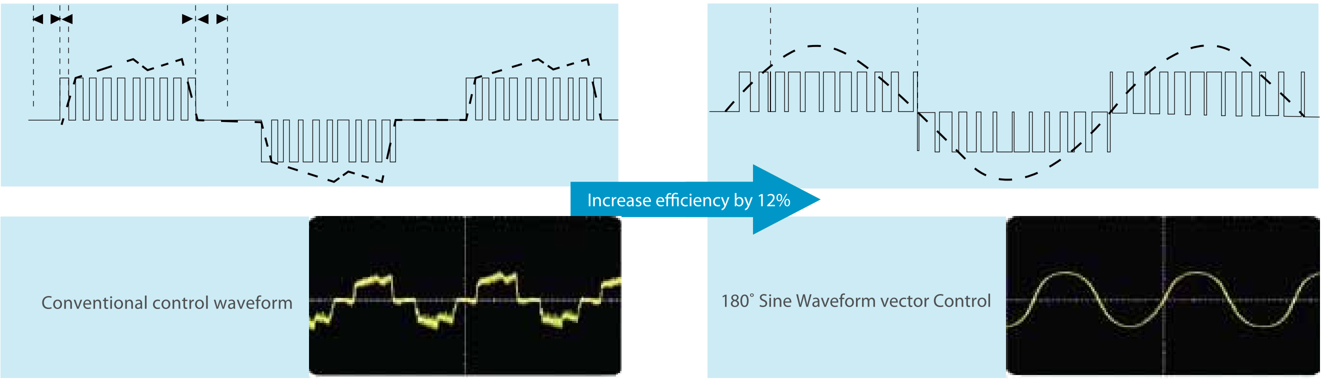


MAIN FEATURES

FVI DC Inverter VRF System

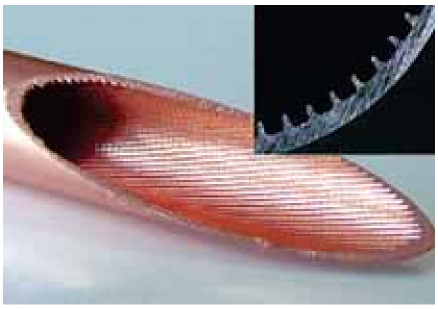
180° Sine Waveform Control

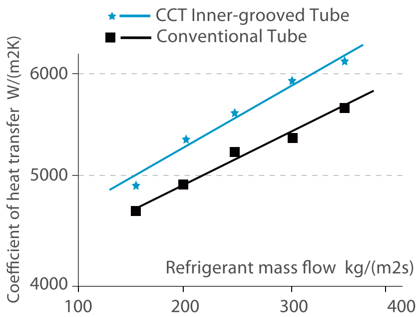
The perfect combination of 180° Sine waveform rotor frequency drive control technology and excellent IPM inverters, reduces the reactive loss of motor-driven and increases motor efficiency by 12%.

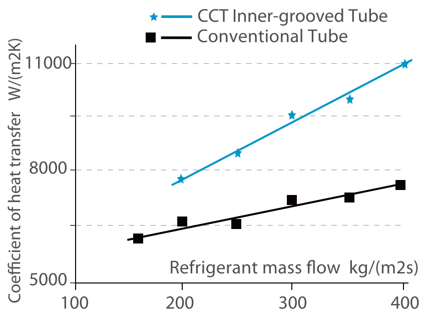


CCT Inner-Grooved Tube

CCT (Continuous Cooling Transformation) inner-grooved copper tube has high thermometric conductivity. These grooved fins break the refrigerant flow boundary layer to enhance refrigerant disturbance and increase heat-exchanging efficiency.

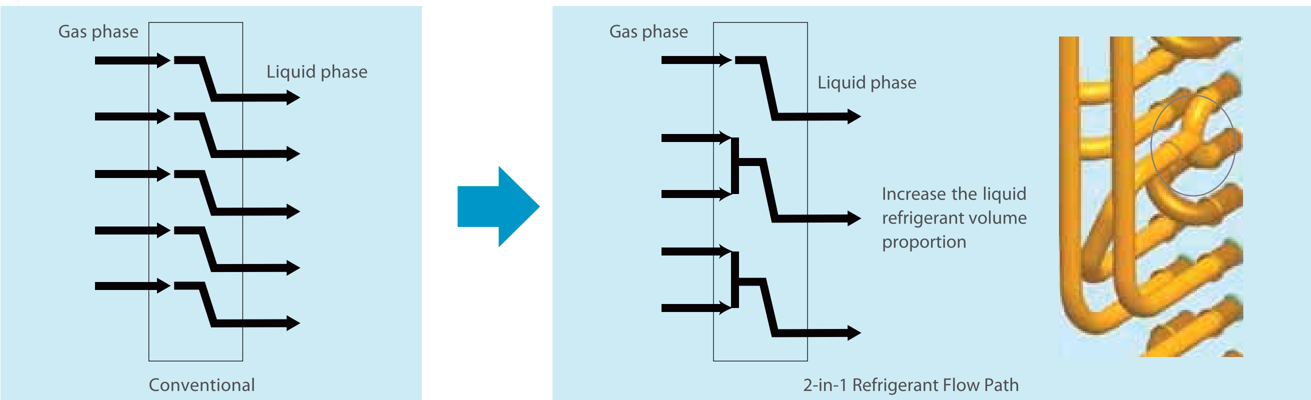






2-in-1 Refrigerant Flow Path Design

The 2-in-1 refrigerant flow path design greatly increases the liquid refrigerant volume proportion in the condenser outlet to produce more heat or coldness.

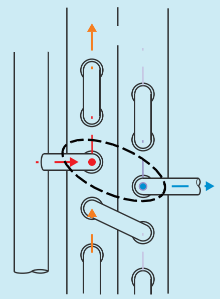


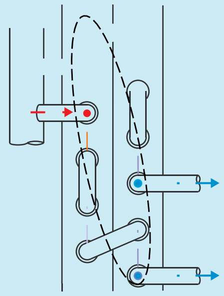
MAIN FEATURES

FVI DC Inverter VRF System

Supercooling Flow Path Design

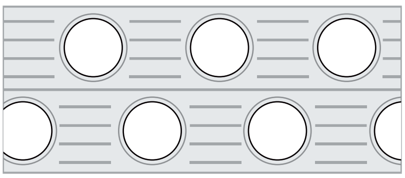
Supercooling flow path design separates the refrigerant inlet and outlet, increases the supercooling degree, and reduces the effects of high temperatures to increase system efficiency.



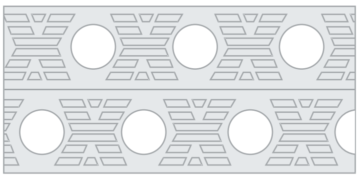


Cross Flow Fins

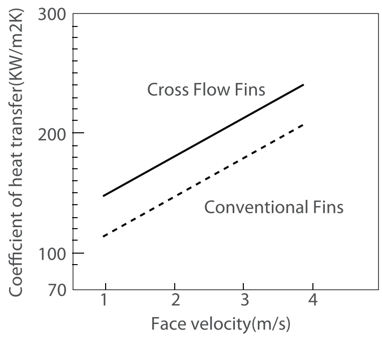
- Has low air resistance and great heat transfer coefficient.
- Frosting improved, frost on the heat-exchanger will be well-distributed, making it easier to defrost.



Convention Fins

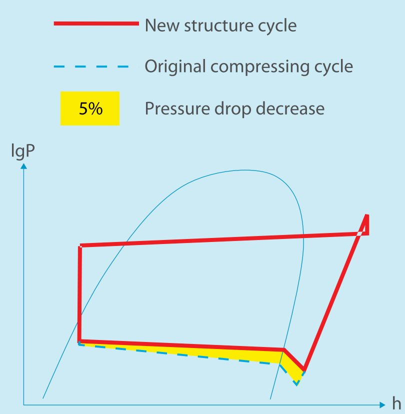


Cross Flow Fins



New Internal Structure

- Due to the optimal pipeline design, 15% copper pipes and 5% pressure drop are reduced.
- EER and COP increase, because of evaporating temperature increase and compressor work decrease.



MAIN FEATURES

FVI DC Inverter VRF System

Benefits For Installers

Optimization for designer and installer

FVI DC inverter VRF system is designed with flexible modular combination concept. Reducing the equipment needed to meet the demands of both designer and installer. With unique technologies used by our installers, installation is now quicker and easier.

4 Unit Combination, Capacity Up to 80HP

8HP ~ 20HP

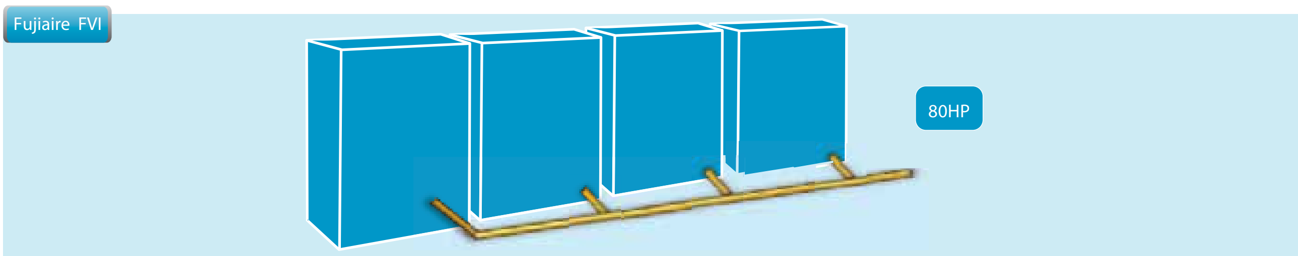
22HP ~ 40HP

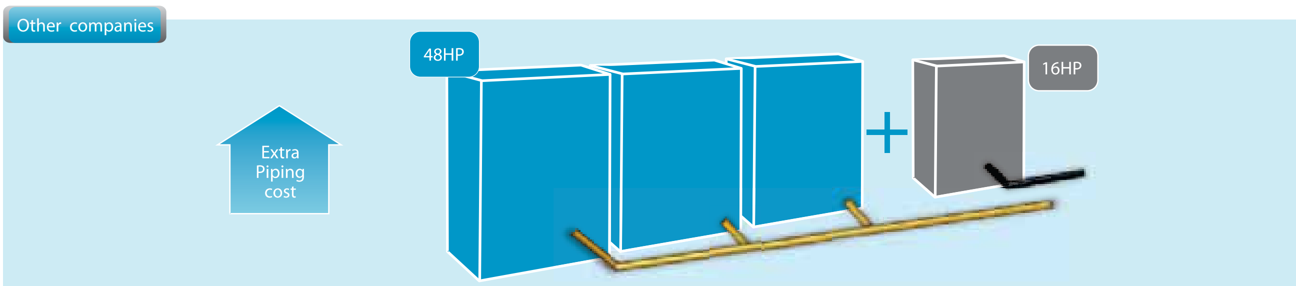
42HP ~ 60HP

62HP ~ 80HP

Reduce Installation Cost

When large capacity system is needed, Fujiaire FVI system saves money on piping installation.



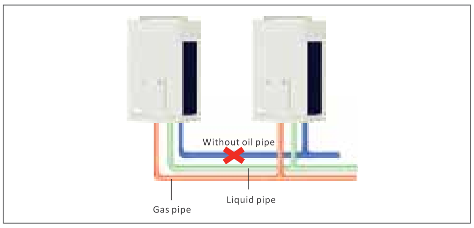


MAIN FEATURES

FVI DC Inverter VRF System

Reduce Installation Cost

- Patented oil return technique with high efficiency oil and gas separator where oil balance pipe is no needed among modules.
- Reduce the installation cost by no need to install oil balance pipe.

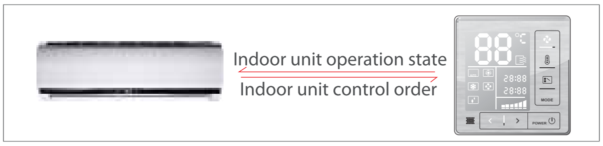


Adjustable Outdoor Fan External Static Pressure

- DC fan motor allowed external static pressure of outdoor fan adjustable.
- Outdoor units can be installed in the service floor or facility room.
- Maximum External Static Pressure 82Pa.

New Wired Controller

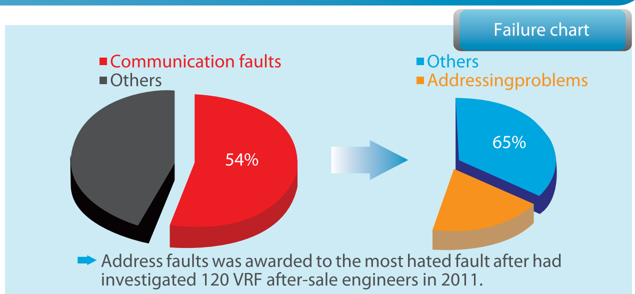
- Bidirectional communication. Indoor unit's operating parameters (error code, temperature, address) can be inquired and displayed on the controller.
- User can check the error code and inquiry unit status very easily, safe and convenient.



Automatic Addressing

Automatic addressing will reduce artificial faults by 35% and 5% manual works.

- 54% of system failure were caused by communication faults.
- 65% of communication faults were caused by address problems.
- Most of the problems were: address setting forgotten, wrong settings, address repeat.



Addressing Methods

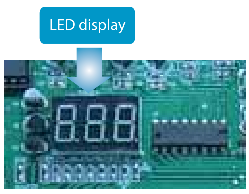
2 addressing methods:

- Automatic addressing: system will distribute address to indoor unit automatically.
- Manual addressing setting by wireless remote controller.

Addressing method can be selected easily by adjusting the switch on outdoor PCB.

LED Display On The PCB

LED display on the PCB, it can show system's operation status and error codes.



MAIN FEATURES

FVI DC Inverter VRF System

Controller Software

- Independent central control software and the central control software with the billing function which can be combined with the BMS adapter, such as Lonworks, BACnet and Modbus protocol adapter.
- Self-diagnosis software can be used as remote controller. It can monitor the running state of the units in real time. And display the malfunctions which is convenience for commissioning and trouble shooting.

Black Box Functions

- Records of 30 minutes operating information before error occur.
- Ease for trouble shooting.

Mode Restriction

6 kinds of mode restriction

- Start indoor unit's priority mode.
- Cooling (or heating) priority mode.
- Cooling only (or heating only) mode.
- Majority priority mode.

Mode restriction function can be selected on the outdoor PCB.

New Internal Structure

- All key components are designed to be placed outside for convenient repair and replacement.
- Thanks to the new balance technology, there is no need for a gas balance pipe, leading to a decrease in brazing points and leaking risks.

Oil Control Technology

Core oil control technology makes the system safety & reliable.

Intellingent oil return program

Oil separator

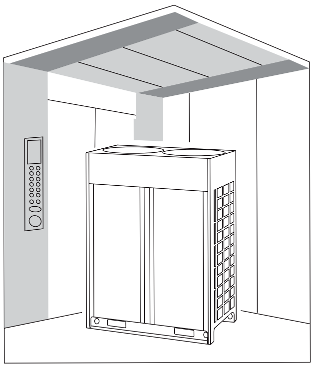
Separation efficiency 92%

MAIN FEATURES

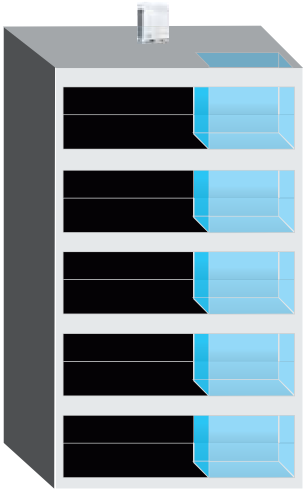
FVI DC Inverter VRF System

Easy Installation

- Easy for the outdoor unit to be transported to the roof floor by elevator due to its compact size.
- Communication wire length can be up to 800m.

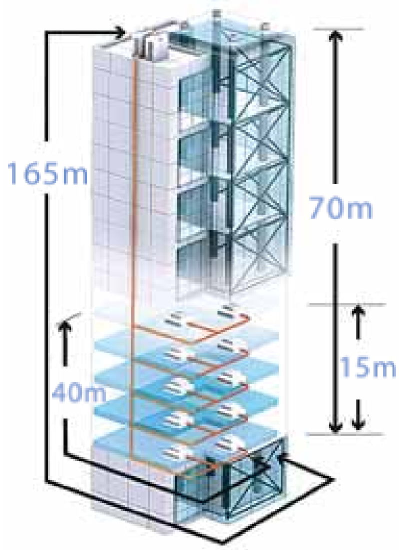


Easy for transportation



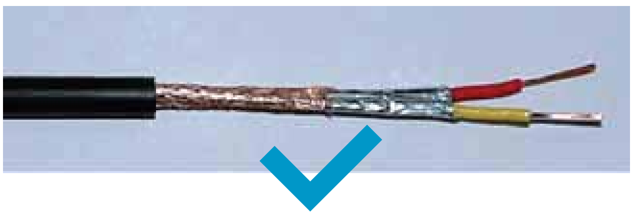
Long Piping & Height Difference

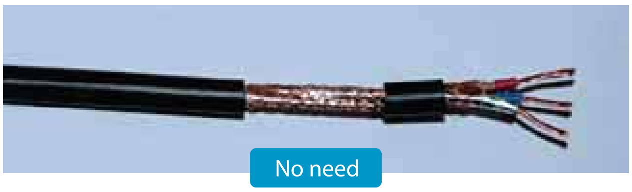
- Total piping length: 1000m
- Maximum actual piping length: 165m
- Maximum equivalent length: 190m
- Maximum piping length from first indoor branch to farthest indoor unit: 40m
- Maximum height different between indoor units: 15m
- Maximum height difference between outdoor unit and indoor unit :
  Outdoor unit is located above indoor unit : 70m
  Outdoor unit is located below indoor unit : 90m



Use 2-core Shielded Wire As Signal Wire

- Saves installation cost.
- Reduces manual works.
- Non-polarity of signal wire.





