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www.dvmsystem.com

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SAMSUNG

Space for Partnership

* Specification may be subject to change without prior notice
for the continuous product improvement.

Ver. 1.2

2011 SAMSUNG SYSTEM AIR CONDITIONERS USP BOOK

2011
SAMSUNG
System Air
Conditioner

For Lasting Peace in Comfort, Samsung Air Conditioner

The Fresh, Purified air is one of the most important elements to stay healthy,
Samsung air conditioner lets you live in pleasant environment with completely
purified comfortable air.



SAMSUNG



DVM SYSTEM

LINEUP & FEATURE

SPECIFICATION

Control System & Accessories

CONTROL SYSTEM

ACCESSORIES

CAC SYSTEM

LINEUP & FEATURE

SPECIFICATION

FJM SYSTEM

LINEUP & FEATURE

SPECIFICATION

COMBINATION TABLE

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118

Samsung is moving with and ahead of our customers

A brand is created by its customers and that's the novel perspective at Samsung. With all the customer attention, Samsung had another successful year. Business Week and Interbrand ranked Samsung 19th in Global Brands.

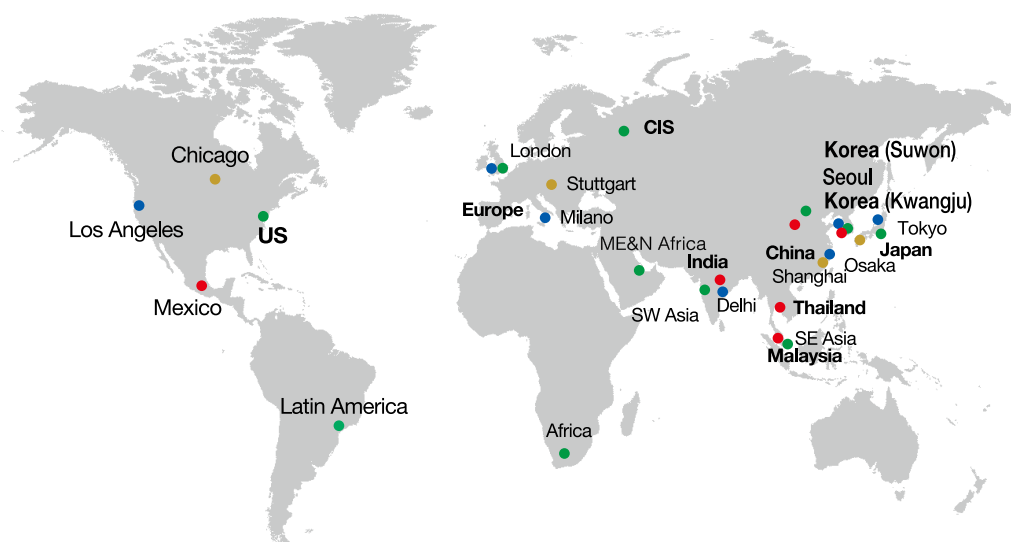


Samsung has overtaken Sony as the world's biggest producer of televisions and its strong product development has resulted in global leadership in the television segment. Samsung improved its position from third to the second leading player in mobile phones worldwide. The philosophy of bringing people the latest technology at a fair price has quickly made it a firm consumer favorite. New concept shops have been successful in translating to a more expert and demanding audience by showing the benefits of engaging with the brand.

As a global leader, Samsung will continue to create future with the customers.

Global Business Network

● 6 Global Operation Centers ● 7 Design Centers ● 11 Global Headquarters ● 4 HA R&D Centers



'Eco-friendly' Samsung



Preserves the nature you live in.

Thinking of you and the environment, Samsung plans for the future. Realizing your hopes for a greener, healthier life for you and the generations that follow, Samsung's environmentally friendly technologies work to make the world a more beautiful place.



Air & Water Conservation

As a leading innovator of environment-friendly products and technologies, Samsung products already drastically reduce the strains on nature's valuable resources. Samsung uses R-600, a natural refrigerant, and cyclopentane insulation in its refrigerators, which do not promote global warming and does not add to the greenhouse effect. Samsung's water-efficient washing machines also use less detergent and water without effecting cleanliness, helping to conserve water.



Use Less, Save More

Samsung products are energy efficient, receiving Energy Grade A+ in the EU and ENERGY STAR in the U.S. Samsung washers with its ceramic heaters use less power, which saves you energy, money, and time. This energy-efficient technology protects you and nature, giving you a greener lifestyle.



Global Recycling

Samsung Electronics is making significant efforts to save the environment and complies with the WEEE (Waste Electrical and Electronic Equipment) directive by joining or establishing the recycling schemes for each country.

Samsung Eco-Friendly Air Conditioner

Making continuous efforts to stay eco-friendly, Samsung's air conditioners use R-410a, an environmentally friendly refrigerant to help rid the air of pollutants and restrain the use of materials with high global warming potential (GWP). Samsung air conditioners have taken a leading role in reducing energy consumption and lowered significant amount of energy. These energy-efficient air conditioners not only save you money, but help conserve the environment.

World Widely Recognized!

Samsung Air Conditioner



Galeria de Innovacion
2009

Samsung attended Europe's largest air-conditioner exhibition "Climatization" in Madrid, Spain. Samsung air conditioner's beautiful design with innovative features was awarded the "Galeria de Innovacion". The idea behind this award is to encourage innovation in the practical application of know-how and technologies in industrial development. Once again, Samsung proves its unsurpassed standards in quality.



iF Product Design Award
2009

As one of the world's oldest & prestigious design competitions, the iF product design award has stood for qualitatively outstanding design awards for over 50 years. And Samsung's air conditioner with its design innovations has won the iF product design award for the year 2009. Samsung air conditioner continues to receive worldwide recognition and awards, proving high quality of function and beauty.



Comfort & Design
2010

Organized by Fiera Milano International, 37th Mostra Convegno Expocomfort / Expobagno 2010 aimed to reward the best product that shows a high level of environmental quality, providing a complete overview of the sector along the lines of "Comfort & Living Technology". And Samsung air conditioner won the prize conferring a valid and professional recognition for the best product in the ceremony.

Received Certifications and awards



Global Operation of Samsung System Air Conditioner

Samsung system air conditioners are chosen by various groups from different countries all around the world for their proven performance.



Perfect System Air Conditioners for Anywhere

The various product lineups of Samsung system air conditioners offer the perfect solutions for different type of places with unique air conditioning needs.

Grocery Store, Belgium



DVM System



For Large Buildings

With a wide range of capacities and special features such as long piping and high level difference allowance, the DVM system is a perfect fit for large buildings and high-rise buildings in which the exterior is an important factor.

Outlet Store, Greece



CAC System



For Commercial Places

A single outdoor unit connected to a single indoor unit, this system is more than enough to cool commercial places.

Residence, Turkey



FJM System



For Large Residential Places

This single outdoor unit supports up to 5 indoor units! Samsung's FJM system is best for large residential places with multiple rooms.

2011 New Products

Always working to provide you the best quality products, Samsung is finally ready to unveil a few new products that will enhance our lives and comfort our minds.

Strong and Compact **NEW** **DVM PLUS IV** DIGITAL VARIABLE MULTI

Samsung DVM PLUS IV is an optimized cooling and heating system that is the ideal air conditioning solution for large sized buildings. The DVM PLUS IV also has a variety of indoor units to fulfill the interior needs of different types of places.

- High Efficiency
- Large Capacity
- Advanced and Reliable Protection
- Easy Installation & Maintenance
- Eco-friendly
- Pleasant Operation



Simple and Beautiful **NEW** **Wall-Mounted**

Two wall-mounted type indoor units have been added to this year's lineup. Both of these indoor units are attractively designed and also deliver the most fresh, clean, and purified air with low energy consumption.

- Double Cleaning
- 3D Wind
- good' sleep
- Smart Saver



* New Wall-mounted type indoor units are only available with the FJM system.

Smart and Stylish **NEW** **4Way Cassette**

We proudly introduce our new 4Way Cassette S indoor unit: experience the real meaning of powerful cooling and comfort for yourself.

- S-Plasma ion
- Individual Blade Control
- Stylish Interior
- Surround Air Distribution



Clean Air Provider **NEW** **ERV PLUS**

Samsung provides our new ERV unit equipped with advanced accessories that will improve your indoor air quality. It can be installed almost anywhere thanks to its compact size and design.

- Enjoy Fresh Air without Temperature Loss (Direct Expansion Coil)
- Maintain the Best Indoor Humidity Level (Humidifier Element-Optional)



OUTDOOR UNITS

Experience the Power



Project **Business Park**
Location **Munchen, Germany**
Type **Office Building**
Indoor units **219EA**
Outdoor units **13EA**

DVM SYSTEM	16
CAC SYSTEM	48
FJM SYSTEM	52



DVM System

DVM PLUS IV

DIGITAL VARIABLE MULTI

System air conditioner for large buildings

Designed for strong power and high efficiency, DVM PLUS IV outdoor units provide optimized cooling and heating for large buildings that contain a variety of spaces that require different air solutions.



Volkswagen Arena, Germany

Main Features

Strong and Compact **NEW**

DVM PLUS IV

DIGITAL VARIABLE MULTI

DVM PLUS IV is a high-tech digital hybrid system that is the perfect cooling and heating solution: this system is able to create comfort in variable environments by adopting third generation PHE (Plate Heat Exchangers) to achieve the industry's highest energy efficiency and improve low temperature heating performance.



■ High Efficiency

- DVI (Digital Vapor Injection) Compressor
- Vapor Injection
- PHE (Plate Heat Exchanger)
- Bigger and Better Heat Exchanger
- World Class Energy Efficiency in Heating and Cooling

■ Large Capacity

- 20HP Single Outdoor Unit
- 80HP Outdoor Unit Module
- Smallest Footprint Area and Lighter Weight
- Economical Installation Cost

■ Advanced and Reliable Protection

- Sequential Operation of Compressor
- Oil Balancing Control
- Self-diagnosis Mode
- Corrosion & Frost Resistant
- Pre-protection System

■ Easy Installation & Maintenance

- Longest Piping Length and Highest Elevation
- Optimized Refrigerant Distribution Control
- Automatic Data Backup
- Easier Access for Status Check and Option Settings

■ Eco-friendly

- Decreased CO₂ Emission
- R410a Refrigerant
- Europe Eco-friendly RoHS Technology Certification
- WEEE

■ Pleasant Operation

- Silent Operation at Nighttime
- Top Heating Performance at Low Ambient Temperature
- Stable Heating Operation

DVM System

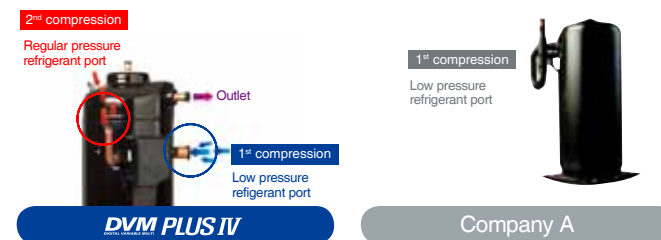
High Efficiency Perfect Comfort with DVM PLUS IV!

Highly efficient compressor demonstrates perfect performance in both cooling and heating operation.

DVI (Digital Vapor Injection) Compressor

2-stage compression effect with single compressor!

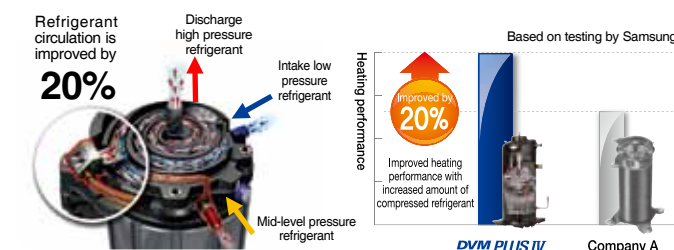
This high-tech and highly efficient compressor achieves a 2-stage compression effect with just a single compressor. This allows you to save on energy cost since the compression efficiency is increased by about 16% by using a method that intakes regular refrigerant and discharges it in a high refrigerant state after second compression.