D-SERIES OUTDOOR COMBINATION

8/10/12HP

14/16/18/20HP

Basic Module ODU

22/24/26/28/30/32/34/36/38/40HP

2 Modular ODU

42/44/46/48/50/52/54/56/58/60HP

3 Modular ODU

62/64/66/68/70/72/74/76/78/80HP

4 Modular ODU

Flexible Outdoor Unit Combination

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-L080D-E23B; **Fujipure: PV**I-L080D-E23B

No	Model	Rated Capacity (T1)			Rated Capacity (T3)			Description	ODU Combination (HP)
		HP	kW	Btu/hr	HP	kW	Btu/hr		
1	*VI-L080D-E23B	8	25.2	86,000	8	24.7	84,300	BASIC MODULE ODU	8
2	*VI-L100D-E23B	10	28.0	95,500	10	27.4	93,500		10
3	*VI-L120D-E23B	12	33.5	114,300	12	32.8	111,900		12
4	*VI-L140D-E23B	14	40.0	136,500	14	39.2	133,800		14
5	*VI-L160D-E23B	16	45.0	153,500	16	44.1	150,500		16
6	*VI-L180D-E23B	18	50.4	172,000	18	49.4	168,600		18
7	*VI-L200D-E23B	20	56.0	191,100	20	54.8	187,000		20
8	*VI-L220D-E23B	22	61.5	209,800	22	60.2	205,400	2 MODULAR ODU	10 + 12
9	*VI-L240D-E23B	24	68.0	232,000	24	66.6	227,300		10 + 14
10	*VI-L260D-E23B	26	73.0	249,000	26	71.5	244,000		10 + 16
11	*VI-L280D-E23B	28	78.4	267,500	28	76.8	262,100		10 + 18
12	*VI-L300D-E23B	30	83.9	286,300	30	82.2	280,500		12 + 18
13	*VI-L320D-E23B	32	90.0	307,000	32	88.2	301,000		16 + 16
14	*VI-L340D-E23B	34	95.4	325,500	34	93.5	319,100		16 + 18
15	*VI-L360D-E23B	36	100.8	344,000	36	98.8	337,200		18 + 18
16	*VI-L380D-E23B	38	106.4	363,100	38	104.2	355,600		18 + 20
17	*VI-L400D-E23B	40	112.0	382,200	40	109.6	374,000		20 + 20
18	*VI-L420D-E23B	42	118.4	404,000	42	116.0	395,900	3 MODULAR ODU	10 + 14 + 18
19	*VI-L440D-E23B	44	123.4	421,000	44	120.9	412,600		10 + 16 + 18
20	*VI-L460D-E23B	46	128.8	439,500	46	126.2	430,700		10 + 18 + 18
21	*VI-L480D-E23B	48	134.3	458,300	48	131.6	449,100		12 + 18 + 18
22	*VI-L500D-E23B	50	140.8	480,500	50	138.0	471,000		14 + 18 + 18
23	*VI-L520D-E23B	52	145.8	497,500	52	142.9	487,700		16 + 18 + 18
24	*VI-L540D-E23B	54	151.2	516,000	54	148.2	505,800		18 + 18 + 18
25	*VI-L560D-E23B	56	156.8	535,100	56	153.6	524,200		18 + 18 + 20
26	*VI-L580D-E23B	58	162.4	554,200	58	159.0	542,600		18 + 20 + 20
27	*VI-L600D-E23B	60	168.0	573,300	60	164.4	561,000		20 + 20 + 20
28	*VI-L620D-E23B	62	173.8	593,000	62	170.3	581,200	4 MODULAR ODU	10 + 16 + 18 + 18
29	*VI-L640D-E23B	64	179.2	611,500	64	175.6	599,300		10 + 18 + 18 + 18
30	*VI-L660D-E23B	66	184.7	630,300	66	181.0	617,700		12 + 18 + 18 + 18
31	*VI-L680D-E23B	68	191.2	652,500	68	187.4	639,600		14 + 18 + 18 + 18
32	*VI-L700D-E23B	70	196.2	669,500	70	192.3	656,300		16 + 18 + 18 + 18
33	*VI-L720D-E23B	72	201.6	688,000	72	197.6	674,400		18 + 18 + 18 + 18
34	*VI-L740D-E23B	74	207.2	707,100	74	203.0	692,800		18 + 18 + 18 + 20
35	*VI-L760D-E23B	76	212.8	726,200	76	208.4	711,200		18 + 18 + 20 + 20
36	*VI-L780D-E23B	78	218.4	745,300	78	213.8	729,600		18 + 20 + 20 + 20
37	*VI-L800D-E23B	80	224.0	764,400	80	219.2	748,000		20 + 20 + 20 + 20

*The table above shows recommendation of outdoor combinations. In actual condition, the combinations may change accordingly.

Mini VRF Outdoor Units

3.0/3.5 HP

4.0/5.0/5.5/7.5/10 HP

Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-L040D-A23B; **Fujipure:** PVI-L040D-A23B

Model			*VI-L028D-A23B	*VI-L035D-A23B	*VI-L040D-A23B	*VI-L050D-A23B	*VI-L055D-A23B	*VI-L075SD-E23B	*VI-L100SD-E23B
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	27,300 (8.0)	34,200 (10.0)	41,000 (12.0)	47,800 (14.0)	54,600 (16.0)	76,400 (22.4)	88,700 (26.0)
	Rated Capacity (T3)	Btu/hr (kW)	24,600 (7.2)	30,800 (9.0)	37,000 (10.8)	43,000 (12.6)	49,200 (14.4)	65,900 (19.3)	76,300 (22.4)
	Power Input (T1)	kW	2.5	3.2	3.8	4.4	5.0	7.2	8.4
	Power Input (T3)	kW	3.0	3.8	4.5	5.2	5.9	8.3	10.5
	EER	W/W	3.2	3.1	3.2	3.2	3.2	3.1	3.1
Heating	Capacity	Btu/hr (kW)	30,700 (9.0)	37,600 (11.0)	45,000 (13.2)	52,600 (15.4)	58,000 (17.0)	83,600 (24.5)	97,200 (28.5)
	Power Input	kW	2.6	3.2	3.8	4.5	5.0	6.7	7.9
	COP	W/W	3.5	3.4	3.5	3.4	3.4	3.7	3.6
Max. of Indoor Units			4	4	6	6	6	11	12
Air Flow Rate		CFM (CMH)	2,354 (4,000)	2,354 (4,000)	2,943 (5,000)	2,943 (5,000)	3,532 (6,000)	9,000 (15,300)	9,000 (15,300)
Noise Level		dB(A)	60	60	60	60	63	60	60
Compressor Configuration**			DC Inverter Dual Rotor Compressor x 1						
Refrigerant Charge		kg	2.7	2.7	5.0	5.0	6.3		
Unit Dimension (WxHxD)		mm	900x790x320	900x790x320	940x1366x368	940x1366x368	940x1366x368	1120x1510x400	1120x1510x400
Packing Dimension (WxHxD)		mm	1030x850x430	1030x850x430	1080x1500x460	1080x1500x460	1080x1500x460	1270x1710x560	1270x1710x560
Net / Gross Weight		kg	65 / 70	67 / 72	100 / 113	100 / 113	102 / 115	150 / 170	150 / 170
Pipe size	Liquid	in (mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Gas	in (mm)	5/8" (15.88)	5/8" (15.88)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)	7/8" (22.22)	7/8" (22.22)
Total Piping Length		m	50	50	100	100	100	100	100
Max. Equivalent Pipe Length		m	50	25	50	50	50	50	50
Max. Actual Pipe Length		m	20	20	45	45	45	45	45
Max. Height Diff. Between IDUs		m	15	15	15	15	15	15	15
Max. Height Diff. Between ODU & IDU*		m	15	15	30	30	30	30	30

*This value is based on the outdoor unit located above the indoor unit.

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor
3. Operation Range: Cooling -5°C ~ 49°C; Heating -15°C ~ 24°Outdoor
4. Performance of the unit varies according to the type of compressor used.

Modular VRF Outdoor Units

8/10/12 HP

14/16/18HP

20 HP

Specifications (Basic Module Outdoor)

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-L080D-E23B; **Fujipure: P**VI-L080D-E23B

Model			*VI-L080D-E23B	*VI-L100D-E23B	*VI-L120D-E23B	*VI-L140D-E23B	*VI-L160D-E23B	*VI-L180D-E23B	*VI-L200D-E23B
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	86,000 (25.2)	95,500 (28.0)	114,300 (33.5)	136,500 (40.0)	153,500 (45.0)	172,000 (50.4)	191,100 (56.0)
	Rated Capacity (T3)	Btu/hr (kW)	84,300 (24.7)	93,500 (27.4)	111,900 (32.8)	133,800 (39.2)	150,500 (44.1)	168,600 (49.4)	187,000 (54.8)
	Power Input (T1)	kW	5.8	7.1	8.9	11.3	12.9	14.3	16.7
	Power Input (T3)	kW	6.1	7.5	9.3	11.9	13.5	15.2	17.8
	EER	W/W	4.4	3.9	3.8	3.5	3.5	3.5	3.4
Heating	Capacity	Btu/hr (kW)	95,600 (28.0)	107,500 (31.5)	128,000 (37.5)	153,600 (45.0)	170,600 (50.0)	192,800 (56.5)	215,000 (63.00)
	Power Input	kW	6.1	7.6	9.1	11.2	12.8	15.0	16.0
	COP	W/W	4.6	4.1	4.1	4.0	3.9	3.8	3.9
Max. of Indoor Units			13	16	19	23	26	30	33
Air Flow Rate		CFM (CMH)	7,063 (12,000)	7,063 (12,000)	7,063 (12,000)	8,534 (14,500)	8,829 (15,000)	8,829 (15,000)	8,829 (15,000)
Noise Level		dB(A)	58	58	58	61	61	61	65
Compressor Configuration**			DC x1	DC x1	DC x1	[DC x1] + [AC x1]	[DC x1] + [AC x1]	[DC x1] + [AC x1]	[DC x1] + [AC x1]
Refrigerant Charge		kg	8.5	8.5	9.0	13.0	13.0	14.0	12.0
Unit Dimension (WxHxD)		mm	930x1600x765	930x1600x765	930x1600x765	1340x1600x765	1340x1600x765	1340x1600x765	1340x1600x765
Packing Dimension (WxHxD)		mm	980x1850x810	980x1850x810	980x1850x810	1400x1850x810	1400x1850x810	1400x1850x810	1400x1850x810
Net / Gross Weight		kg	223 / 243	223 / 243	248 / 268	303 / 325	303 / 325	318 / 340	355 / 371
Pipe size	Liquid	in (mm)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)
	Gas	in (mm)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)	1-1/8" (28.60)	1-1/8" (28.60)	1-1/8" (28.60)	1-1/8" (28.60)
Max. Equivalent Refrigerant Pipe Length		m	190	190	190	190	190	190	190
Max. Height Diff. Between IDUs		m	15	15	15	15	15	15	15
Max. Height Diff. Between ODU & IDU*		m	70	70	70	70	70	70	70

*This value is based on the outdoor unit located above the indoor unit.
** DC: DC Inverter Scroll Compressor AC: Constant Speed Scroll Compressor

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor
3. Operation Range: Cooling -5°C ~ 52°C; Heating -20°C ~ 24°Outdoor
4. Performance of the unit varies according to the type of compressor used.

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: **F**VI-L080D-E23B; **Fujipure: P**VI-L080D-E23B

Specifications (2 Modular Outdoor)

Model			2 Modular				
			*VI-L220D-E23B	*VI-L240D-E23B	*VI-L260D-E23B	*VI-L280D-E23B	*VI-L300D-E23B
Combination Units			10 + 12	10 + 14	10 + 16	10 + 18	12 + 18
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	209,800 (61.5)	232,000 (68.0)	249,000 (73.0)	267,500 (78.4)	286,300 (83.9)
	Rated Capacity (T3)	Btu/hr (kW)	205,400 (60.2)	227,300 (66.6)	244,000 (71.5)	262,100 (76.8)	280,500 (82.2)
	Power Input (T1)	kW	16.0	18.4	20.0	21.4	23.2
	Power Input (T3)	kW	16.8	19.4	21.0	22.7	24.5
	EER	W/W	3.8	3.7	3.7	3.7	3.6
Heating	Capacity	Btu/hr (kW)	235,400 (69.0)	261,000 (76.5)	278,000 (81.5)	303,300 (88.0)	320,800 (94.0)
	Power Input	kW	16.7	18.8	20.4	22.6	24.1
	COP	W/W	4.1	4.1	4.0	3.9	3.9
Max. of Indoor Units			36	39	43	46	49
Air Flow Rate		CFM (CMH)	14,126 (24,000)	15,597 (26,500)	15,892 (27,000)	15,892 (27,000)	15,892 (27,000)
Noise Level		dB(A)	61	62	62	62	63
Compressor Configuration**			DC x 2	[DC x1] + [(DC x 1) + (AC x 1)]			
Refrigerant Charge		kg	8.5+9.0	8.5+13.0	8.5+13.0	8.5+14.0	9.0+14.0
Unit Dimension (WxHxD)		mm	[930x1600x765] x 2	[930x1600x765] + [1340x1600x765]			
Packing Dimension (WxHxD)		mm	[980x1850x810] x 2	[980x1850x810] + [1400x1850x810]			
Weight	Net	kg	223+248	223+303	223+303	223+318	248+318
	Gross	kg	243+268	243+325	243+325	243+340	268+340
Pipe size	Liquid	in (mm)	5/8" (15.88)	5/8" (15.88)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)
	Gas	in (mm)	1-1/8" (28.60)	1-1/8" (28.60)	1-3/8" (34.93)	1-3/8" (34.93)	1-3/8" (34.93)

Model			2 Modular				
			*VI-L320D-E23B	*VI-L340D-E23B	*VI-L360D-E23B	*VI-L380D-E23B	*VI-L400D-E23B
Combination Units			16 + 16	16 + 18	18 + 18	18 + 20	20 + 20
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	307,000 (90.0)	325,500 (95.4)	344,000 (100.8)	363,100 (106.4)	382,200 (112.0)
	Rated Capacity (T3)	Btu/hr (kW)	301,000 (88.2)	319,100 (93.5)	337,200 (98.8)	355,600 (104.2)	374,000 (109.6)
	Power Input (T1)	kW	25.8	27.2	28.6	31.0	33.4
	Power Input (T3)	kW	27.0	28.7	30.4	33.0	35.6
	EER	W/W	3.5	3.5	3.5	3.4	3.4
Heating	Capacity	Btu/hr (kW)	341,200 (100.0)	363,400 (106.5)	385,600 (113.0)	407,800 (119.5)	430,000 (126.0)
	Power Input	kW	25.6	27.8	30.0	31.0	32.0
	COP	W/W	3.9	3.8	3.8	3.9	3.9
Max. of Indoor Units			53	56	59	62	64
Air Flow Rate		CFM (CMH)	17,658 (30,000)	17,658 (30,000)	17,658 (30,000)	17,658 (30,000)	17,658 (30,000)
Noise Level		dB(A)	63	63	63	64	64
Compressor Configuration**			[(DC x 1) + (AC x 1)] x 2				
Refrigerant Charge		kg	13.0+13.0	13.0+14.0	14.0+14.0	14.0+12.0	12.0+12.0
Unit Dimension (WxHxD)		mm	[1340x1600x765] x 2				
Packing Dimension (WxHxD)		mm	[1400x1850x810] x 2				
Weight	Net	kg	303+303	303+318	318+318	318+355	355+355
	Gross		325+325	325+340	340+340	340+371	371 +371
Pipe size	Liquid	in (mm)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)
	Gas	in (mm)	1-3/8" (34.93)	1-3/8" (34.93)	1-5/8" (41.30)	1-5/8" (41.30)	1-5/8" (41.30)

** DC: DC Inverter Scroll Compressor   AC: Constant Speed Scroll Compressor

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: **F**VI-L080D-E23B; **Fujipure: P**VI-L080D-E23B

Specifications (3 Modular Outdoor)

Model			3 Modular				
			*VI-L420D-E23B	*VI-L440D-E23B	*VI-L460D-E23B	*VI-L480D-E23B	*VI-L500D-E23B
Combination Units			10 + 14 + 18	10 + 16 + 18	10 + 18 + 18	12 + 18 + 18	14 + 18 + 18
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	404,000 (118.4)	421,000 (123.4)	439,500 (128.8)	458,300 (134.3)	480,500 (140.8)
	Rated Capacity (T3)	Btu/hr (kW)	395,900 (116.0)	412,600 (120.9)	430,700 (126.2)	449,100 (131.6)	471,000 (138.0)
	Power Input (T1)	kW	32.7	34.3	35.7	37.5	39.9
	Power Input (T3)	kW	34.6	36.2	37.9	39.7	42.3
	EER	W/W	3.6	3.6	3.6	3.6	3.5
Heating	Capacity	Btu/hr (kW)	453,900 (133.0)	470,900 (138.0)	493,100 (144.5)	513,600 (150.5)	539,200 (158.0)
	Power Input	kW	33.8	35.4	37.6	39.1	41.2
	COP	W/W	3.9	3.9	3.8	3.9	3.8
Max. of Indoor Units			64	64	64	64	64
Air Flow Rate		CFM (CMH)	24,426 (41,500)	24,721 (42,000)	24,721 (42,000)	24,721 (42,000)	26,192 (44,500)
Noise Level		dB(A)	64	64	64	64	64
Compressor Configuration**			[DC x1] + [(DC x 1) + (AC x 1)] x 2				[(DC x 1)+(AC x 1)] x 3
Refrigerant Charge		kg	8.5+13.0+14.0	8.5+13.0+14.0	8.5+14.0+14.0	9.0+14.0+14.0	13.0+14.0+14.0
Unit Dimension (WxHxD)		mm	[930x1600x765] + [1340x1600x765] x 2				[1340x1600x765] x 3
Packing Dimension (WxHxD)		mm	[980x1850x810] + [1400x1850x810] x 2				[1400x1850x810] x 3
Weight	Net	kg	223+303+318	223+303+318	223+318+318	248+318+318	303+318+318
	Gross	kg	243+325+340	243+325+340	243+340+340	268+340+340	325+340+340
Pipe size	Liquid	in (mm)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)
	Gas	in (mm)	1-5/8" (41.30)	1-5/8" (41.30)	1-5/8" (41.30)	1-5/8" (41.30)	1-5/8" (41.30)

Model			3 Modular				
			*VI-L520D-E23B	*VI-L540D-E23B	*VI-L560D-E23B	*VI-L580D-E23B	*VI-L600D-E23B
Combination Units			16 + 18 + 18	18 + 18 + 18	18 + 18 + 20	18 + 20 + 20	20 + 20 + 20
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	497,500 (145.8)	516,000 (151.2)	535,100 (156.8)	553,800 (162.4)	573,300 (168.0)
	Rated Capacity (T3)	Btu/hr (kW)	487,700 (142.9)	505,800 (148.2)	524,200 (153.6)	542,600 (159.0)	561,000 (164.4)
	Power Input (T1)	kW	41.5	42.9	45.3	47.7	50.1
	Power Input (T3)	kW	43.9	45.6	48.2	50.8	53.4
	EER	W/W	3.5	3.5	3.5	3.4	3.4
Heating	Capacity	Btu/hr (kW)	556,200 (163.0)	578,400 (169.5)	600,600 (176.0)	622,800 (182.5)	645,000 (189.0)
	Power Input	kW	42.8	45.0	46.0	47.0	48.0
	COP	W/W	3.8	3.8	3.8	3.9	3.9
Max. of Indoor Units			64	64	64	64	64
Air Flow Rate		CFM (CMH)	26,487 (45,000)	26,487 (45,000)	26,487 (45,000)	26,487 (45,000)	26,487 (45,000)
Noise Level		dB(A)	64	64	65	65	65
Compressor Configuration**			[(DC x 1) + (AC x 1)] x 3				
Refrigerant Charge		kg	13.0+(14.0 x 2)	14.0 x 3	(14.0 x 2)+12.0	14.0+(12.0 x 2)	(12.0 x 3)
Unit Dimension (WxHxD)		mm	[1340x1600x765] x 3				
Packing Dimension (WxHxD)		mm	[1400x1850x810] x 3				
Weight	Net	kg	303+(318 x 2)	318 x 3	(318 x 2)+355	318+(355 x 2)	355 x 3
	Gross		325+(340 x 2)	340 x 3	(340 x 2)+371	340+(371 x 2)	371 x 3
Pipe size	Liquid	in (mm)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)
	Gas	in (mm)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)