Vapor Injection

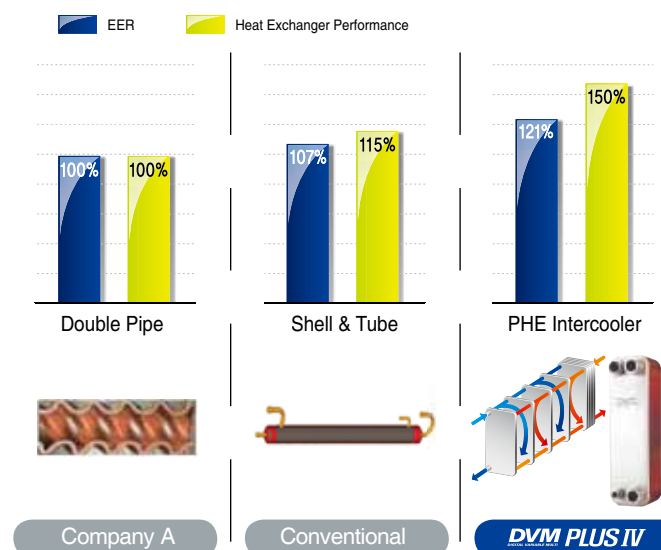
Improved refrigerant flow rate and heating performance!

Vapor injection is a double compression technology that re-injects mid-pressure refrigerant in a vaporized state from the PHE intercooler to increase the refrigerant flow rate. This technology improves both the refrigerant flow rate and heating performance by 20%, thus maximizing efficiency.



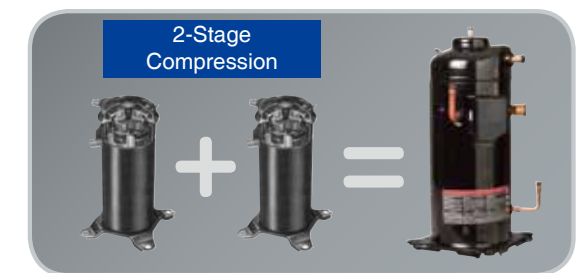
PHE (Plate Heat Exchanger)

Plate Heat Exchanger type intercooler was adopted on DVM PLUS IV to improve cooling and heating COP. Heating efficiency with PHE has been improved by 35% compare to our conventional products with Shell & Tube type intercooler and 50% compare to the competitor's products with Double pipe type intercooler.



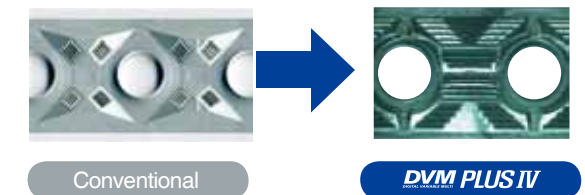
High Speed Vapor Injection

High vapor injection is used to control the injection volume through EVI EEV to increase the amount of refrigerant circulation by up to 20%, resulting in improved cooling/heating performance and energy efficiency.

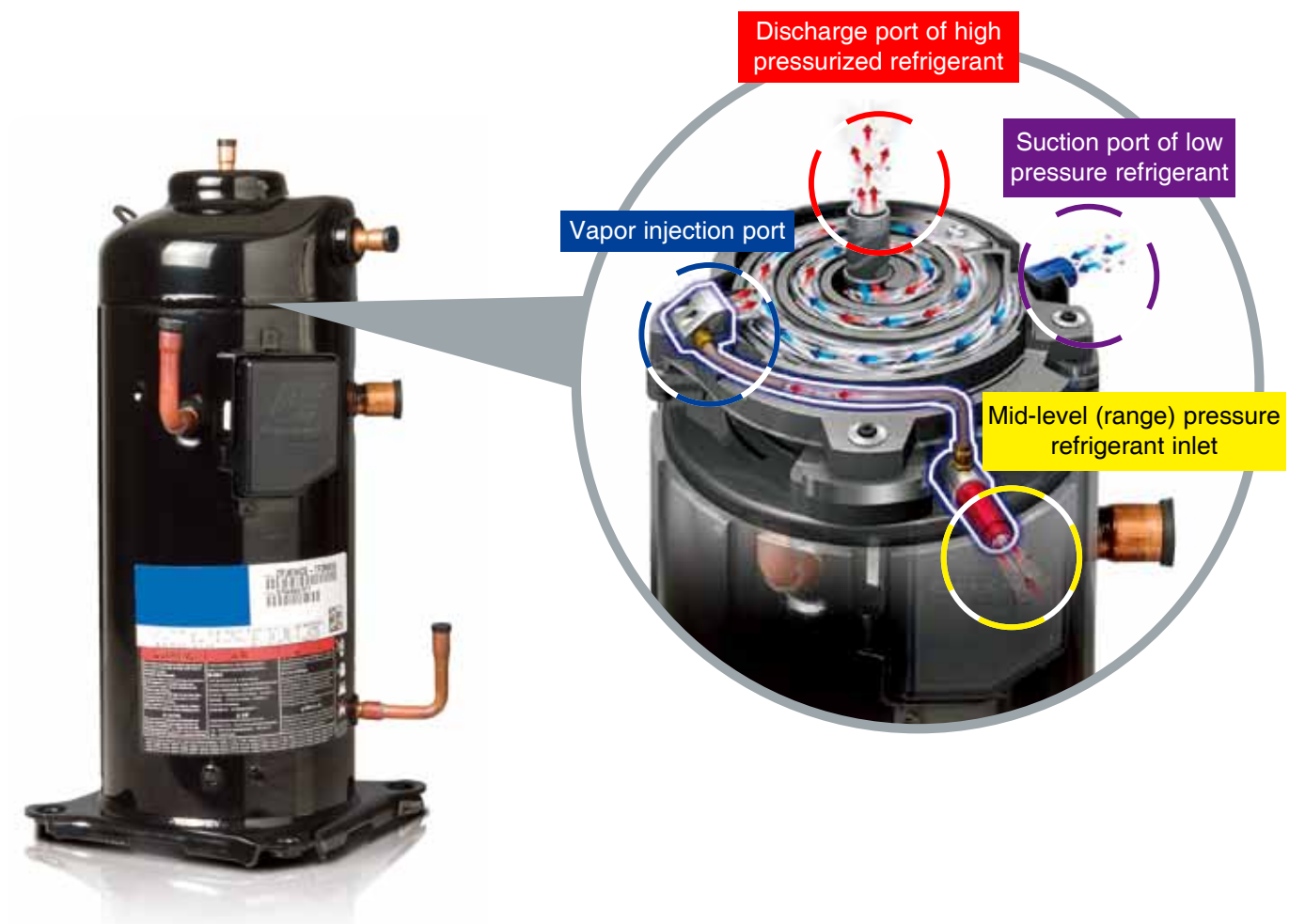


Bigger and Better Heat Exchanger

The outdoor unit heat exchanger has grown in size: it now has 60 columns, which is about 10% larger than the conventional product's 56 columns. The DVM chassis also uses a newly optimized fin design that enhances the performance of the heat exchanger.



High Efficiency Vapor Injection Technology



DVM System

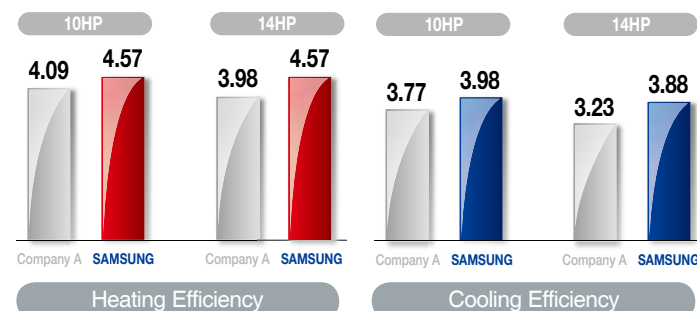
High Efficiency

Perfect Comfort with DVM PLUS IV!

Highly efficient compressor demonstrates perfect performance in both cooling and heating operation.

World Class Energy Efficiency in Heating and Cooling

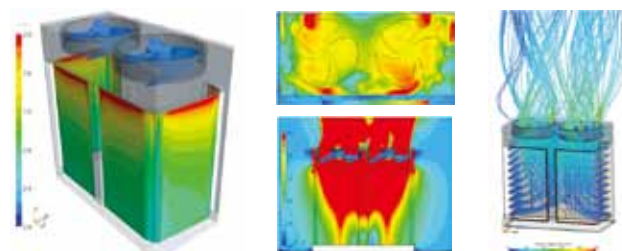
The DVM PLUS IV has achieved the highest level for COP (4.57) and EER (3.98) in the 10 HP category, as well as in the 14 HP category (4.57 in COP and 3.88 in EER), which surpasses our competitors' performance by 15% in COP and 20% in EER.



* Based on catalog data

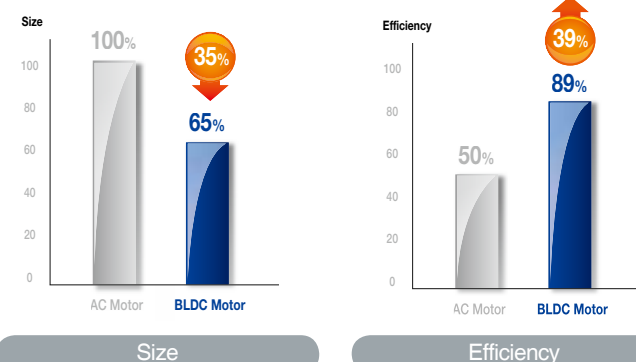
Optimized Air Discharge Profile

The air discharge profile within the Fan and the Fan Guard is optimized for faster heat exchange, which increases efficiency and provides faster cooling and heating.



Outdoor Unit BLDC Fan Motor

The DVM PLUS IV uses a BLDC motor, which is 35% smaller and 39% more efficient than conventional AC motors.



DVM System

Large Capacity

Smaller and Stronger!

The DVM PLUS IV can be installed in more compact installation spaces, allowing you to make the best use of your space while providing the perfect air conditioning solution.



World's Largest Module Capacity 80HP

Single piping installation is possible from mid-sized buildings to high-rise buildings

World's Largest Single Capacity 20HP

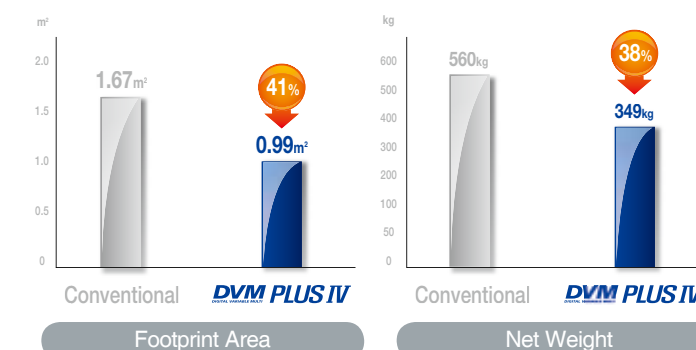
Economical with smaller footprint area and lighter weight

*If you wish to install an outdoor unit module with a capacity of over 60 HP, then please contact your local Samsung Dealer.

Smallest Footprint Area and Lighter Weight

The unit's footprint area has been reduced by 41%, and the product's weight is 38% lighter compared to conventional models.

*Comparison based on 20 HP Outdoor Units.



Economical Installation Cost

Our single units, which provide the world's largest module capacity, are ideal for larger buildings. Installing larger capacity modules will also save on installation costs since less equipment is required when you use units that offer greater capacities.