** DC: DC Inverter Scroll Compressor AC: Constant Speed Scroll Compressor

Specifications (4 Modular Outdoor)

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: **F**VI-L080D-E23B; **Fujipure:** **P**VI-L080D-E23B

Model			4 Modular				
			*VI-L620D-E23B	*VI-L640D-E23B	*VI-L660D-E23B	*VI-L680D-E23B	*VI-L700D-E23B
Combination Units			10 + 16 + 18 + 18	10 + 18 + 18 + 18	12 + 18 + 18 + 18	14 + 18 + 18 + 18	16 + 18 + 18 + 18
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	593,000 (173.8)	611,500 (179.2)	630,300 (184.7)	652,400 (191.2)	669,500 (196.2)
	Rated Capacity (T3)	Btu/hr (kW)	581,200 (170.3)	599,300 (175.6)	617,700 (181.0)	639,400 (187.4)	656,300 (192.3)
	Power Input (T1)	kW	48.6	50.0	51.8	54.2	55.8
	Power Input (T3)	kW	51.4	53.1	54.9	57.5	59.1
	EER	W/W	3.6	3.6	3.6	3.5	3.5
Heating	Capacity	Btu/hr (kW)	663,700 (194.5)	685,900 (201.0)	706,400 (207.0)	732,000 (214.5)	749,000 (219.5)
	Power Input	kW	50.4	52.6	54.1	56.2	57.8
	COP	W/W	3.9	3.8	3.8	3.8	3.8
Max. of Indoor Units			64	64	64	64	64
Air Flow Rate		CFM (CMH)	33,550 (57,000)	33,550 (57,000)	33,550 (57,000)	35,021 (59,500)	35,316 (60,000)
Noise Level		dB(A)	65	65	65	65	65
Compressor Configuration**			[DC x1] + [(DC x 1) + (AC x 1)] x 3			[(DC x 1)+(AC x 1)] x 4	
Refrigerant Charge		kg	8.5+13.0+(14.0 x 2)	8.5+(14.0 x 3)	9.0+(14.0 x 3)	13.0+(14.0 x 3)	13.0+(14.0 x 3)
Unit Dimension (WxHxD)		mm	[930x1600x765] + [1340x1600x765] x 3			[1340x1600x765] x 4	
Packing Dimension (WxHxD)		mm	[980x1850x810] + [1400x1850x810] x 3			[1400x1850x810] x 4	
Weight	Net	kg	223+303+(318 x 2)	223+(318 x 3)	248+(318 x 3)	303+(318 x 3)	303+(318 x 3)
	Gross	kg	243+325+(340 x 2)	243+(340 x 3)	268+(340 x 3)	325+(340 x 3)	325+(340 x 3)
Pipe size	Liquid	in (mm)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)
	Gas	in (mm)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)

Model			4 Modular				
			*VI-L720D-E23B	*VI-L740D-E23B	*VI-L760D-E23B	*VI-L780D-E23B	*VI-L800D-E23B
Combination Units			18 + 18 + 18 + 18	18 + 18 + 18 + 20	18 + 18 + 20 + 20	18 + 20 + 20 + 20	20 + 20 + 20 + 20
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	688,000 (201.6)	707,100 (207.2)	726,200 (212.8)	745,300 (218.4)	764,400 (224.0)
	Rated Capacity (T3)	Btu/hr (kW)	674,400 (197.6)	692,800 (203.0)	711,200 (208.4)	729,600 (213.8)	748,000 (219.2)
	Power Input (T1)	kW	57.2	59.6	62.0	64.4	66.8
	Power Input (T3)	kW	60.8	63.4	66.0	68.6	71.2
	EER	W/W	3.5	3.5	3.4	3.4	3.4
Heating	Capacity	Btu/hr (kW)	771,200 (226.0)	793,400 (232.5)	815,600 (239.0)	837,800 (245.5)	860,000 (252.0)
	Power Input	kW	60.0	61.0	62.0	63.0	64.0
	COP	W/W	3.8	3.8	3.9	3.9	3.9
Max. of Indoor Units			64	64	64	64	64
Air Flow Rate		CFM (CMH)	35,316 (60,000)	35,316 (60,000)	35,316 (60,000)	35,316 (60,000)	35,316 (60,000)
Noise Level		dB(A)	65	65	65	65	65
Compressor Configuration**			[(DC x 1) + (AC x 1)] x 4				
Refrigerant Charge		kg	14.0 x 4	(14.0 x 3)+12.0	(14.0 x 2)+(12.0 x 2)	14.0+(12.0 x 3)	12.0 x 4
Unit Dimension (WxHxD)		mm	[1340x1600x765] x 4				
Packing Dimension (WxHxD)		mm	[1400x1850x810] x 4				
Weight	Net	kg	318 x 4	(318 x 3)+355	(318 x 2)+(355 x 2)	318+(355 x 3)	355 x 4
	Gross		340 x 4	(340 x 3)+371	(340 x 2)+(371 x 2)	340+(371 x 3)	371 x 4
Pipe size	Liquid	in (mm)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)
	Gas	in (mm)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)

** DC: DC Inverter Scroll Compressor AC: Constant Speed Scroll Compressor

DX-SERIES OUTDOOR COMBINATION (FULL INVERTER)

8/10/12HP 14/16HP 18/20/22/24/26/28/30/32HP 34/36/38/40/42/44/46/48HP

Basic Module ODU

2 Modular ODU

3 Modular ODU

50/52/54/56/58/60/62/64HP

4 Modular ODU

Flexible Outdoor Unit Combination

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-L080DX-E23B; **Fujipure: P**VI-L080DX-E23B

No	Model	Rated Capacity (T1)			Rated Capacity (T3)			Description	ODU Combination (HP)
		HP	kW	Btu/hr	HP	kW	Btu/hr		
1	*VI-L080DX-E23B	8	25.2	86,000	8	24.3	82,900	BASIC MODULE ODU	8
2	*VI-L100DX-E23B	10	28.0	95,500	10	25.7	87,700		10
3	*VI-L120DX-E23B	12	33.5	114,300	12	31.0	105,800		12
4	*VI-L140DX-E23B	14	40.0	136,500	14	37.0	126,200		14
5	*VI-L160DX-E23B	16	45.0	153,500	16	42.6	145,400		16
6	*VI-L180DX-E23B	18	53.2	181,500	18	50.0	170,600	2 MODULAR ODU	10 + 8
7	*VI-L200DX-E23B	20	56.0	191,000	20	51.4	175,400		10 + 10
8	*VI-L220DX-E23B	22	61.5	209,800	22	56.7	193,500		10 + 12
9	*VI-L240DX-E23B	24	68.0	232,000	24	62.7	213,900		10 + 14
10	*VI-L260DX-E23B	26	73.0	249,000	26	68.3	233,100		10 + 16
11	*VI-L280DX-E23B	28	78.5	267,800	28	73.6	251,200		12 + 16
12	*VI-L300DX-E23B	30	85.0	290,000	30	79.6	271,600		14 + 16
13	*VI-L320DX-E23B	32	90.0	307,000	32	85.2	290,800		16 + 16
14	*VI-L340DX-E23B	34	98.2	335,000	34	92.6	316,000	3 MODULAR ODU	8 + 10 + 16
15	*VI-L360DX-E23B	36	101.0	344,500	36	94.0	320,800		10 + 10 + 16
16	*VI-L380DX-E23B	38	106.5	363,300	38	99.3	338,900		10 + 12 + 16
17	*VI-L400DX-E23B	40	113.0	385,500	40	105.3	359,300		10 + 14 + 16
18	*VI-L420DX-E23B	42	118.0	402,500	42	110.9	378,500		10 + 16 + 16
19	*VI-L440DX-E23B	44	123.5	421,300	44	116.2	396,600		12 + 16 + 16
20	*VI-L460DX-E23B	46	130.0	443,500	46	122.2	417,000		14 + 16 + 16
21	*VI-L480DX-E23B	48	135.0	460,500	48	127.8	436,200		16 + 16 + 16
22	*VI-L500DX-E23B	50	143.2	488,500	50	135.2	461,400	4 MODULAR ODU	8 + 10 + 16 + 16
23	*VI-L520DX-E23B	52	146.0	498,000	52	136.6	466,200		10 + 10 + 16 + 16
24	*VI-L540DX-E23B	54	151.5	516,800	54	141.9	484,300		10 + 12 + 16 + 16
25	*VI-L560DX-E23B	56	158.0	539,000	56	147.9	504,700		10 + 14 + 16 + 16
26	*VI-L580DX-E23B	58	163.0	556,000	58	153.5	523,900		10 + 16 + 16 + 16
27	*VI-L600DX-E23B	60	168.5	574,800	60	158.8	542,000		12 + 16 + 16 + 16
28	*VI-L620DX-E23B	62	175.0	597,000	62	164.8	562,400		14 + 16 + 16 + 16
29	*VI-L640DX-E23B	64	180.0	614,000	64	170.4	581,600		16 + 16 + 16 + 16

Full Inverter VRF Outdoor Units

8/10/12 HP

14/16 HP

Specifications (Full Inverter Basic Module)

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-L080DX-E23B; **Fujipure: P**VI-L080DX-E23B

Model			*VI-L080DX-E23B	*VI-L100DX-E23B	*VI-L120DX-E23B	*VI-L140DX-E23B	*VI-L160DX-E23B
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	86,000 (25.2)	95,500 (28.0)	114,300 (33.5)	136,500 (40.0)	153,500 (45.0)
	Rated Capacity (T3)	Btu/hr (kW)	82,900 (24.3)	87,700 (25.7)	105,800 (31.0)	126,200 (37.0)	145,400 (42.6)
	Power Input (T1)	kW	5.4	7.0	8.4	10.5	12.4
	Power Input (T3)	kW	6.4	8.3	10.4	12.4	15.3
	EER	W/W	4.7	4.0	4.0	3.8	3.6
Heating	Capacity	Btu/hr (kW)	95,600 (28.0)	107,500 (31.5)	128,000 (37.5)	153,600 (45.0)	170,600 (50.0)
	Power Input	kW	5.9	7.2	8.9	10.9	12.4
	COP	W/W	4.7	4.0	4.2	4.1	4.0
Max. of Indoor Units			13	16	19	23	26
Air Flow Rate		CFM (CMH)	7,063 (12,000)	7,063 (12,000)	7,063 (12,000)	8,534 (14,500)	8,829 (15,000)
Noise Level		dB(A)	58	58	58	61	61
Compressor Configuration**			DC x1	DC x1	DC x1	DC x1	DC x1
Refrigerant Charge		kg	8.5	8.5	9.0	14.0	14.0
Unit Dimension (WxHxD)		mm	935x1600x765	935x1600x765	935x1600x765	1340x1600x765	1340x1600x765
Packing Dimension (WxHxD)		mm	980x1850x810	980x1850x810	980x1850x810	1400x1850x810	1400x1850x810
Net / Gross Weight		kg	223 / 243	223 / 243	248 / 268	298 / 320	298 / 320
Pipe size	Liquid	in (mm)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)
	Gas	in (mm)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)	1-1/8" (28.60)	1-1/8" (28.60)
Max. Equivalent Refrigerant Pipe Length		m	190	190	190	190	190
Max. Height Diff. Between IDUs		m	15	15	15	15	15
Max. Height Diff. Between ODU & IDU*		m	70	70	70	70	70

*This value is based on the outdoor unit located above the indoor unit.
** DC: DC Inverter Scroll Compressor AC: Constant Speed Scroll Compressor

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor
3. Operation Range: Cooling -5°C ~ 52°C; Heating -20°C ~ 24°Outdoor
4. Performance of the unit varies according to the type of compressor used.

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: **F**VI-L080DX-E23B; **Fujipure:** **P**VI-L080DX-E23B

Specifications (2 Modular Outdoor)

Model			2 Modular		
			*VI-L180DX-E23B	*VI-L200DX-E23B	*VI-L220DX-E23B
Combination Units			10 + 8	10 + 10	10 + 12
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	181,500 (53.2)	191,000 (56.0)	209,800 (61.5)
	Rated Capacity (T3)	Btu/hr (kW)	170,600 (50.0)	175,400 (51.4)	193,500 (56.7)
	Power Input (T1)	kW	12.4	14.0	15.4
	Power Input (T3)	kW	14.7	16.6	16.7
	EER	W/W	4.3	4.0	4.0
Heating	Capacity	Btu/hr (kW)	203,100 (59.5)	215,000 (63.0)	235,500 (69.0)
	Power Input	kW	13.1	14.4	16.1
	COP	W/W	4.5	4.4	4.3
Max. of Indoor Units			31	33	36
Air Flow Rate		CFM (CMH)	14,126 (24,000)	14,126 (24,000)	14,126 (24,000)
Noise Level		dB(A)	61	61	61
Compressor Configuration**			DC x2	DC x2	DC x2
Refrigerant Charge		kg	8.5 x 2	8.5 x 2	8.5 + 9.0
Unit Dimension (WxHxD)		mm	[935x1600x765] x 2		
Packing Dimension (WxHxD)		mm	[980x1850x810] x 2		
Weight	Net	kg	223 x 2	223 x 2	223+248
	Gross	kg	243 x 2	243 x 2	243+268
Pipe size	Liquid	in (mm)	1/2" (12.70)	5/8" (15.88)	5/8" (15.88)
	Gas	in (mm)	1-1/8" (28.60)	1-1/8" (28.60)	1-1/8" (28.60)

Model			2 Modular				
			*VI-L240DX-E23B	*VI-L260DX-E23B	*VI-L280DX-E23B	*VI-L300DX-E23B	*VI-L320DX-E23B
Combination Units			10 + 14	10 + 16	12 + 16	14 + 16	16 + 16
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	232,000 (68.0)	249,000 (73.0)	267,800 (78.5)	290,000 (85.0)	307,000 (90.0)
	Rated Capacity (T3)	Btu/hr (kW)	213,900 (62.7)	233,100 (68.3)	251,200 (73.6)	271,600 (79.6)	290,800 (85.2)
	Power Input (T1)	kW	17.5	19.4	20.8	22.9	24.8
	Power Input (T3)	kW	20.7	23.6	23.7	27.7	30.6
	EER	W/W	3.9	3.8	3.8	3.7	3.6
Heating	Capacity	Btu/hr (kW)	261,100 (76.5)	278,100 (81.5)	298,600 (87.5)	324,200 (95.0)	341,200 (100.0)
	Power Input	kW	18.1	19.6	21.3	23.3	24.8
	COP	W/W	4.2	4.2	4.1	4.1	4.0
Max. of Indoor Units			39	43	46	50	53
Air Flow Rate		CFM (CMH)	15,597 (26,500)	15,892 (27,000)	15,892 (27,000)	17,363 (29,500)	17,658 (30,000)
Noise Level		dB(A)	62	62	62	63	63
Compressor Configuration**			DC x2	DC x2	DC x2	DC x2	DC x2
Refrigerant Charge		kg	8.5 + 14.5	8.5 + 14.5	9.0 + 14.0	14.0 x 2	14.0 x 2
Unit Dimension (WxHxD)		mm	[935x1600x765]+[1340x1600x765]			[1340x1600x765] x 2	
Packing Dimension (WxHxD)		mm	[980x1850x810]+[1400x1850x810]			[1400x1850x810] x 2	
Weight	Net	kg	223+298	223+298	248+298	298 x 2	298 x 2
	Gross	kg	243+320	243+320	268+320	320 x 2	320 x 2
Pipe size	Liquid	in (mm)	5/8" (15.88)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)
	Gas	in (mm)	1-1/8" (28.60)	1-3/8 (34.93)	1-3/8 (34.93)	1-3/8 (34.93)	1-3/8 (34.93)

** DC: DC Inverter Scroll Compressor

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-L080DX-E23B; **Fujipure: PV**I-L080DX-E23B

Specifications (3 Modular Outdoor)

Model			3 Modular		
			*VI-L340DX-E23B	*VI-L360DX-E23B	*VI-L380DX-E23B
Combination Units			8 + 10 + 16	10 + 10 + 16	10 + 12 + 16
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	335,000 (98.2)	344,500 (101.0)	363,300 (106.5)
	Rated Capacity (T3)	Btu/hr (kW)	316,000(92.6)	320,800 (94.0)	338,900 (99.3)
	Power Input (T1)	kW	24.8	26.4	27.8
	Power Input (T3)	kW	30.0	31.9	34.0
	EER	W/W	4.0	3.8	3.8
Heating	Capacity	Btu/hr (kW)	373,700 (109.5)	385,600 (113.0)	406,100 (119.0)
	Power Input	kW	25.5	26.8	28.5
	COP	W/W	4.3	4.2	4.2
Max. of Indoor Units			56	59	62
Air Flow Rate		CFM (CMH)	22,955 (39,000)	22,955 (39,000)	22,955 (39,000)
Noise Level		dB(A)	63	63	64
Compressor Configuration**			DC x3	DC x3	DC x3
Refrigerant Charge		kg	(8.5 x 2) + 14.0	(8.5 x 2) + 14.0	8.5 + 9.0 + 14.0
Unit Dimension (WxHxD)		mm	[(935x1600x765) x 2] + [1340x1600x765]		
Packing Dimension (WxHxD)		mm	[(980x1850x810) x 2] + [1400x1850x810]		
Weight	Net	kg	223+223+298	223+223+298	223+248+298
	Gross	kg	243+243+320	243+243+320	243+268+320
Pipe size	Liquid	in (mm)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)
	Gas	in (mm)	1-3/8" (41.30)	1-5/8" (41.30)	1-5/8" (41.30)

Model			3 Modular				
			*VI-L400DX-E23B	*VI-L420DX-E23B	*VI-L4400DX-E23B	*VI-L460DX-E23B	*VI-L480DX-E23B
Combination Units			10 + 14 + 16	10 + 16 + 16	12 + 16 + 16	14 + 16 + 16	16 + 16 + 16
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	385,500 (113.0)	402,500 (118.0)	421,300 (123.5)	443,500 (130.0)	460,500 (135.0)
	Rated Capacity (T3)	Btu/hr (kW)	359,300 (105.3)	378,500 (110.9)	396,600 (116.2)	417,000 (122.2)	436,200 (127.8)
	Power Input (T1)	kW	29.9	31.8	33.2	35.3	37.2
	Power Input (T3)	kW	36.0	38.9	41.0	43.0	45.9
	EER	W/W	3.8	3.7	3.7	3.7	3.6
Heating	Capacity	Btu/hr (kW)	431,700 (126.5)	448,700 (131.5)	469,200 (137.5)	494,800 (145.0)	511,800 (150.0)
	Power Input	kW	30.5	32.0	33.7	35.7	37.2
	COP	W/W	4.2	4.1	4.1	4.1	4.0
Max. of Indoor Units			64	64	64	64	64
Air Flow Rate		CFM (CMH)	22,426 (41,500)	24,721 (42,000)	24,721 (42,000)	26,192 (44,500)	26,487 (45,000)
Noise Level		dB(A)	64	64	64	64	64
Compressor Configuration**			DC x3	DC x3	DC x3	DC x3	DC x3
Refrigerant Charge		kg	8.5 + (14.0 x 2)	8.5 + (14.0 x 2)	9.0 + (14.0 x 2)	14.0 x 3	14.0 x 3
Unit Dimension (WxHxD)		mm	[935x1600x765] + [1340x1600x765) x 2]			[1340x1600x765] x 3	
Packing Dimension (WxHxD)		mm	[980x1850x810] + [(1400x1850x810) x 2]			[1400x1850x810] x 3	
Weight	Net	kg	223+(298 x 2)	223+(298 x 2)	248+(298 x 2)	298 x 3	298 x 3
	Gross	kg	243+(320 x 2)	243+(320 x 2)	268+(320 x 2)	320 x 3	320 x 3
Pipe size	Liquid	in (mm)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)
	Gas	in (mm)	1-5/8" (41.30)	1-5/8" (41.30)	1-5/8" (41.30)	1-5/8" (41.30)	1-5/8" (41.30)