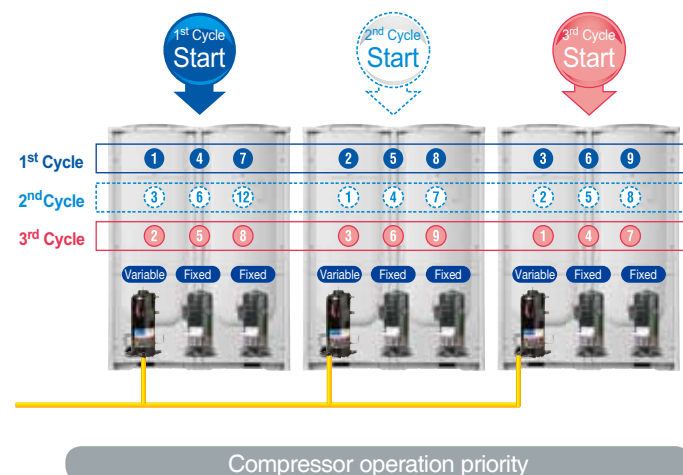
DVM System

Advanced and Reliable Protection

The DVM PLUS IV can protect outdoor units and provides a stable air conditioning solution by using a variety of smart and reliable functions.

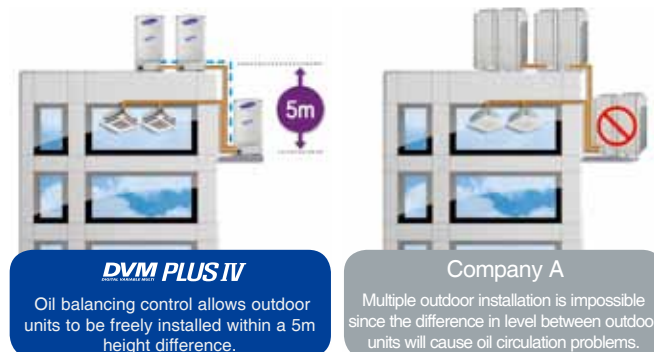
Sequential Operation of Compressor

When the outdoor unit is not operating at full capacity, the compressor will start up the operation in sequence to prevent one particular compressor from overworking. This sequential operation for compressors will prolong the life of the compressor and ensure the reliability of performance.



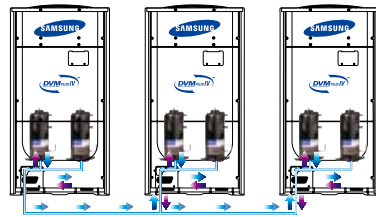
Oil Balancing Control

DVM PLUS IV uses oil balancing technology that ensures that oil distribution is stable and equal, even when multiple outdoor units are installed. This oil balancing technology is reliable, even if the outdoor units are far apart or are not level. This allows flexible installation options for these units.



Internal Oil Balancing Control

The amount of oil will be evenly balanced between the compressors within the outdoor units. Both compressors that are in operation and in stop status will secure the optimized amount of oil so that they will be supplied with a stable amount of oil, regardless of their On/Off status.



External Oil Balancing Control

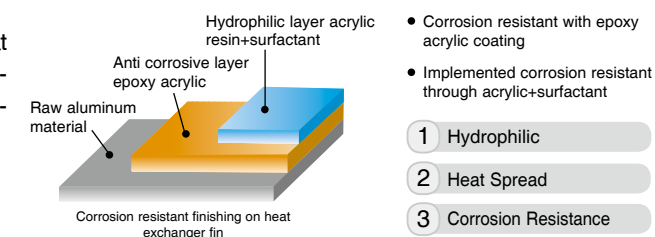
Amount of oil will be balanced between the outdoor units within the module. This technology will effectively control flow of the oil to increase reliability, even when the outdoor units are installed away from each other or at different heights.

Self-diagnosis Mode

The DVM PLUS IV monitors the operation status, and will display an error code in response to any sign of abnormal activity, thus enabling you to easily solve the problem.

Corrosion & Frost Resistant

The highly hydrophilic coating facilitates efficient heat exchange and delays the onset of frost formation to provide consistent heating performance. An anti corrosive coating also helps units to resist corrosion from the elements.



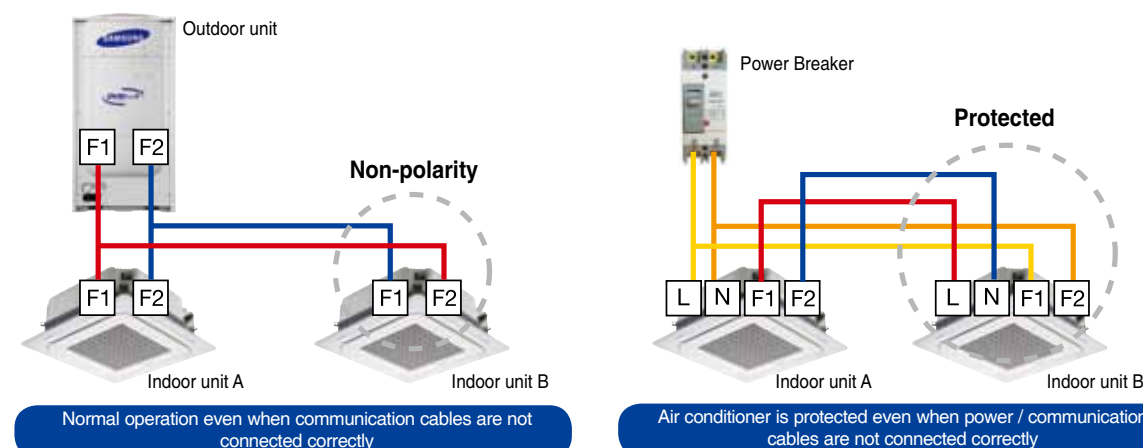
Pre-protection System

The DVM PLUS IV uses special internal fuse devices to protect the compressors from possible damage caused by overcurrent.



Easy and Safe Wiring Work

Non-polar communication between indoor and outdoor units makes wiring work much easier. This is also safer since the outdoor unit will protect itself if the communication cable is connected to a power terminal by mistake.



Auto Snow Blowing Function

Snow that accumulates and covers the outdoor units during the winter must be removed so that these units can operate properly. These units' snow prevention function removes accumulated snow from them so that you won't have to get rid of it by yourself. Outdoor units will blow away covered snow every 30 minutes to prevent any damage that can be caused by this snow.



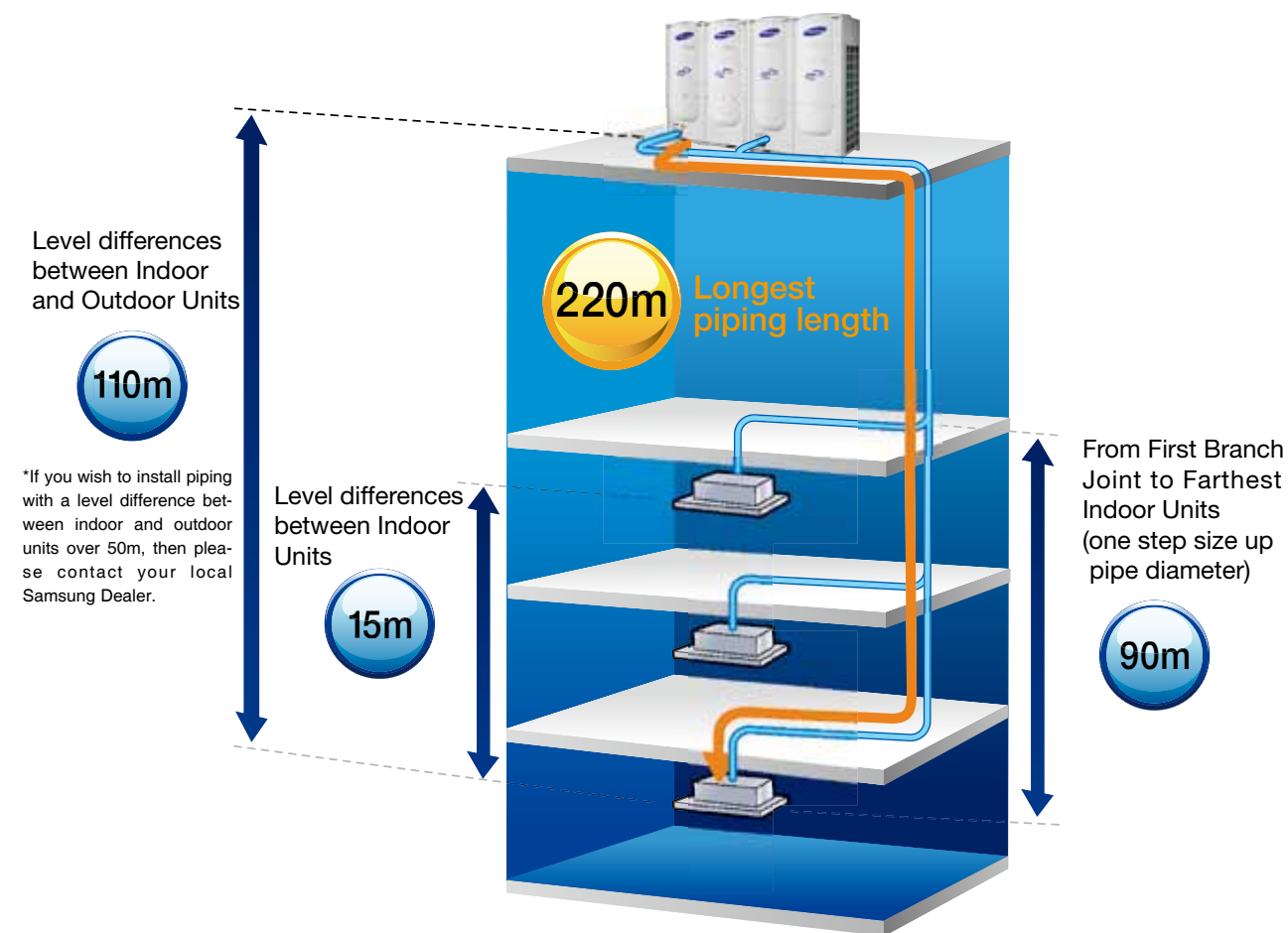
DVM System

Easy Installation & Maintenance

Perfect for Commercial Buildings

The DVM PLUS IV offers distinctive features that can make it easy for you to install and maintain this product in multi-story commercial buildings.

Longest Piping Length and Highest Elevation



1 Flexible Installation in High-rise Buildings

Installation is available with a maximum level difference of 110m, which is the equivalent of about 20 stories (each story is considered to be a height of 5m).

2 Flexible Installation over Wide Area

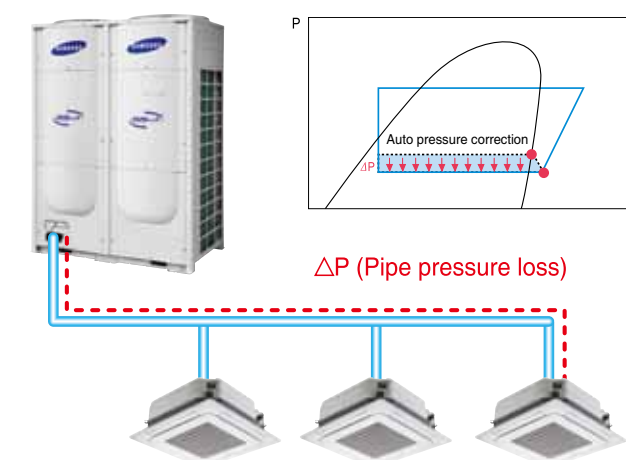
The DVM PLUS IV allows extended piping length up to 220m, and units will still display great performance over wide areas.

3 Flexible Selection of Indoor Units

You can choose indoor units which are suitable for each space from our indoor unit line up, which offers different options in capacity and composition. You can also use the indoor units more economically since each indoor unit can be individually controlled.

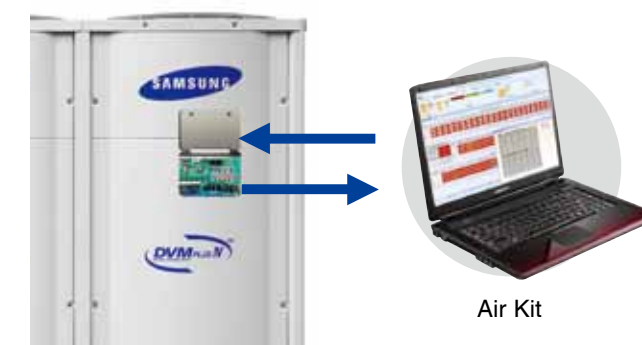
Optimized Refrigerant Distribution Control

When long piping is installed between the outdoor units and indoor units, the individual indoor units will use auto performance correction control technology and automatic refrigerant amount adjustment technology to secure even performance between the units.