** DC: DC Inverter Scroll Compressor

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-L080DX-E23B; **Fujipure:** PVI-L080DX-E23B

Specifications (4 Modular Outdoor)

Model			4 Modular		
			*VI-L500DX-E23B	*VI-L520DX-E23B	*VI-L540DX-E23B
Combination Units			8 + 10 + 16 + 16	10 + 10 + 16 + 16	10 + 12 + 16 + 16
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	488,500 (143.2)	498,000 (146.0)	516,800 (151.5)
	Rated Capacity (T3)	Btu/hr (kW)	461,400 (135.2)	466,200 (136.6)	484,300 (141.9)
	Power Input (T1)	kW	37.2	38.8	40.2
	Power Input (T3)	kW	45.3	47.2	49.3
	EER	W/W	3.8	3.8	3.8
Heating	Capacity	Btu/hr (kW)	544,300 (159.5)	556,200 (163.0)	576,700 (169.0)
	Power Input	kW	37.9	39.2	40.9
	COP	W/W	4.2	4.2	4.1
Max. of Indoor Units			64	64	64
Air Flow Rate		CFM (CMH)	31,784 (54,000)	31,784 (54,000)	31,784 (54,000)
Noise Level		dB(A)	64	64	64
Compressor Configuration**			DC x4	DC x4	DC x4
Refrigerant Charge		kg	(8.5 x 2) + (14.0 x 2)	(8.5 x 2) + (14.0 x 2)	8.5 + 9.0 + (14.0 x 2)
Unit Dimension (WxHxD)		mm	[(935x1600x765) x 2] + [(1340x1600x765) x 2]		
Packing Dimension (WxHxD)		mm	[(980x1850x810) x 2] + [(1400x1850x810) x 2]		
Weight	Net	kg	(223 x 2)+(298 x 2)	(223 x 2)+(298 x 2)	223+248+(298 x 2)
	Gross	kg	(243 x 2)+(320 x 2)	(243 x 2)+(320 x 2)	243+268+(320 x 2)
Pipe size	Liquid	in (mm)	3/4" (19.05)	7/8" (22.20)	7/8" (22.20)
	Gas	in (mm)	1-5/8" (41.30)	1-7/8" (47.60)	1-7/8" (47.60)

Model			4 Modular				
			*VI-L560DX-E23B	*VI-L580DX-E23B	*VI-L6000DX-E23B	*VI-L620DX-E23B	*VI-L640DX-E23B
Combination Units			10 + 14 + 16 + 16	10 + 16 + 16 + 16	12 + 16 + 16 + 16	14 + 16 + 16 + 16	16 + 16 + 16 + 16
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	539,000 (158.0)	556,000 (163.0)	574,800 (168.5)	597,000 (175.0)	614,000 (180.0)
	Rated Capacity (T3)	Btu/hr (kW)	504,700 (147.9)	523,900 (153.5)	542,000 (158.8)	562,400 (164.8)	581,600 (170.4)
	Power Input (T1)	kW	42.3	44.2	45.6	47.7	49.6
	Power Input (T3)	kW	51.3	54.2	56.3	58.3	61.2
	EER	W/W	3.7	3.7	3.7	3.7	3.6
Heating	Capacity	Btu/hr (kW)	602,300 (176.5)	619,300 (181.5)	639,800 (187.5)	665,400 (195.0)	682,400 (200.0)
	Power Input	kW	42.9	44.4	46.1	48.1	49.6
	COP	W/W	4.1	4.1	4.1	4.1	4.0
Max. of Indoor Units			64	64	64	64	64
Air Flow Rate		CFM (CMH)	33,255 (56,500)	33,550 (57,000)	33,550 (57,000)	35,021 (59,500)	35,316 (60,000)
Noise Level		dB(A)	65	65	65	65	65
Compressor Configuration**			DC x4	DC x4	DC x4	DC x4	DC x4
Refrigerant Charge		kg	8.5 + (14.0 x 3)	8.5 + (14.0 x 3)	9.0 + (14.0 x 3)	14.0 x 4	14.0 x 4
Unit Dimension (WxHxD)		mm	[935x1600x765] + [1340x1600x765) x 3]			[1340x1600x765] x 4	
Packing Dimension (WxHxD)		mm	[980x1850x810] + [(1400x1850x810) x 3]			[1400x1850x810] x 4	
Weight	Net	kg	223+(298 x 3)	223+(298 x 3)	248+(298 x 3)	298 x 4	298 x 4
	Gross	kg	243+(320 x 3)	243+(320 x 3)	268+(320 x 3)	320 x 4	320 x 4
Pipe size	Liquid	in (mm)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)
	Gas	in (mm)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)	1-7/8" (47.60)

** DC: DC Inverter Scroll Compressor

Individual VRF Outdoor Units

- DC inverter compressor
- Capacity up to 32HP
- Connectable indoor unit quantity up to 53
- Precise oil control technology
- Intelligent defrosting technology
- Simple communication wiring
- Auto addressing
- Easy maintenance

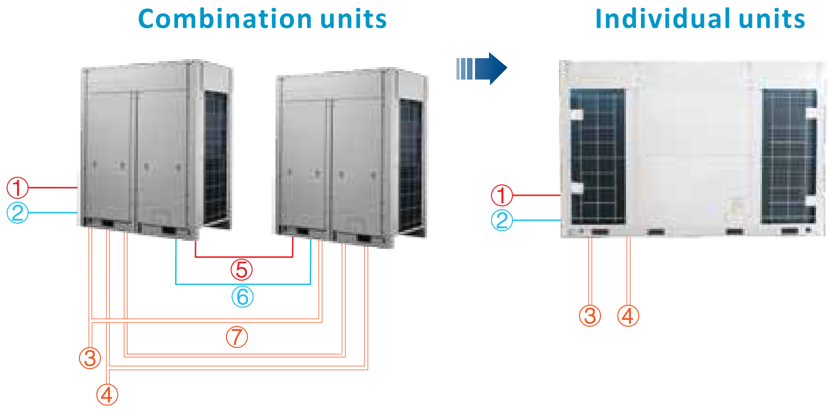
• Optimal Design for Middle-sized Buildings

• Integrated Design, Easy Installation and Less Leakage Possibility

As compared to combination units, the individual unit does not require complicated piping and wiring on the jobsite.

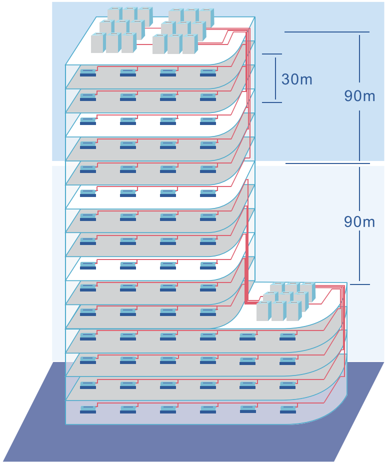
It eliminates the communication wire, power wire, oil balance pipe, and refrigerant distributors between units.

Also, lesser requirement of joints in the individual system minimizes the possibility of moisture entering the system.



① Power and grounding wire
② Communication wire
③ Main gas pipe
④ Main liquid pipe
⑤ Power and grounding wire
⑥ Communication wire
⑦ Oil balance pipe

• Long Piping Length



Total Piping length: 1000m

Maximum actual piping length: 175m

Maximum equivalent length: 190m

Maximum piping length from first indoor branch to furthest indoor unit: 40m

Maximum height different between indoor unit: 30m

Maximum height difference between outdoor unit and indoor unit:
Outdoor unit is located above indoor unit : 90m
Outdoor unit is located below indoor unit : 90m

Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVN-L280D-E23B; **Fujipure: P**VN-L280D-E23B

Model			*VN-L220D-E23B	*VN-L240D-E23B	*VN-L260D-E23B	*VN-L280D-E23B	*VN-L300D-E23B	*VN-L320D-E23B
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Cooling	Rated Capacity (T1)	Btu/hr (kW)	209,800 (61.5)	228,600 (67.0)	249,000 (73.0)	267,800 (78.5)	290,000 (85.0)	307,000 (90.0)
	Power Input (T1)	kW	18.7	20.1	21.9	23.7	25.8	27.5
	EER	W/W	3.3	3.3	3.3	3.3	3.3	3.3
Heating	Capacity	Btu/hr (kW)	235,400 (69.0)	255,900 (75.0)	278,100 (81.5)	298,600 (87.5)	324,100 (95.0)	341,200 (100.0)
	Power Input	kW	17.8	19.3	20.2	22.0	24.4	26.3
	COP	W/W	3.9	3.9	4.0	4.0	3.9	3.8
Max. Input Consumption		kW	22.6	26.2	36.2	36.8	40.1	40.8
Max. Current		A	36.2	41.9	57.9	58.9	64.1	65.3
Max. of Indoor Units			36	39	43	46	50	53
Air Flow Rate		CFM (CMH)	12,353 (21,000)	12,353 (21,000)	16,471 (28,000)	16,471 (28,000)	17,647 (30,000)	17,647 (30,000)
Noise Level		dB(A)	63	63	65	65	65	65
Outdoor Fan Motor			AC Motor x2	AC Motor x2	AC Motor x2	AC Motor x2	AC Motor x2	AC Motor x2
Compressor Configuration**			DC x2	DC x2	DC x2	DC x2	DC x2	DC x2
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant Charge		kg	18.0	18.0	25.0	25.0	25.0	25.0
Unit Dimension (WxHxD)		mm	1590x1600x765	1590x1600x765	2350x1600x765	2350x1600x765	2350x1600x765	2350x1600x765
Packing Dimension (WxHxD)		mm	1650x1850x810	1650x1850x810	2410x1770x815	2410x1770x815	2410x1770x815	2410x1770x815
Net / Gross Weight		kg	375 / 391	375 / 391	500 / 515	500 / 515	500 / 515	500 / 515
Pipe size	Liquid	in (mm)	5/8" (15.88)	5/8" (15.88)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)
	Gas	in (mm)	1-1/8" (28.58)	1-1/8" (28.58)	1-3/8" (34.93)	1-3/8" (34.93)	1-3/8" (34.93)	1-3/8" (34.93)
Max. Equivalent Refrigerant Pipe Length		m	190	190	190	190	190	190
Max. Height Diff. Between IDUs		m	30	30	30	30	30	30
Max. Height Diff. Between ODU & IDU*		m	90	90	90	90	90	90

*DC: DC Inverter scroll compressor

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor
3. Operation Range: Cooling -5°C ~ 52°C; Heating -20°C ~ 24°Outdoor
4. Performance of the unit varies according to the type of compressor used.

Indoor Units Four-way Cassette

Accessories

	Standard	Optional	Built-in
Remote controller	●		
Wired controller		●	
EXV			●

1. High efficient energy saving

Excellent system design, selection of the core components, the perfect combination of technology and technological innovation.
Innovative 3D spiral wind leaf, reduce the air power's consumption and noise, making the supply air more quiet and smoothly.

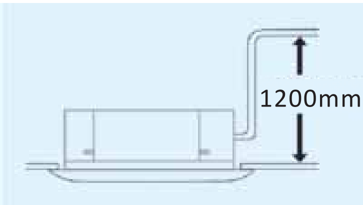
3D spiral wind leaf

2. 6-segment heating exchanger design

- Compact structure.
- Innovative exchanger design enlarges the heat exchanging area.
- Heat Exchanging efficiency increased by 10% to 15%.

3. Built-in water drainage pump

The built-in water pump can lift condensate water up to height of 1200mm from drainage pan.

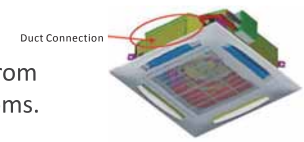


4. Fresh air intake

Fresh air makes indoor air quality healthy.

5. Duct connection

Air duct can be connected from 4 sides of unit to nearby rooms.



6. Digital tube display

Digital tube displays content : indoor temperature, temperature setting, mode of operation, etc. Clearly to check the unit operation status and convenient for troubleshooting.

7. 4 stepping motor

Each louver is controlled by an independent stepping motor, which manage to made louver swing flexible.

8. Decoration panel

Decoration panel has been treated with dirt-repellent coating.

Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: **F**VI-T020D-A23N; **Fujipure:** **P**VI-T020D-A23N

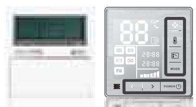
Model			*VI-T010D-A23N	*VI-T013D-A23N	*VI-T016D-A23N	*VI-T020D-A23N	*VI-T025D3-A23N	*VI-T028D3-A23N
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Rated Cooling Capacity (T1)		Btu/hr (kW)	9,600 (2.8)	12,300 (3.6)	15,400 (4.5)	19,100 (5.6)	24,300 (7.1)	27,300 (8.0)
Rated Cooling Capacity (T3)		Btu/hr (kW)	8,640 (2.5)	11,100 (3.3)	13,900 (4.1)	17,200 (5.0)	21,900 (6.4)	24,600 (7.2)
Rated Heating Capacity		Btu/hr (kW)	10,300 (3.0)	14,700 (4.3)	17,200 (5.0)	21,500 (6.3)	27,300 (8.0)	34,200 (10.0)
Power Input		kW	0.07	0.07	0.08	0.08	0.10	0.10
Air flow (High Speed)		CFM (CMH)	365 (620)	365 (620)	500 (850)	500 (850)	735 (1,250)	735(1,250)
Noise Level (High Speed)		dB(A)	38	38	39	39	38	38
Main Body (WxHxD)	Unit Dimension	mm	615x263x615	615x263x615	615x263x615	615x263x615	835x250x835	835x250x835
	Packing Dimension	mm	700x330x700	700x330x700	700x330x700	700x330x700	910x310x910	910x310x910
	Net / Gross Weight	kg	20 / 25	20 / 25	20 / 25	20 / 25	27 / 34	27 / 34
Panel (WxHxD)	Unit Dimension	mm	650x55x650	650x55x650	650x55x650	650x55x650	950x55x950	950x55x950
	Packing Dimension	mm	710x80x710	710x80x710	710x80x710	710x80x710	1000x100x1000	1000x100x1000
	Net / Gross Weight	kg	3 / 5	3 / 5	3 / 5	3 / 5	5 / 7	5 / 7
Pipe Size	Liquid	in (mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	3/8" (9.52)	3/8" (9.52)
	Gas	in (mm)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)	5/8" (15.88)	5/8" (15.88)
Drainage Water Pipe Outer Diameter		mm	DN20	DN20	DN20	DN20	DN20	DN20

Model			*VI-T030D3-A23N	*VI-T035D3-A23N	*VI-T040D3-A23N	*VI-T045D3-A23N	*VI-T050D3-A23N
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Rated Cooling Capacity (T1)		Btu/hr (kW)	30,700 (9.0)	34,200 (10.0)	38,300 (11.2)	42,700 (12.5)	47,800 (14.0)
Rated Cooling Capacity (T3)		Btu/hr (kW)	27,700 (8.1)	30,700 (9.0)	34.500 (10.1)	38,500 (11.3)	43,000 (12.6)
Rated Heating Capacity		Btu/hr (kW)	37,600 (11.0)	41,000 (12.0)	43,700 (12.8)	45,400 (13.3)	51,200 (15.0)
Power Input		kW	0.18	0.18	0.20	0.20	0.20
Air flow (High Speed)		CFM (CMH)	883 (1,500)	883 (1,500)	1,059 (1,800)	1,059 (1,800)	1,059 (1,800)
Noise Level (High Speed)		dB(A)	41	41	41	41	41
Main Body (WxHxD)	Unit Dimension	mm	835x250x835	835x250x835	835x290x835	835x290x835	835x290x835
	Packing Dimension	mm	910x310x910	910x310x910	910x350x910	910x350x910	910x350x910
	Net / Gross Weight	kg	28 / 35	28 / 35	30 / 37	30 / 37	30 / 37
Panel (WxHxD)	Unit Dimension	mm	950x55x950	950x55x950	950x55x950	950x55x950	950x55x950
	Packing Dimension	mm	1000x100x1000	1000x100x1000	1000x100x1000	1000x100x1000	1000x100x1000
	Net / Gross Weight	kg	5 / 7	5 / 7	5 / 7	5 / 7	5 / 7
Pipe Size	Liquid	in (mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Gas	in (mm)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
Drainage Water Pipe Outer Diameter		mm	DN20	DN20	DN20	DN20	DN20

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor
3. Operation Range: Cooling -5°C ~ 52°C; Heating -20°C ~ 24°Outdoor
4. Performance of the unit varies according to the type of compressor used.

Indoor Units Ceiling & Floor

Standard



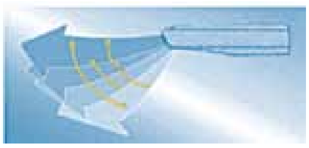
Optional

Accessories

	Standard	Optional	Built-in
Remote controller	●		
Wired controller		●	
EXV			●

1. Dual-direction swing, wide swing angle

Vertical and horizontal swing function make it possible to blow air to every corner of the room.

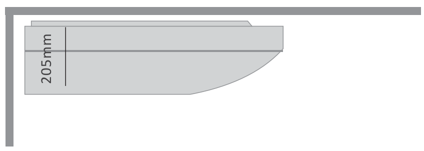


2. Flexible installation

Unit can be installed vertically against the wall or horizontally below the ceiling.

3. Ultra slim design

Thinner and Lighter.



4. Adjustable fan speed, innovatice centrifugal fan

All units are equipped with 3 fan speed to control, air flow rate can be adjusted accord to user's requirements.

Innovative centrifugal fan with large air volume and lower noise level, making the supply air more quiet and smoother.

Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-E020D-A23N; **Fujipure: P**VI-E020D-A23N

Model			*VI-E016D-A23N	*VI-E020D-A23N	*VI-E025D-A23N	*VI-E028D-A23N
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Rated Cooling Capacity (T1)		Btu/hr (kW)	15,400 (4.5)	19,100 (5.6)	24,300 (7.1)	27,300 (8.0)
Rated Cooling Capacity (T3)		Btu/hr (kW)	13,900 (4.1)	17,200 (5.0)	21,900 (6.4)	24,600 (7.2)
Rated Heating Capacity		Btu/hr (kW)	17,200 (5.0)	20,500 (6.0)	27,300 (8.0)	34,200 (10.0)
Power Input		kW	0.08	0.08	0.14	0.14
Air flow (High Speed)		CFM (CMH)	559 (950)	559 (950)	765 (1,300)	883 (1,500)
Noise Level (High Speed)		dB(A)	42	42	45	47
Unit Dimension (WxHxD)		mm	929x205x660	929x205x660	1280x205x660	1280x205x660
Packing Dimension (WxHxD)		mm	1010x290x720	1010x290x720	1360x290x720	1360x290x720
Net / Gross Weight		kg	26 / 29	26 / 29	35 / 39	35 / 39
Pipe Size	Liquid	in (mm)	1/4" (6.35)	1/4" (6.35)	3/8" (9.52)	3/8" (9.52)
	Gas	in (mm)	1/2" (12.70)	1/2" (12.70)	5/8" (15.88)	5/8" (15.88)
Drainage Water Pipe Outer Diameter		mm	DN20	DN20	DN20	DN20

Model			*VI-E030D-A23N	*VI-E035D-A23N	*VI-E040D-A23N	*VI-E045D-A23N	*VI-E050D-A23N
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Rated Cooling Capacity (T1)		Btu/hr (kW)	30,700 (9.0)	34,200 (10.0)	38,300 (11.2)	42,700 (12.5)	47,800 (14.0)
Rated Cooling Capacity (T3)		Btu/hr (kW)	27,700 (8.1)	30,700 (9.0)	34.500 (10.1)	38,500 (11.3)	43,000 (12.6)
Rated Heating Capacity		Btu/hr (kW)	37,600 (11.0)	41,000 (12.0)	43,700 (12.8)	45,400 (13.3)	51,200 (15.0)
Power Input		kW	0.14	0.14	0.21	0.21	0.21
Air flow (High Speed)		CFM (CMH)	883 (1,500)	883 (1,500)	1,059 (1,800)	1,059 (1,800)	1,059 (1,800)
Noise Level (High Speed)		dB(A)	47	47	48	48	48
Unit Dimension (WxHxD)		mm	1280x205x660	1280x205x660	1631x205x660	1631x205x660	1631x205x660
Packing Dimension (WxHxD)		mm	1360x290x720	1360x290x720	1710x290x720	1710x290x720	1710x290x720
Net / Gross Weight		kg	35 / 39	35 / 39	45 / 51	45 / 51	45 / 51
Pipe Size	Liquid	in (mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Gas	in (mm)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
Drainage Water Pipe Outer Diameter		mm	DN20	DN20	DN20	DN20	DN20

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor
3. Operation Range: Cooling -5°C ~ 52°C; Heating -20°C ~ 24°Outdoor
4. Performance of the unit varies according to the type of compressor used.

Indoor Units Wall-mounted

Accessories

	Standard	Optional	Built-in
Remote controller	●		
Wired controller		●	
EXV			●

Standard

Optional

1. Strong air supply

Adopt cross fan and optimization wind path design, supply air is strong and quiet.

2. Easy and flexible installation

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-W010D2-A23N; **Fujipure: P**VI-W010D2-A23N

Specifications

Model			*VI-W008D2-A23N	*VI-W010D2-A23N	*VI-W013D2-A23N	*VI-W016D2-A23N	*VI-W020D2-A23N	*VI-W025D2-A23N
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Rated Cooling Capacity (T1)		Btu/hr (kW)	7,600 (2.2)	9,600 (2.8)	12,300 (3.6)	15,400 (4.5)	19,100 (5.6)	24,300 (7.1)
Rated Cooling Capacity (T3)		Btu/hr (kW)	6,840 (2.0)	8,640 (2.5)	11,100 (3.3)	13,900 (4.1)	17,200 (5.0)	21,900 (6.4)
Rated Heating Capacity		Btu/hr (kW)	8,600 (2.5)	10,300 (3.0)	14,700 (4.3)	17,200 (5.0)	20,500 (6.0)	27,300 (8.0)
Power Input		kW	0.04	0.04	0.04	0.07	0.07	0.08
Air flow (High Speed)		CFM (CMH)	382 (650)	382 (650)	382 (650)	500 (850)	500 (850)	706 (1,200)
Noise Level (High Speed)		dB(A)	38	38	38	45	45	48
Unit Dimension (WxHxD)		mm	850x300x198	850x300x198	850x300x198	970x315x235	970x315x235	1110x330x235
Packing Dimension (WxHxD)		mm	885x360x270	885x360x270	885x360x270	1010x370x300	1010x370x300	1140x385x300
Net / Gross Weight		kg	10 / 13	10 / 13	10 / 13	14 / 18	14 / 18	16 / 20
Pipe Size	Liquid	in (mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	3/8" (9.52)
	Gas	in (mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	1/2" (12.70)	1/2" (12.70)	5/8" (15.88)
Drainage Water Pipe Outer Diameter		mm	DN20	DN20	DN20	DN20	DN20	DN20

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor
3. Operation Range: Cooling -5°C ~ 52°C; Heating -20°C ~ 24°Outdoor
4. Performance of the unit varies according to the type of compressor used.

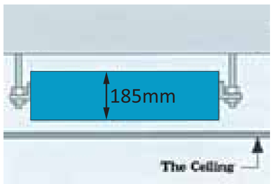
Indoor Units Slim Duct

Accessories

	Standard	Optional	Built-in
Remote controller		●	
Wired controller	●		
EXV			●

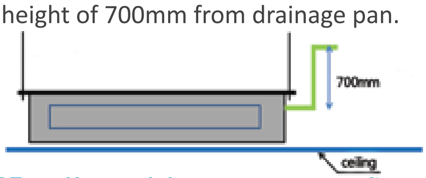
1. Ultra slim design

Thinner, lighter and save more spaces.



2. (Optional) Built-in water drainage pump

The built-in water pump can lift condensate water up to height of 700mm from drainage pan.

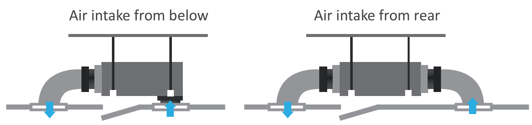


3. ESP adjustable, more comfortable

Unit with two adjustable ESP : 10Pa or 30Pa. Users are free to choose the ESP based on their requirements.

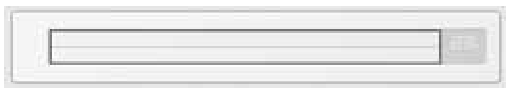
4. Flexible air intake options

Air intake from rear as standard, from bottom as optional. The size of the plate from bottom is same as flange from back, which makes it convenient to change installation method due to different decoration requiremetns.



5. (Optional) Eleganat design air discharge panel

Elegant and modern design discharge panel suitable for room and office decoration. With discharge panel easy to control the air direction, display temperature, mode, error code.



6. Option for drainage

Easy for piping installation, drainage available for left and right side.

Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-C020SD-A23N; **Fujipure: PV**I-C020SD-A23N

Model			*VI-C008SD-A23N	*VI-C010SD-A23N	*VI-C013SD-A23N	*VI-C016SD-A23N	*VI-C020SD-A23N	*VI-C025SD-A23N
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Rated Cooling Capacity (T1)		Btu/hr (kW)	7,600 (2.2)	9,600 (2.8)	12,300 (3.6)	15,400 (4.5)	19,100 (5.6)	24,300 (7.1)
Rated Cooling Capacity (T3)		Btu/hr (kW)	6,840 (2.0)	8,640 (2.5)	11,100 (3.3)	13,900 (4.1)	17,200 (5.0)	21,900 (6.4)
Rated Heating Capacity		Btu/hr (kW)	8,600 (2.5)	10,300 (3.0)	14,700 (4.3)	17,200 (5.0)	20,500 (6.0)	27,300 (8.0)
Power Input		kW	0.06	0.06	0.07	0.09	0.09	0.11
Air flow (High Speed)		CFM (CMH)	282 (480)	282 (480)	330 (560)	500 (850)	500 (850)	589 (1,000)
External Static Pressure		in. W.G. (Pa)	0.04"/4.35" (10/30)	0.04"/4.35" (10/30)	0.04"/4.35" (10/30)	0.04"/4.35" (10/30)	0.04"/4.35" (10/30)	0.04"/4.35" (10/30)
Noise Level (High Speed)		dB(A)	30	30	32	38	38	39
Unit Dimension (WxHxD)		mm	840x185x460	840x185x460	840x185x460	1160x185x460	1160x185x460	1160x185x460
Packing Dimension (WxHxD)		mm	1030x250x545	1030x250x545	1030x250x545	1350x250x545	1350x250x545	1350x250x545
Net / Gross Weight		kg	16 / 19	16 / 19	17 / 20	20 / 24	20 / 24	22 / 26
Pipe Size	Liquid	in (mm)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	1/4" (6.35)	3/8" (9.52)
	Gas	in (mm)	3/8" (9.52)	3/8" (9.52)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)	5/8" (15.88)
Drainage Water Pipe Outer Diameter		mm	DN20	DN20	DN20	DN20	DN20	DN20

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor
3. Operation Range: Cooling -5°C ~ 52°C; Heating -20°C ~ 24°Outdoor
4. Performance of the unit varies according to the type of compressor used.

Indoor Units Mid ESP Duct

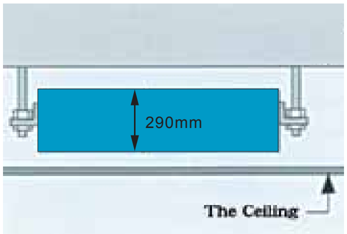
Accessories

	Standard	Optional	Built-in
Remote controller		●	
Wired controller	●		
EXV			●

Remark: With filter equipped.

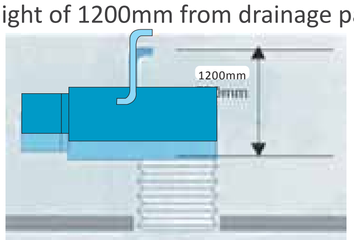
1. Ultra slim design

Thinner, lighter and save more spaces.



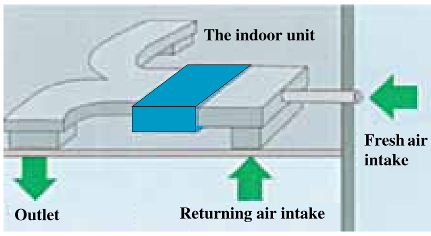
2. (Optional) Built-in water drainage pump

The built-in water pump can lift condensate water up to height of 1200mm from drainage pan.



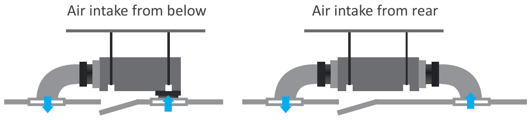
4. Fresh air intake

Reversed fresh air intake hole where convenient for duct connection.



5. Flexible air intake options

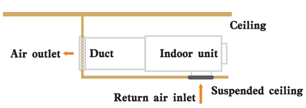
Air intake from rear as standard, from bottom as optional. The size of the plate from bottom is same as flange from back, which makes it convenient to change installation method due to different decoration requiremetns.



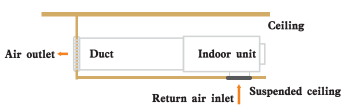
3. ESP adjustable, more comfortable

Unit with two adjustable ESP : 50Pa or 80Pa. Users are free to choose the ESP based on their requirements.

50Pa



80Pa



Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-C020MD-A23N; **Fujipure: P**VI-C020MD-A23N

Model			*VI-C016MD-A23N	*VI-C020MD-A23N	*VI-C025MD-A23N	*VI-C028MD-A23N	*VI-C030MD-A23N
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Rated Cooling Capacity (T1)		Btu/hr (kW)	15,400 (4.5)	19,100 (5.6)	24,300 (7.1)	27,300 (8.0)	30,700 (9.0)
Rated Cooling Capacity (T3)		Btu/hr (kW)	13,900 (4.1)	17,200 (5.0)	21,900 (6.4)	24,600 (7.2)	27,700 (8.1)
Rated Heating Capacity		Btu/hr (kW)	17,200 (5.0)	20,500 (6.0)	27,300 (8.0)	34,200 (10.0)	37,600 (11.0)
Power Input		kW	0.15	0.15	0.22	0.25	0.25
Air flow (High Speed)		CFM (CMH)	559 (950)	559 (950)	706 (1,200)	883 (1,500)	883 (1,500)
External Static Pressure		in. W.G. (Pa)	0.20"/0.32" (50/80)	0.20"/0.32" (50/80)	0.20"/0.32" (50/80)	0.20"/0.32" (50/80)	0.20"/0.32" (50/80)
Noise Level (High Speed)		dB(A)	42	42	45	48	48
Unit Dimension (WxHxD)		mm	890x290x785	890x290x785	890x290x785	890x290x785	890x290x785
Packing Dimension (WxHxD)		mm	1100x360x880	1100x360x880	1100x360x880	1100x360x880	1100x360x880
Net / Gross Weight		kg	35 / 41	35 / 41	37 / 43	37 / 43	37 / 43
Pipe Size	Liquid	in (mm)	1/4" (6.35)	1/4" (6.35)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Gas	in (mm)	1/2" (12.70)	1/2" (12.70)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
Drainage Water Pipe Outer Diameter		mm	DN20	DN20	DN20	DN20	DN20

Model			*VI-C035MD-A23N	*VI-C040MD-A23N	*VI-C045MD-A23N	*VI-C050MD-A23N	*VI-C052MD-A23N
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Rated Cooling Capacity (T1)		Btu/hr (kW)	34,200 (10.0)	38,300 (11.2)	42,700 (12.5)	47,800 (14.0)	51,200 (15.0)
Rated Cooling Capacity (T3)		Btu/hr (kW)	30,700 (9.0)	34.500 (10.1)	38,500 (11.3)	43,000 (12.6)	46,100 (13.5)
Rated Heating Capacity		Btu/hr (kW)	41,000 (12.0)	43,700 (12.8)	45,400 (13.3)	51,200 (15.0)	54,600 (16.0)
Power Input		kW	0.25	0.32	0.32	0.32	0.32
Air flow (High Speed)		CFM (CMH)	883 (1,500)	1,177 (2,000)	1,177 (2,000)	1,177 (2,000)	1,295 (2,200)
External Static Pressure		in. W.G. (Pa)	0.20"/0.32" (50/80)	0.20"/0.32" (50/80)	0.20"/0.32" (50/80)	0.20"/0.32" (50/80)	0.20"/0.32" (50/80)
Noise Level (High Speed)		dB(A)	48	51	51	51	51
Unit Dimension (WxHxD)		mm	890x290x785	1250x290x785	1250x290x785	1250x290x785	1250x290x785
Packing Dimension (WxHxD)		mm	1100x360x880	1460x360x880	1460x360x880	1460x360x880	1460x360x880
Net / Gross Weight		kg	37 / 43	53 / 60	53 / 60	53 / 60	53 / 60
Pipe Size	Liquid	in (mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Gas	in (mm)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
Drainage Water Pipe Outer Diameter		mm	DN20	DN20	DN20	DN20	DN20

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor
3. Operation Range: Cooling -5°C ~ 52°C; Heating -20°C ~ 24°Outdoor
4. Performance of the unit varies according to the type of compressor used.

Indoor Units High ESP Duct

Accessories

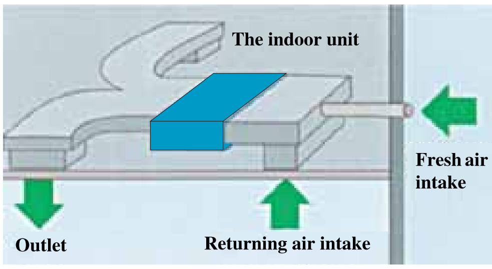
	Standard	Optional	Built-in
Remote controller		●	
Wired controller	●		
EXV			●

Remark: With filter equipped.

Standard　　Optional

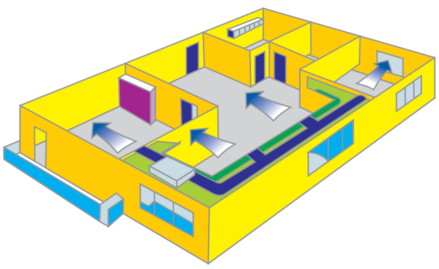
1. Fresh air intake

Reversed fresh air intake hole where convenient for duct connection.



2. High ESP design, long distance air supply

High ESP allowed air supply with maximum length of 16m, and 6.5m height.



3. Applicable to a variety of room type

Specific ESP designed allowed unit appllied to various type of room easily, such as L-type or U-type room. The air outlet can be set seperately from the indoor unit, so that air flow can be distributed even to the irregular structure of room.

Room 1: L Type;　Room 2: U Type;　Room 3: Narrow Type

Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FVI-D040D-A23N; **Fujipure: PV**I-D040D-A23N

Model			*VI-D040D-A23N	*VI-D045D-A23N	*VI-D050D-A23N	*VI-D052D-A23N
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Rated Cooling Capacity (T1)		Btu/hr (kW)	38,300 (11.2)	42,700 (12.5)	47,800 (14.0)	51,200 (15.0)
Rated Cooling Capacity (T3)		Btu/hr (kW)	34.500 (10.1)	38,500 (11.3)	43,000 (12.6)	46,100 (13.5)
Rated Heating Capacity		Btu/hr (kW)	43,700 (12.8)	45,400 (13.3)	51,200 (15.0)	54,600 (16.0)
Power Input		kW	0.60	0.60	0.60	0.60
Air flow (High Speed)		CFM (CMH)	1,177 (2,000)	1,177 (2,000)	1,177 (2,000)	1,177 (2,000)
External Static Pressure		in. W.G. (Pa)	0.78" (196)	0.78" (196)	0.78" (196)	0.78" (196)
Noise Level (High Speed)		dB(A)	60	60	60	60
Unit Dimension (WxHxD)		mm	1200x380x719	1200x380x719	1200x380x719	1200x380x719
Packing Dimension (WxHxD)		mm	1235x415x760	1235x415x760	1235x415x760	1235x415x760
Net / Gross Weight		kg	56 / 59	56 / 59	56 / 59	56 / 59
Pipe Size	Liquid	in (mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Gas	in (mm)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)	3/4" (19.05)
Drainage Water Pipe Outer Diameter		mm	DN20	DN20	DN20	DN20

Model			*VI-D075D-A23N	*VI-D100D-A23N	*VI-D160D-E23N	*VI-D200D-E23N
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	380- 415 / 3 / 50	380 - 415 / 3 / 50
Rated Cooling Capacity (T1)		Btu/hr (kW)	75,000 (22.0)	95,600 (28.0)	153,600 (45.0)	191,100 (56.0)
Rated Cooling Capacity (T3)		Btu/hr (kW)	67,500 (19.8)	86,100 (25.2)	138,300 (40.5)	172,000 (50.4)
Rated Heating Capacity		Btu/hr (kW)	83,600 (24.5)	105,800 (31.0)	168,900 (49.5)	209,900 (61.5)
Power Input		kW	1.25	1.25	2.22	2.22
Air flow (High Speed)		CFM (CMH)	2,354 (4,000)	2,354 (4,000)	4,708 (8,000)	4,708 (8,000)
External Static Pressure		in. W.G. (Pa)	0.88" (220)	0.88" (220)	0.80" (200)	0.80" (200)
Noise Level (High Speed)		dB(A)	55	55	63	63
Unit Dimension (WxHxD)		mm	1350x460x700	1350x460x700	2115x855x990	2115x855x990
Packing Dimension (WxHxD)		mm	1540x610x810	1540x610x810	2225x1015x1025	2225x1015x1025
Net / Gross Weight		kg	91/110	91/110	225 / 260	225 / 260
Pipe Size	Liquid	in (mm)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70) x2	1/2" (12.70) x2
	Gas	in (mm)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20) x2	7/8" (22.20) x2
Drainage Water Pipe Outer Diameter		mm	DN25	DN25	DN25	DN25

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor
3. Operation Range: Cooling -5°C ~ 52°C; Heating -20°C ~ 24°Outdoor
4. Performance of the unit varies according to the type of compressor used.