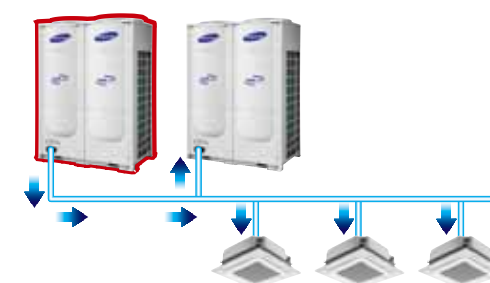
Automatic Data Backup (Black box)

If a malfunction occurs with the DVM PLUS IV outdoor unit, it will automatically diagnose the problem and save the last 30 minutes of operation data. An optional accessory can be used to store operational data for over one year; this can be helpful in getting you quick and accurate repair service when you need it.



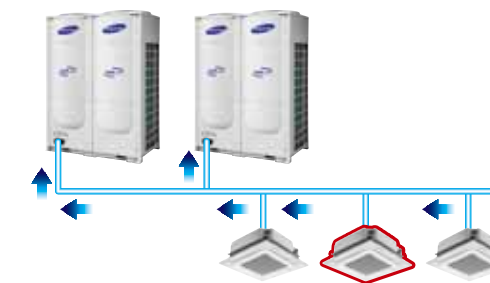
Refrigerant Pump-down and Pump-out

The DVM PLUS IV provides the following functions to facilitate easy and convenient replacement of the product, as well as additional installations and maintenance.



Refrigerant Pump-out Function

For outdoor unit maintenance, it is possible for the refrigerant to recover into indoor units or pipes.



Refrigerant Pump-down Function

It is possible to recover refrigerant into outdoor units when moving outdoor units, or performing maintenance of pipes between indoor units or pipes between outdoor units and indoor units.

DVM System

Easy Installation & Maintenance

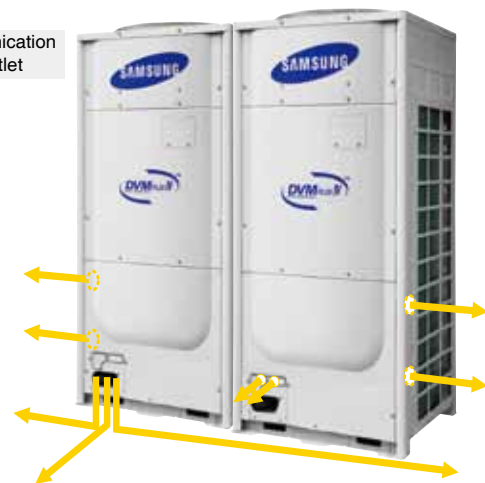
Perfect for Commercial Buildings

The DVM PLUS IV offers distinctive features that can make it easy for you to install and maintain this product in multi-story commercial buildings.

Free Piping Connection with Various Knock-out Holes

The knock-out holes for piping, power, and communication cables are located in a variety of directions, allowing for more convenient installation of the DVM PLUS IV since the piping and cable direction can be freely selected from the front, left, and right side.

Side: Communication cable outlet



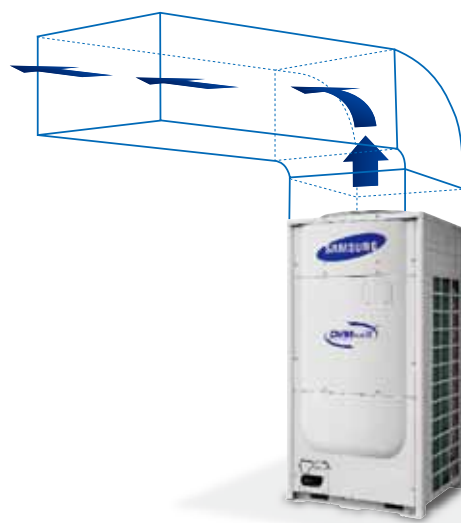
Easier Access for Status Check and Option Settings

Checking the outdoor unit status and setting option is easier and simpler since you don't need to remove the entire front cover, thanks to the small openings on the front side of the outdoor unit.



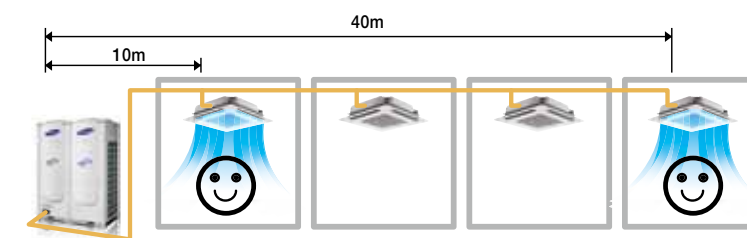
High External Static Pressure

To properly deal with unexpected various installation conditions, the DVM PLUS IV is designed to manage high external static pressures up to 8mmAq.