Indoor Units Fresh Air Processor

Accessories

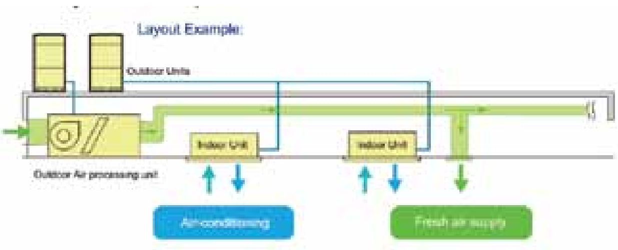
	Standard	Optional	Built-in
Remote controller		●	
Wired controller	●		
EXV			●

Remark: With filter equipped.

Standard Optional

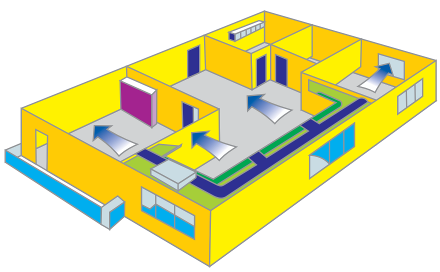
1. Healthy outdoor air

Outdoor air can become a part of your home. A choice between cool or hot, ambient air is filtered and brought to indoors at room temperature. Now, you do not have to go outside to breathe in fresh air.



2. High ESP design, long distance air supply

High ESP allowed air supply with maximum length of 16m, and 6.5m height.



3. Applicable to a variety of room type

Specific ESP designed allowed unit appllied to various type of room easily, such as L-type or U-type room. The air outlet can be set seperately from the indoor unit, so that air flow can be distributed even to the irregular structure of room.

Room 1: L Type; Room 2: U Type; Room 3: Narrow Type

Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: **F**VA-D100D-A23N; **Fujipure: P**VA-D100D-A23N

Model			*VA-D075D-A23N	*VA-D100D-A23N	*VA-D160D-E23N	*VA-D200D-E23N
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Rated Cooling Capacity (T1)		Btu/hr (kW)	75,000 (22.0)	95,600 (28.0)	153,600 (45.0)	191,100 (56.0)
Rated Cooling Capacity (T3)		Btu/hr (kW)	67,500 (19.8)	86,100 (25.2)	138,300 (40.5)	172,000 (50.4)
Rated Heating Capacity		Btu/hr (kW)	83,600 (24.5)	105,800 (31.0)	168,900 (49.5)	209,900 (61.5)
Power Input		kW	1.0	1.0	1.5	1.5
Air flow (High Speed)		CFM (CMH)	1,882 (3,200)	1,882 (3,200)	2,354 (4,000)	2,943 (5,000)
External Static Pressure		in. W. G. (Pa)	0.88" (220)	0.88" (220)	0.88" (220)	0.88" (220)
Noise Level (High Speed)		dB(A)	55	55	57	59
Unit Dimension (WxHxD)		mm	1350x460x700	1350x460x700	1820x855x990	2115x855x990
Packing Dimension (WxHxD)		mm	1540x610x810	1540x610x810	1935x1015x1025	2225x1015x1025
Net / Gross Weight		kg	91 / 110	91 / 110	150 / 170	225 / 255
Pipe Size	Liquid	in (mm)	1/2" (12.70)	1/2" (12.70)	1/2" (12.70)x2	1/2" (12.70)x2
	Gas	in (mm)	7/8" (22.20)	7/8" (22.20)	7/8" (22.20)x2	7/8" (22.20)x2
Drainage Water Pipe Outer Diameter		mm	DN25	DN25	DN25	DN25

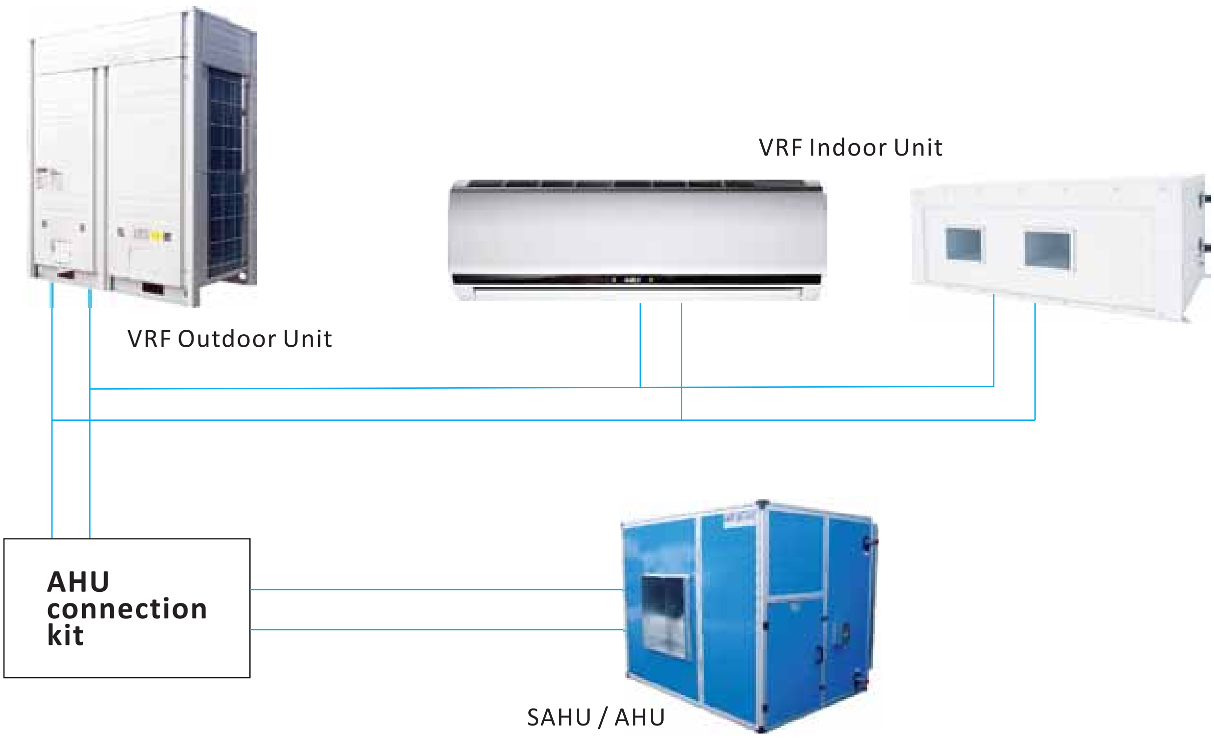
1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor
3. Operation Range: Cooling -5°C ~ 52°C; Heating -20°C ~ 24°Outdoor
4. Performance of the unit varies according to the type of compressor used.

Connection Conditions :

- The following restrictions must be observed in order to maintain the indoor units connected to the same system.
- When outdoor-air processing units are connected, the total connection capacity must be within 50% to 100% of that of the outdoor units.
- When outdoor-air processing units are connected standard indoor units, the total connection capacity of the outdoor-processing units must not exceed 30% of that of the outdoor unit.
- Outdoor-air processing units can be used without other type of indoor units.

AHU Connection Kits

AHU Kit connects VRF outdoor to Air Handling Units System, using the same refrigerant circuit as the VRF system. Applicable for hotels, offices, server room or all large buildings where air quality control such as humidity control and fresh air is needed.



AHU Kit Model	*VI-DAHU-10	*VI-DAHU-20
Allowed Heat Exchanger Capacity	≤10HP	≤20HP

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: **F**VI-DAHU-10; **Fujipure:** **P**VI-DAHU-10

Modular Air Handling Unit

Cabinet
- Extruded Aluminum with thermal Break
- Double Skinned Panel
- External 0.5mm and Internal 0.5mm GI Sheet
- 25mm thickness option 50mm
- Density 40kg/m³ PU Insulation

Blower
- Forward, Backward Curve and Airfoil Fan
- Belt Driven
- Flexible Canvas Discharge Connection
- Internal Mount Motor

Motor
- Single Motor
- NBK fix Pully
- Option:
  - Taper Locke Pulley
  - Variable Pitch Pulley Available (2 grooves)
- Internal isolator
  - 1" or 2" Deflection Spring Isolator for Fan Size 400 and above
  - Rubber Mounting for Fan Size 355 and Below
- Heavy Duty Mounting Frame
- Front or Top Discharge

Filters
- Flat or Pre-filter
  - Washable R15 (75-80% Arr.)
  - Washable R29 (80-85% Arr.)
- Bag Filter (21" Depth)
  - 80-85% Eff.
  - 90-95% Eff.
- Filter Frame
  - Sliding
  - UHF

Mixing Box Section
- Control Return and Fresh Air Intake Volume
- Single Plate Oppose Damper
- Manual Adjust , Able to Connect for Motorize Operation
- Electrical Heater
- Empty Section

Coil Type
- Coil Material (Standard)
  - 3/8" & 1/2" Tube
  - Aluminum Fin
  - Frame : GI
  - Steel Header
- Options
  - SS 304 Drain pan
  - Hydrophilic/Copper Fin
  - Stainless Steel Frame
- Ripples Corrugated Fin, 8/10/12 FPI
- Coil Rows - 2 to 10

Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FMA 0303; **Fujipure: P**MA 0303

MODEL	Height	Width	Air flow		
	mm	mm	Min, CFM	Nom, CFM	Max, CFM
*MA 0303	640	680	635	794	873
*MA 0305	640	870	933	1,165	1,280
*MA 0405	770	870	1,228	1,535	1,688
*MA 0407	770	1,060	1,652	2,065	2,270
*MA 0410	770	1,440	2,457	3,070	3,375
*MA 0414	770	1,830	3,262	4,075	4,480
*MA 0507	890	1,060	2,033	2,540	2,795
*MA 0510	890	1,440	3,093	3,865	4,250
*MA 0809	1,150	1,250	3,600	4,500	4,950
*MA 0812	1,150	1,640	5,040	6,350	6,925
*MA 0816	1,150	2,020	6,440	8,050	8,850
*MA 1010	1,440	1,440	5,550	6,930	7,630
*MA 1014	1,440	1,830	7,370	9,210	10,130
*MA 1018	1,440	2,210	9,235	11,540	12,700
*MA 1314	1,700	1,830	9,025	11,270	12,400
*MA 1316	1,700	2,020	10,165	12,700	13,975
*MA 1322	1,700	2,590	13,515	16,880	18,575
*MA 1616	2,020	2,020	12,455	15,570	17,125
*MA 1622	2,020	2,590	16,610	20,750	22,825
*MA 1824	2,210	2,780	20,000	25,000	27,500
*MA 1828	2,210	3,160	23,050	28,800	31,650
*MA 2128	2,460	3,160	26,140	32,650	35,900
*MA 2131	2,460	3,540	29,610	37,000	40,700
*MA 2228	2,590	3,160	27,660	34,550	38,000
*MA 2233	2,590	3,730	33,220	41,500	45,650
*MA 2329	2,710	3,350	31,140	38,900	42,800
*MA 2333	2,710	3,730	35,030	43,800	48,150

1. All specifications are subjected to change by manufacturer without prior notice.
2. CFM values are based on coil face velocity 2m/s, 2.5m/s and 7.5m/s for minimum, nominal and maximum values, respectively.

Standard Air Handling Unit (SAHU)

Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FDSV100CC-A23N; **Fujipure:** PDSV100CC-A23N

INDOOR UNIT SINGLE SKINNED MODEL			*DV 040CC-A23N	*DV 050CC-A23N	*DV 060CC-A23N	*DV 080CC-A23N	*DV 100CC-A23N
INDOOR UNIT DOUBLE SKINNED MODEL			*DSV 040CC-A23N	*DSV 050CC-A23N	*DSV 060CC-A23N	*DSV 080CC-A23N	*DSV 100CC-A23N
AHU KIT COMBINATION MODEL			*VI-DAHU-10	*VI-DAHU-10	*VI-DAHU-10	*VI-DAHU-10	*VI-DAHU-10
Rated Cooling Capacity	T1	Btu/hr (kW)	40,000 (11.7)	50,000 (14.7)	60,000 (17.6)	80,000 (23.4)	100,000 (29.3)
	T3	Btu/hr (kW)	35,800 (10.5)	44,500 (13.0)	53,400 (15.7)	65,600 (19.2)	85,000 (24.9)
Power Supply		V / Ph / Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
Power Input		kW	0.4	0.8	0.8	0.8	1.6
Running Current		A	1.8	3.4	3.7	3.7	6.7
Air Flow		CFM (CMH)	1,250 (2,124)	1,600 (2,718)	2,000 (3,398)	2,500 (4,247)	3,200 (5,437)
External Static Pressure		in W.G. (Pa)	0.4" (100)	0.4" (100)	0.4" (100)	0.4" (100)	0.4" (100)
Noise Level	FDA	dBA	62	62	65	66	71
	FDSA	dBA	60	60	63	64	69
Unit Dimension (WxHxD)	FDA	mm	858x500x764	858x500x764	1493x500x764	1493x500x764	1493x500x764
	FDSA	mm	920x647x764	920x647x764	1555x647x764	1555x647x764	1555x647x764
Packing Dimension (WxHxD)	FDA	mm	960x760x860	960x760x860	1610x760x860	1610x760x860	1610x760x860
	FDSA	mm	997x832x840	997x832x840	1632x832x840	1632x832x840	1632x832x840
Net / Gross Weight	FDA	kg / kg	44 / 50	48 / 55	73 / 83	84 / 94	88 / 98
	FDSA	kg / kg	67 / 72	89 / 95	140 / 150	150 / 160	179 / 189
Drain Pipe Size		in (mm)	1" (25.4)	1" (25.4)	1" (25.4)	1" (25.4)	1" (25.4)

INDOOR UNIT SINGLE SKINNED MODEL			*DV 125CC-E23N	*DV 150CC-E23N	*DV 200CB-E23N	*DV 250CB2-E23N	*DV 300CB2-E23N
INDOOR UNIT DOUBLE SKINNED MODEL			*DSV 125CC-E23N	*DSV 150CC-E23N	*DSV 200CB-E23N	*DSV 250CB2-E23N	*DSV 300CB2-E23N
AHU KIT COMBINATION MODEL			*VI-DAHU-20	*VI-DAHU-20	*VI-DAHU-20	*VI-DAHU-10 + *VI-DAHU-20	*VI-DAHU-10 + *VI-DAHU-20
Rated Cooling Capacity	T1	Btu/hr (kW)	125,000 (36.6)	150,000 (44.0)	200,000 (58.6)	250,000 (73.3)	300,000 (87.9)
	T3	Btu/hr (kW)	104,000 (30.5)	124,500 (36.5)	170,000 (49.8)	208,000 (61.0)	249,000 (73.0)
Power Supply		V / Ph / Hz	380-415 / 3 / 50	380-415 / 3 / 50	380-415 / 3 / 50	380-415 / 3 / 50	380-415 / 3 / 50
Power Input		kW	1.1	1.6	2.7	3.4	4.0
Running Current		A	3	3	6	8	8
Air Flow		CFM (CMH)	4,200 (7,136)	4,600 (7,815)	6,400 (10,873)	8,000 (13,592)	9,000 (15,291)
External Static Pressure		in W.G. (Pa)	0.6" (150)	0.6" (150)	0.6" (150)	0.8" (200)	0.8" (200)
Noise Level	FDA	dBA	77	79	85	87	89
	FDSA	dBA	75	75	81	85	87
Unit Dimension (WxHxD)	FDA	mm	1644x764x1034	1644x764x1034	1877x869x1040	1913x1300x1175	1913x1300x1175
	FDSA	mm	1767x878x1110	1767x878x1110	2000x978x1110	1891x1378x1180	1891x1378 x1180
Packing Dimension (WxHxD)	FDA	mm	1740x1050x1140	1740x1050x1140	2000x1,140x1140	2040x1540x1340	2040x1540x1340
	FDSA	mm	1859x1182x1182	1859x1182x1182	2092x1182x1216	2010x1528x1250	2010x1528x1250
Net / Gross Weight	FDA	kg / kg	128 / 143	132 / 147	180 / 197	250 / 270	270 / 290
	FDSA	kg / kg	242 / 257	251 / 266	283 / 298	349 / 369	360 / 380
Drain Pipe Size		in (mm)	1" (25.4)	1" (25.4)	1" (25.4)	1" (25.4)	1" (25.4)

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   Heating: 20°C DB / 15°C WB Indoor; 7°C DB / 6°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor

*DA60-100

*DA250-500

Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: **F**DSV400CB2-E23N; **Fujipure:** **P**DSV400CB2-E23N

INDOOR UNIT SINGLE SKINNED MODEL			*DV 350CB2-E23N	*DV 400CB2-E23N	*DV 450CB3-E23N
INDOOR UNIT DOUBLE SKINNED MODEL			*DSV 350CB2-E23N	*DSV 400CB2-E23N	*DSV 450CB3-E23N
AHU KIT COMBINATION MODEL			*VI-DAHU-20 x 2	*VI-DAHU-20 x 2	*VI-DAHU-10 + *VI-DAHU-20 x 2
Rated Cooling Capacity	T1	Btu/hr (kW)	350,000 (102.6)	400,000 (117.2)	450,000 (131.9)
	T3	Btu/hr (kW)	293,000 (85.9)	340,000 (99.6)	373,500 (109.4)
Power Supply		V / Ph / Hz	380-415 / 3 / 50	380-415 / 3 / 50	380-415 / 3 / 50
Power Input		kW	4.5	4.8	6.3
Running Current		A	10.9	10.9	14.4
Air Flow		CFM (CMH)	10,500 (17,839)	12,000 (20,387)	13,500 (22,936)
External Static Pressure		in W.G. (Pa)	0.8" (200)	0.8" (200)	1.0" (250)
Noise Level	*DA	dBA	92	90	93
	*DSA	dBA	90	88	91
Unit Dimension (WxHxD)	*DA	mm	2169 x 1550 x 1175	2,321 x 1,550 x 1,480	2,321 x 1,550 x 1,480
	*DSA	mm	2398 x 1648 x 1628	2,398 x 1,648 x 1,628	2,398 x 1,648 x 1,628
Packing Dimension (WxHxD)	*DA	mm	2,290 x 1,790 x 1,340	2,420 x 1,790 x 1,620	2,420 x 1,790 x 1,620
	*DSA	mm	2,420 x 1,780 x 1,700	2,420 x 1,780 x 1,700	2,420 x 1,780 x 1,700
Net / Gross Weight	*DA	kg / kg	320 / 340	330 / 355	339 / 364
	*DSA	kg / kg	388 / 408	498 / 518	568 / 588
Drain Pipe Size		in (mm)	1" (25.4)	1" (25.4)	1" (25.4)

INDOOR UNIT SINGLE SKINNED MODEL			*DV 500CB3-E23N	*DV 600CB3-E23N	*DV 750CB4-E23N
INDOOR UNIT DOUBLE SKINNED MODEL			*DSV 500CB3-E23N	*DSV 600CB3-E23N	*DSV 750CB4-E23N
AHU KIT COMBINATION MODEL			*VI-DAHU-10 + *VI-DAHU-20 x 2	*VI-DAHU-20 x 3	*VI-DAHU-20 x 4
Rated Cooling Capacity	T1	Btu/hr (kW)	500,000 (146.5)	600,000 (175.8)	750,000 (219.8)
	T3	Btu/hr (kW)	416,000 (122.0)	498,000 (146.0)	622,500 (182.5)
Power Supply		V / Ph / Hz	380-415 / 3 / 50	380-415 / 3 / 50	380-415 / 3 / 50
Power Input		kW	8.0	9.2	11.7
Running Current		A	20.7	20.7	28.1
Air Flow		CFM (CMH)	15,000 (25,484)	18,000 (30,581)	22,500 (38,226)
External Static Pressure		in W.G. (Pa)	1.0" (250)	1.2" (300)	1.4" (350)
Noise Level	FDV	dBA	96	89	93
	FDSV	dBA	94	87	91
Unit Dimension (WxHxD)	FDA	mm	2321x1550x1480	2321x1975x1830	2321x2250x1830
	FDSA	mm	2398x1648 x1628	2199x2147x2060	2199x2360x2060
Packing Dimension (WxHxD)	FDA	mm	2420x1790x1620	2321x2075x1830	2321x2350x1830
	FDSA	mm	2420x1780x1700	2199x2247x2060	2199x2460x2060
Net / Gross Weight	FDA	kg / kg	350 / 375	999 / 1,010	1,084 / 1,095
	FDSA	kg / kg	630 / 650	931 / 941	1,036 / 1,046
Drain Pipe Size		in (mm)	1" (25.4)	1" (25.4)	1" (25.4)

1. All specifications are subjected to change by manufacturer without prior notice.
2. Nominal cooling and heating capacities are based on the following conditions:
   T1: Cooling: 27°C DB / 19°C WB Indoor; 35°C DB / 24°C WB Outdoor
   T3: Cooling: 29°C DB / 19°C WB Indoor; 46°C DB / 24°C WB Outdoor

CONTROL SYSTEM

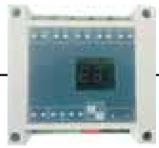
Wireless Network Centralized Control

Connect to various Gateway

Central controller

1 central controller can control max. 4 VRF system, and max. 64 indoor units.

Modbus BMS



Modbus Gateway

Central control software

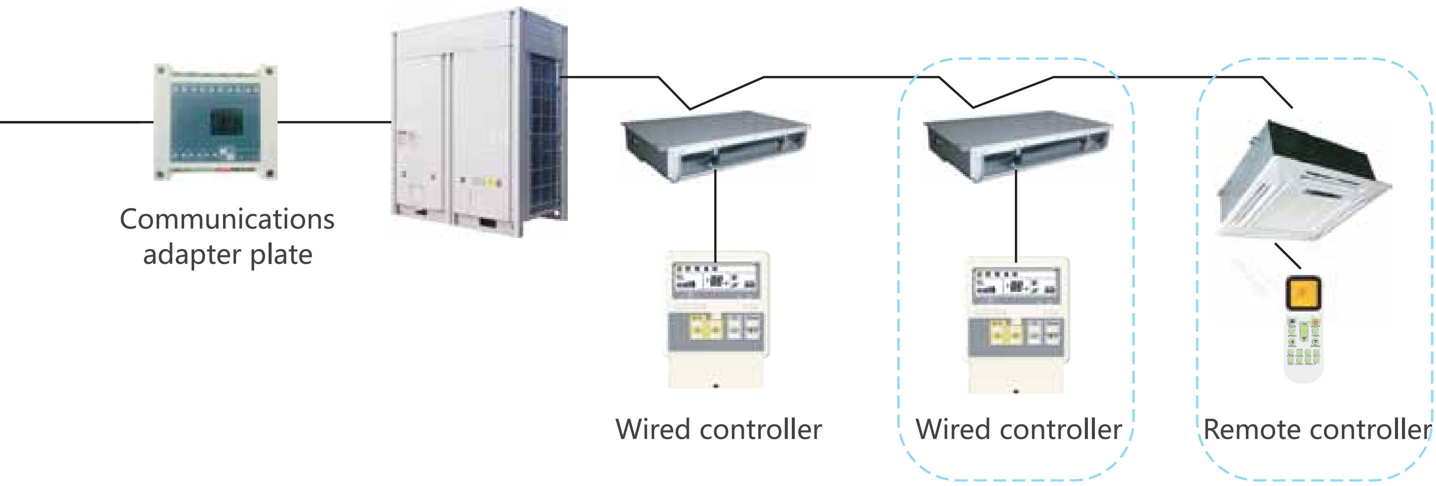
1 computer can access max. 64 VRF outdoor systems, max. control 4096 indoor units.

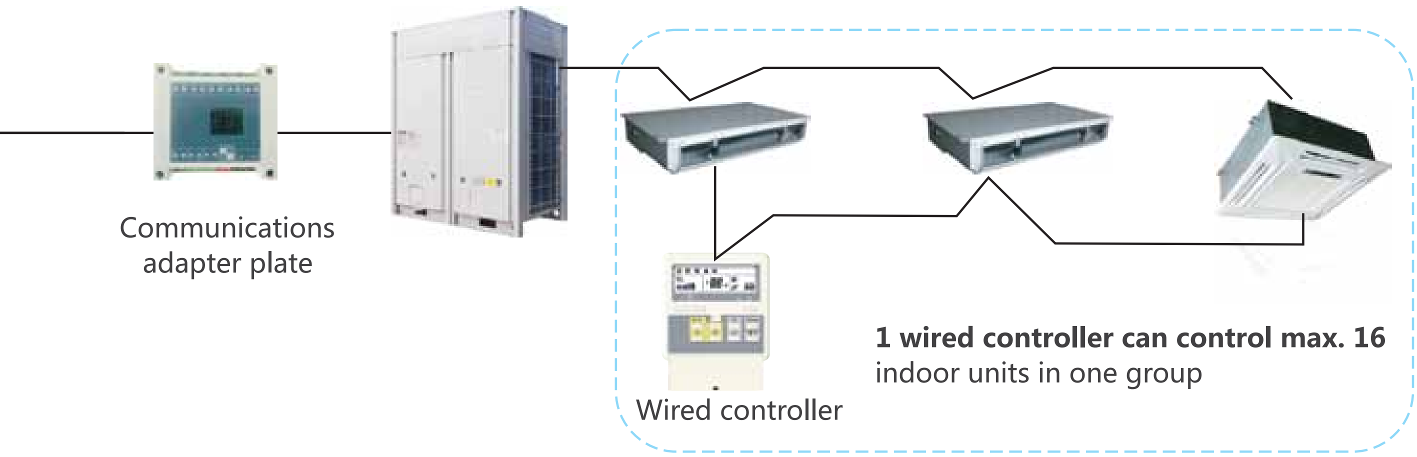
Bacnet BMS

Bacnet Gateway

Lonworks BMS

Lonworks Gateway


Communications
adapter plate
Wired controller
Wired controller
Remote controller


Communications
adapter plate
Wired controller
1 wired controller can control max. 16
indoor units in one group


Communications
adapter plate
Wired controller
Wired controller
Remote controller

CENTRALIZED CONTROLLER

Quick on/off

Set /change time

Timer Mode: a. Current/Daily Timing; b. Weekly Timer

Zone/Unit Set; Zoned Control

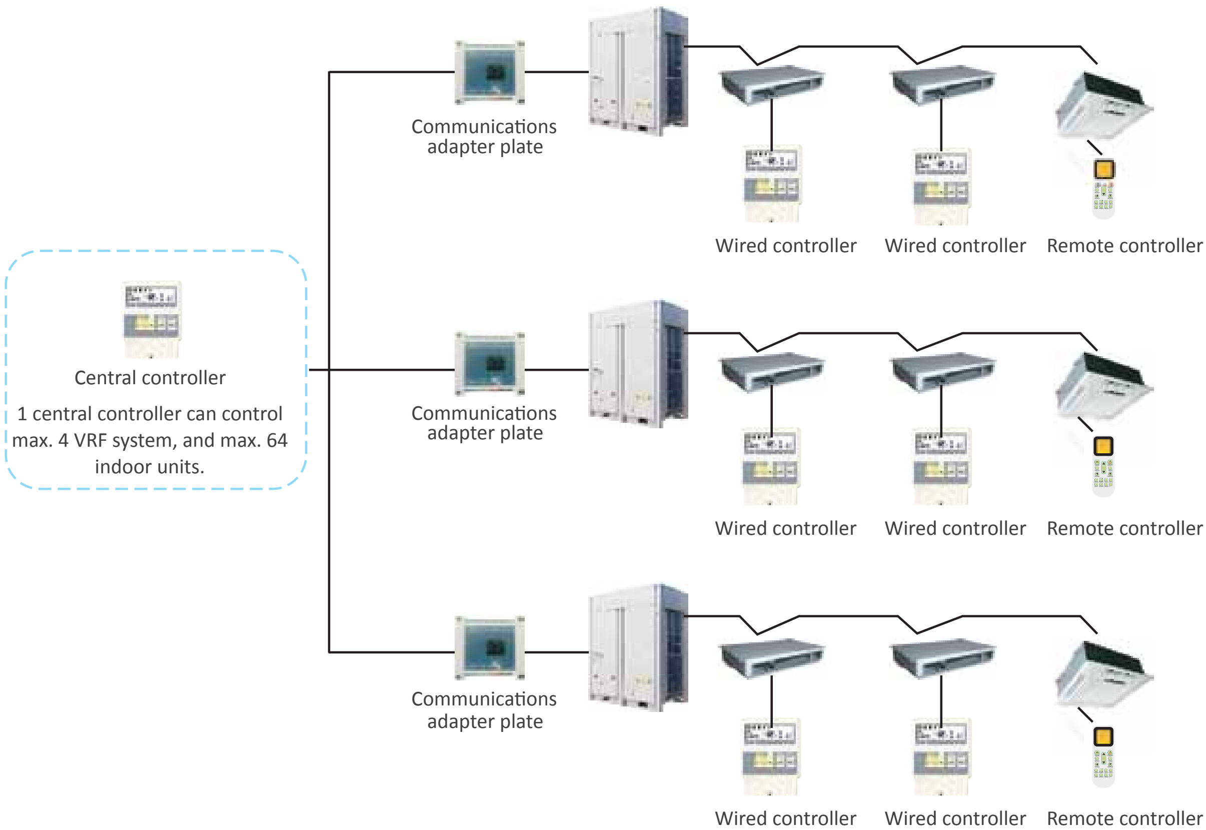
Centralized Control and Lock Functions

Failure Inquiry Function

XK-04

Accessory: Centralized Controller Adaptor

Function: Centralized controller adaptor is used together with centralized controller.

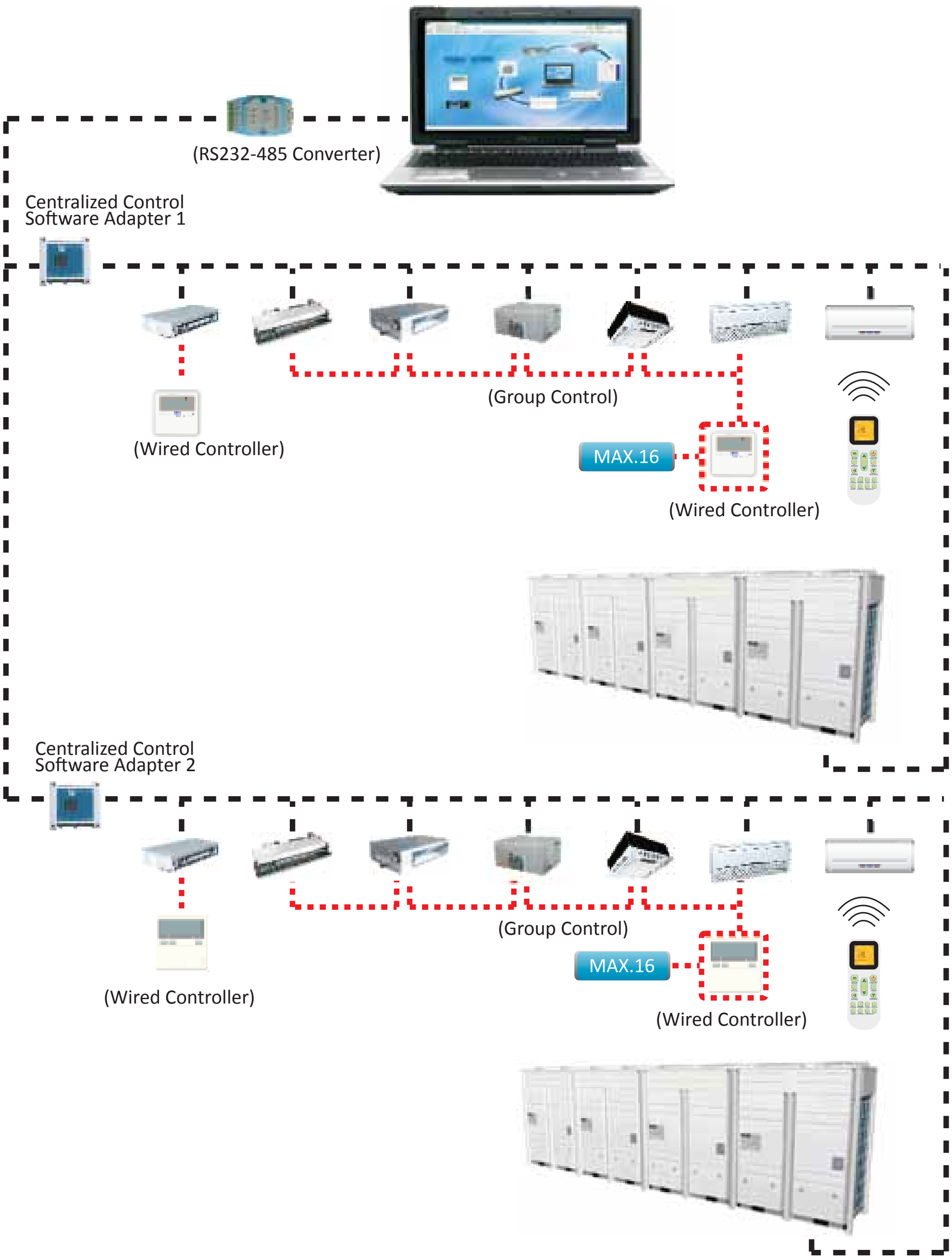


Functions

1) Operation status of as many as 64 indoor units can be monitored, including fan speed, set temperature, etc.
2) Mode, fan speed and temperature setting are possible for individual/zone/all indoor units.
3) 3 operation modes are available: Last-in Preferred, Centralized Control and Lock.
4) The malfunctions of the indoor units can be monitored and saved for inquiry.
5) Timer On/Off is possible by specifying the exact time or by weekly schedule.
6) Any number of centralized units can be zoned with as many as 64 indoor units set as one zone, so that units in the same zone will carry out the same operation. (As the factory default, a centralized group is considered as a zone)

CENTRALIZED CONTROLLER SOFTWARE

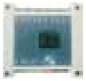
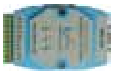
1. System Overview



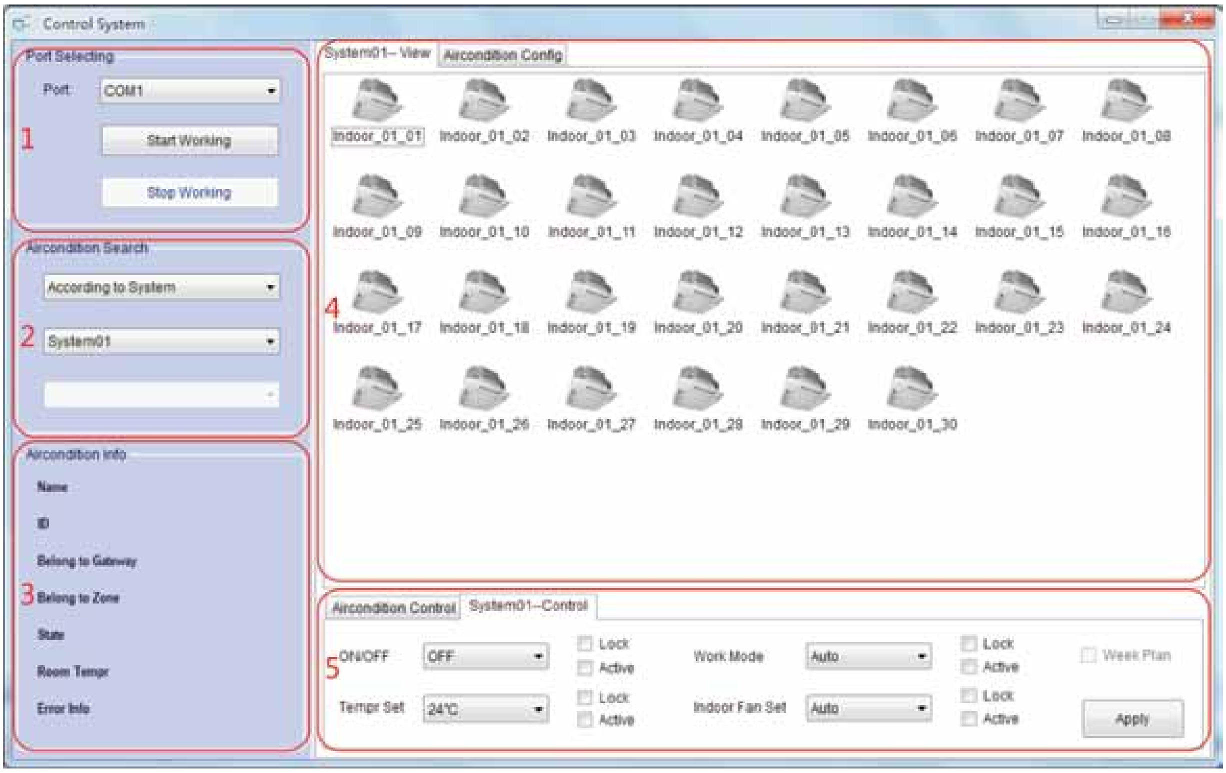
2. Features

- Users do not need to be at the harsh environment of the site, they can monitor the function of units just through computer. These greatly improve convenience of daily management and the efficiency of central air conditioners;
- Timely find the fault and save the maintenance cost of air conditioner units, minimize losses;
- Timer function with multi-period week, fully automated schedule planning of unit;
- Each FVI-D unit can access at max. 63 indoor sets;
- This system can access max. 64 FVI-D outdoor systems, it need to equipped with repeater to increase RS485 network equipment if the outdoor systems are more than 64.

3. Main Components Of Centralized Controller System

No.	Main components	Required
1	Host Computer	Operation system: Window XP SP2 or above, Window 7.
2	Communication Adapter Plate 	Computer and communication protocol and unit end communication protocol are incompatible with each other, must add communication adapter plate to make both communicate.
3	RS-232 to RS-485/422 Converter 	The centralized control system RS485 network signal conversion for RS232 serial signal to achieve the interconnection of computers with centralized control system.
4	RS-485/422 Repeater 	Extend the communication distance and increase the number of RS-485 bus network. The repeater is not required, only when there is more than 64 communications equipment or communication distance is more than 800 meters.

4. Software Introduction Main Interface



Area 1 -- Serial setting area, choose the serial and press “Start Working button, system will in operation, press “Stop Working” button, system will stop working.

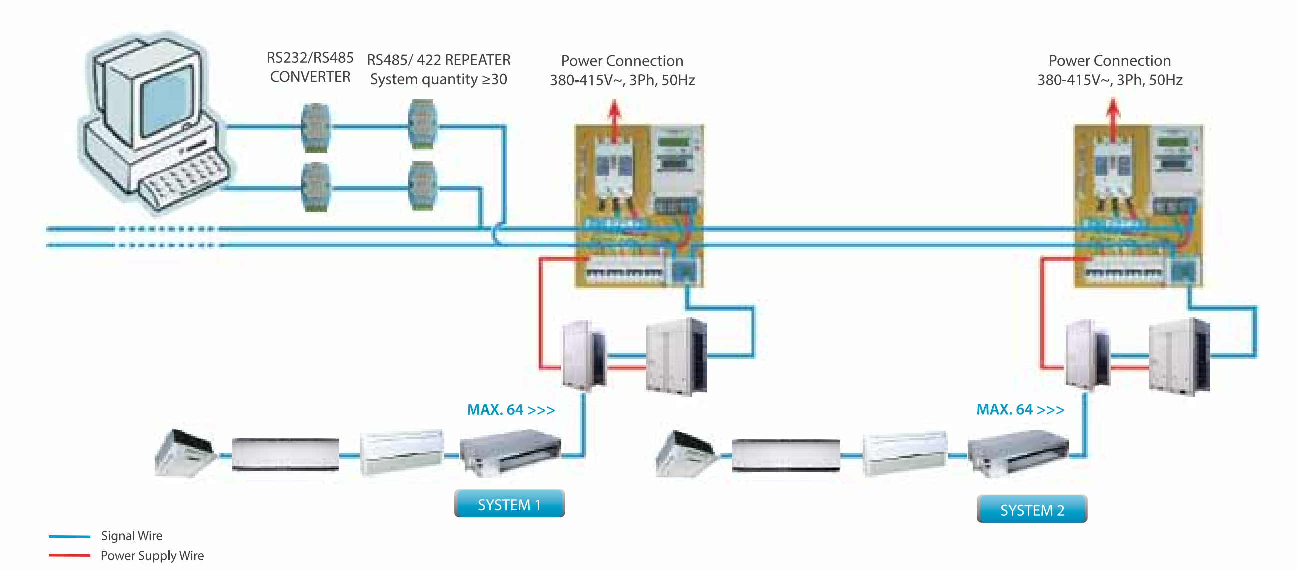
Area 2 -- The inquire area for air conditioner unit, it can be divided into the system inquire and user-defined group inquire, the inquired unit will be displayed in area 4.

Area 3 -- Display area of single air conditioner indoor unit, select one of indoor units in area 4, then the area will display the name, ID (address of indoor unit) , system belonged ,group belonged, current condition, the room temperature of indoor unit, failure etc.

Area 4 -- Display area of air conditioner group, as shown in above picture, it displayed all the indoor units in the group System01.

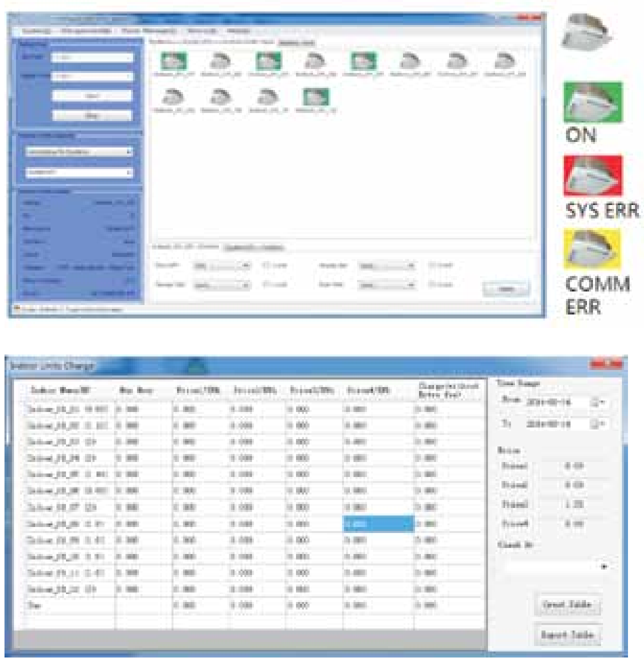
Area 5 -- Control area of air conditioner, it can control one single air conditioner and some air conditioner group, this will be described in detail later.

BILLING SYSTEM



1) Maximum 99 outdoor systems and 1024 indoor units.
2) Real-time monitor for indoor units (ON/OFF, Error).
3) Variable Control Type (Individual Control/ Air- System Control/ Group Control & Schedule).
4) Operation History (Error, Turn On/Off-time).
5) Lock the indoor units when error occurs.

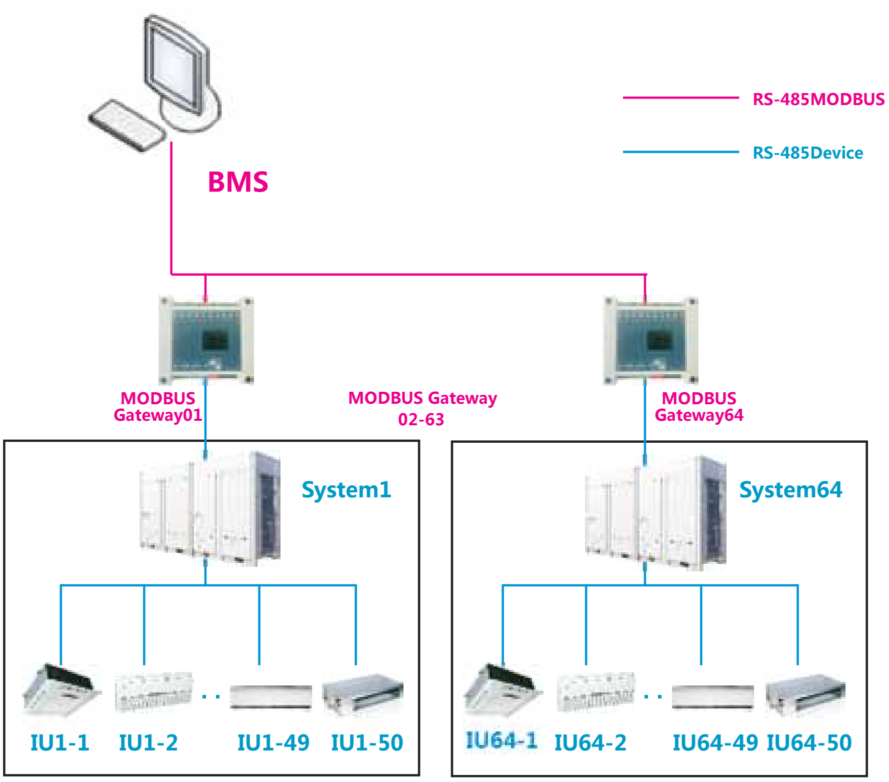
Software Interface



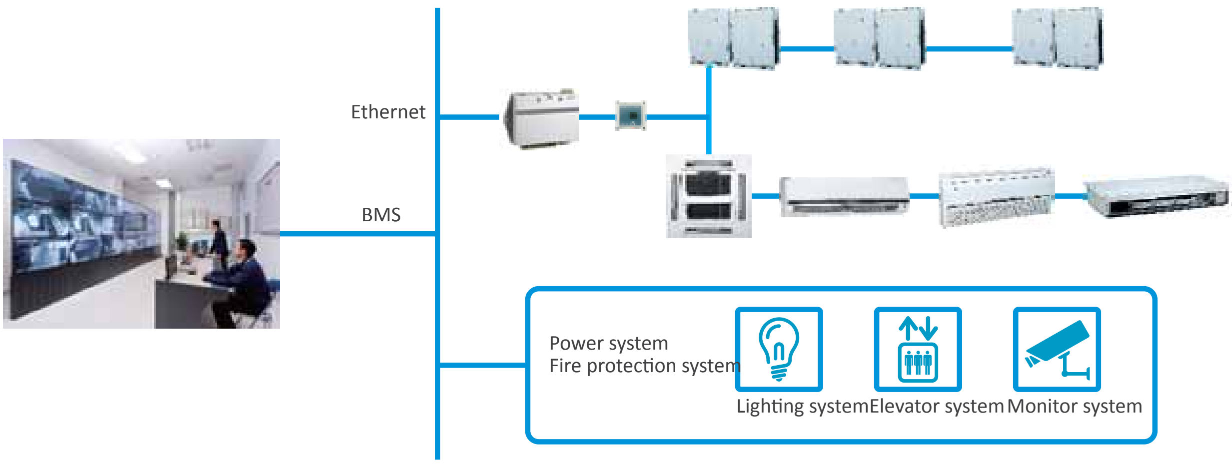
BMS SYSTEM

The Overall Structure Of The System Shown:

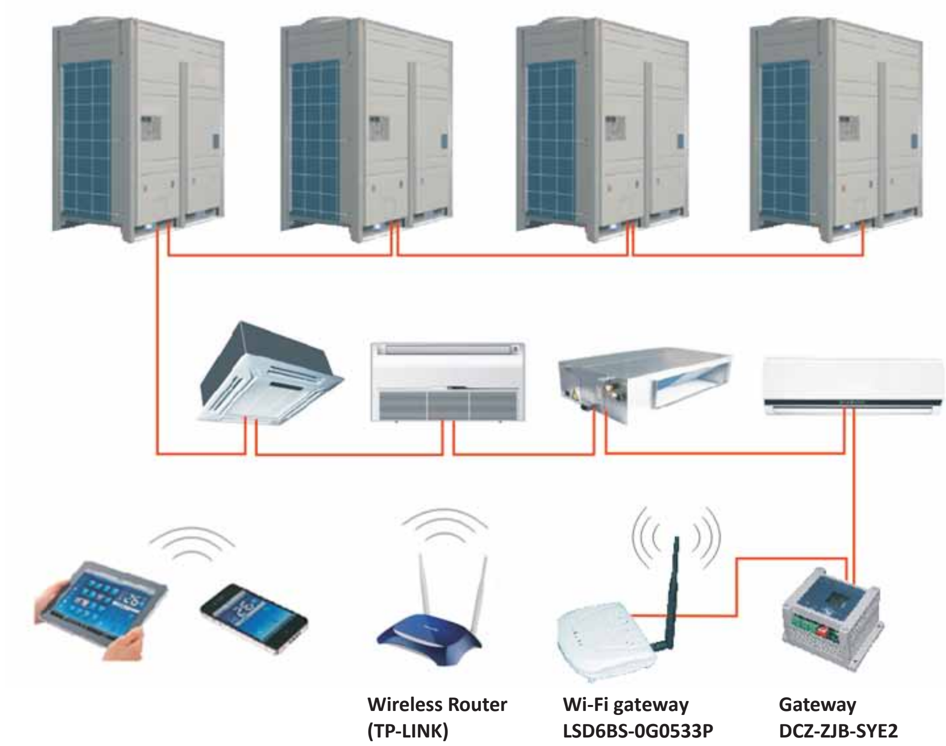
Modbus



Lonworks



WIRELESS NETWORK CENTRALIZED CONTROLLER SYSTEM



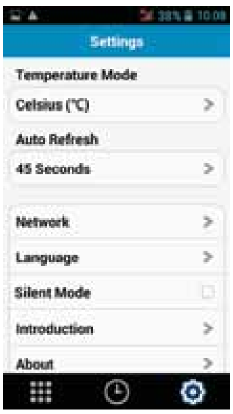
Features:

1) The mobile terminal and Wi-Fi gateway communicates via TCP / IP communication protocol, up to 16 mobile terminal can be connected;

2) The mobile terminal can control up to 64 indoor units;

3) The functions of mobile terminal includes individual-unit control, multi-units control, zones control, timing control, temperature unit switching (Ferenheit - Celsius), silent option.

4) The software can be installed on both android and apple mobile, convenient for users.



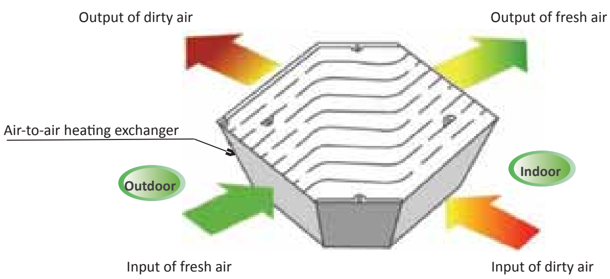
HEAT RECOVERY VENTILATOR

1. HRV adopt High Efficiency Heat Exchanged Core

The heat exchanger core formed by special paper processed by chemical treatment, which could create optimum temperature, humidity and cooling recovery.

2. Adopt Centrifugal Fan with Lower Power Consumption and Longer Air Supply Distance; Easy Control, Operation Friendly

Fresh air and exhaust air are channeled through the heat exchanger. Heat exchange occurs in the heat recovery ventilator, causing the change in humidity and temperature.



3. Low Noise Level

Adopt sound absorption material, quiet operation.

4. High Efficiency

Adopt high quality paper-core heat exchanger,less air resistance. Fresh air can get a great deal of energy from exhaust air.

5. Different modes for your choice

- **Exhausting Mode**
  (Hi/Mid/Low fan speed can be chosen)
- **Air Supply Mode**
  (Hi/Mid/Low fan speed can be chosen)
- **By Pass Mode**
  (Hi/Mid/Low fan speed can be chosen)
  In this mode, heat exchanging is not required, which saves more energy.
  For example: If outdoor temperature is lower than indoor, heat exchanging is not needed but fresh air is needed. By-pass mode can be chosen.
  Remark:
  This mode is only avilable for model *RV-200~1000.
- **Heat Exchanging Mode**
  (Hi/Mid/Low fan speed can be chosen)
  In this mode, supply air flow = exhaust air flow.
- **Auto Mode**
  In this mode, the unit will run at heat exchange mode or by pass mode based on outdoor temperature and indoor temperature with low speed air flow.

6. Compact Design, Installation Maintenance Friendly

Specifications

Remark:
For Model Name: Fujiaire Brand, *=F ; Fujipure Brand; *=P
Ex: Fujiaire: FHRV-200/4; **Fujipure: P**HRV-200/4

Model			*HRV-200/4	*HRV-300/4	*HRV-400/4	*HRV-500/4	*HRV-600/4	*HRV-800/4	*HRV-1000/4
Power Supply		V / Ph / Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50
Volume		CMH	200	300	400	500	600	800	1,000
		CFM	118	176	235	294	353	471	588
Noise Level		dB(A)	34	35	36	36	38	39	42
Power Input		kW	0.07	0.13	0.20	0.22	0.22	0.41	0.51
External Static Pressure		in. W.G. (Pa)	0.30" (75)	0.30" (75)	0.40" (100)	0.44" (110)	0.44" (110)	0.48" (120)	0.48" (120)
Cooling	Temp. Efficiency	%	62	63	61	60	63	63	62
	Enthalpy Efficiency	%	56	56	56	54	55	54	52
Heating	Temp. Efficiency	%	72	71.5	71	70	72	71	71
	Enthalpy Efficiency	%	58	56	56	56	62	62	62
Unit Dimension (WxHxD)		mm	660x264x580	744x270x599	744x270x804	828x264x904	828x270x904	1116x388x884	1116x388x1134
Net Weight		kg	23	27	33	46	48	63	79
Flange		mm	144	144	144	194	194	243	243

Model			*HRV-1500/5	*HRV-2000/5	*HRV-2500/5	*HRV-3000/5	*HRV-4000/5	*HRV-5000/5
Power Supply		V / Ph / Hz	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50	380 - 415 / 3 / 50
Volume		CMH	1,500	2,000	2,500	3,000	4,000	5,000
		CFM	882	1,176	1,471	1,765	2,353	2,941
Noise Level		dB(A)	51	53	55	57	64	64
Power Input		kW	1	1.2	2	2.1	2.4	3
External Static Pressure		in. W.G. (Pa)	0.64" (160)	0.68" (170)	0.72" (180)	0.80" (200)	0.88" (220)	0.96" (240)
Cooling	Temp. Efficiency	%	62	60	62	64	64	64
	Enthalpy Efficiency	%	51	52	50	55	51	55
Heating	Temp. Efficiency	%	70.5	70	70	72	71	72
	Enthalpy Efficiency	%	62	63	63	64	64	65
Unit Dimension (WxHxD)		mm	1500x540x1200	1500x540x1200	1500x540x1200	1500x540x1200	1620x990x1330	1620x990x1330
Net Weight		kg	173	186	200	280	300	320
Flange		mm	320x300	320x300	320x300	320x300	323x253	500x690

1. All specifications are subjected to change by manufacturer without prior notice.

AWARD WINNING

Winner of Brand Excellence Award 2006, Ministry of International Trade and Industry

Winner of 2006 Top Small Medium Industry Golden Bull Award

AWARD WINNING

Winner of 2007 Enterprise 50 Award (Top 50 Enterprises in Malaysia)

Winner of Brand Laureate Award 2008

INTERNATIONAL CERTIFICATES

SIRIM

IKET (Germany)

ISO 9001 : 2000 (UK)

Saso (Saudi Arabia)

CB Certificate

Energy Kuwait

Energy Australia

Japanese 5S Certificate

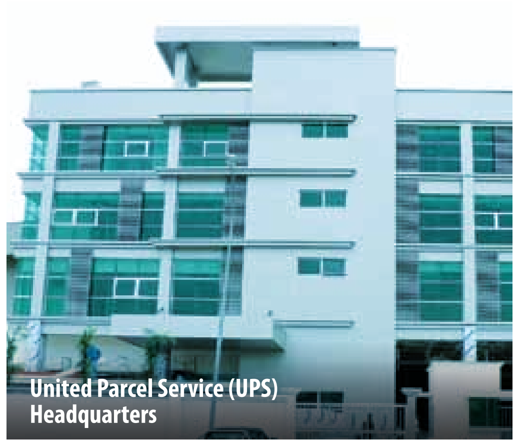
FUJIAIRE MARKET PRESENCE

Domestic Market Presence

Global Market Presence

NOTABLE DOMESTIC PROJECTS


1 Sentrum KL Sentral


United Parcel Service (UPS) Headquarters


Suasana Bangsar

University College Sedaya International


Hartamas Regency Luxury Condominiums


Mercedes 3S Super Center

Sungei Wang Shopping Mall

NOTABLE INTERNATIONAL PROJECTS


Kemang Village Mall, Jakarta


Carrefour Bekasi Square, Bekasi


Mall of Indonesia

Novotel, Bandung


National Development Bank of Sri Lanka, Sri Lanka


Sogo Central Mall, Jakarta


Shangri-la Condominiums, Jakarta

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Fujiaire (Malaysia) Sdn. Bhd. (184159-M)
Lot 30, Jalan Perusahaan 1, Pusat Industri Amari, Kawasan Perindustrian Batu Caves, 68100 Batu Caves, Selangor Darul Ehsan, Malaysia.
Tel: +603-6185 8032/6185 1913 Fax: +603-6185 8036/6186 0492