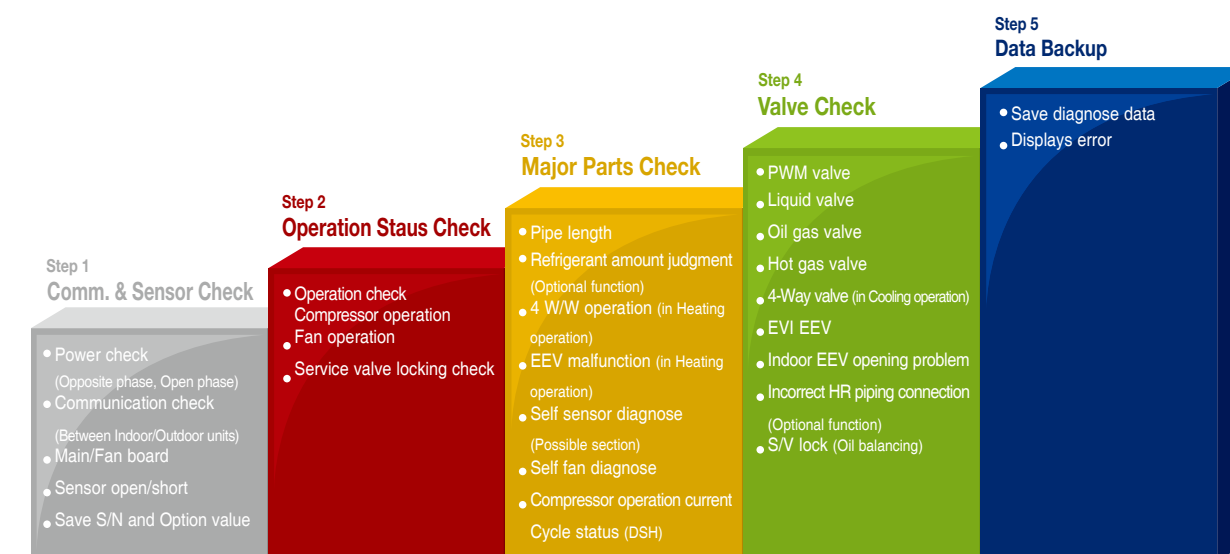


Automatic Pipe Length Recognition

The system provides evenly powerful cool and warm air, regardless of the distance between the indoor unit and outdoor unit.

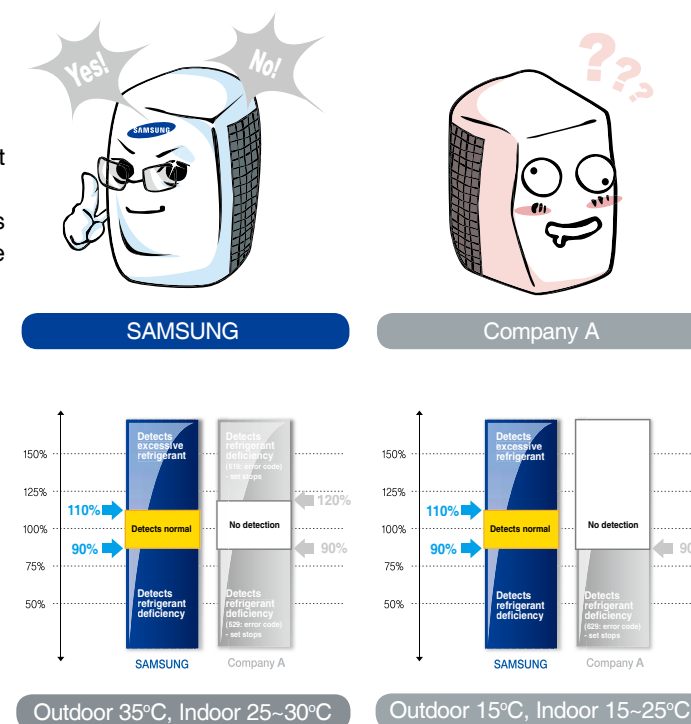


Multi-step Self Diagnosis Function



Precise Refrigerant Amount Detection

Deviations from the normal value of the refrigerant amount may cause damage or poor performance. Company A's outdoor unit cannot detect excess refrigerant, but the DVM PLUS IV can detect if the amount of refrigerant is excessive or insufficient.



DVM System

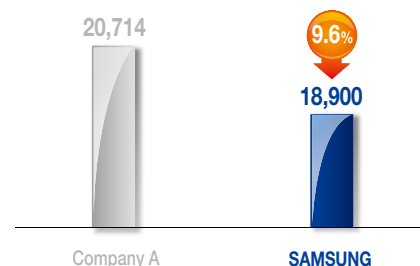
Eco-friendly Thinking of Our Planet First!

Samsung always considers our planet first, and produces eco-friendly systems to help ensure a cleaner future.

Decreased CO₂ Emission

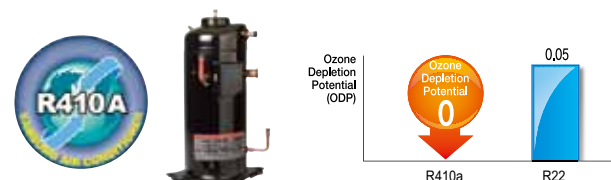
The DVM PLUS IV is a highly efficient product that uses advanced eco-friendly technology to reduce carbon dioxide (CO₂) emissions.

- CO₂ emission level: Data based on 0.42kg/kWh
- Time period: 5 months (Nov ~ Mar, 3,600 hours)
- Data based on 18HP model heating



R410a Refrigerant

The DVM PLUS IV uses a compressor that is optimized with eco-friendly R410a refrigerant, which has a "0" ODP value, to minimize environmental pollution. This also improves eco-friendly refrigerant operation efficiency and performance.



Europe Eco-friendly RoHS Technology Certification

Samsung minimizes the use of toxic substances such as mercury, lead, and cadmium, attaining RoHS certification with its excellent eco-friendly technology.



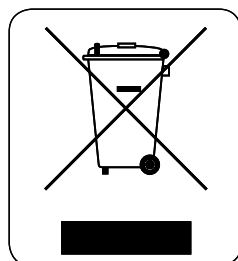
RoHS (Restriction Of Hazardous Substances)?

andly regulations that ban the use of such as mercury, lead, and cadmium, that are obstacles in electronic recycling.



WEEE

SAMSUNG Electronics invests significant effort to help save the environment and comply with the WEEE directive by joining or establishing recycling schemes for each country.



DVM System

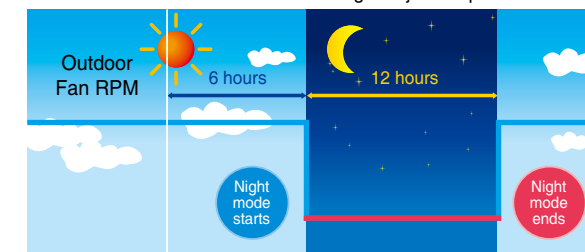
Pleasant Operation Always Stay Comfortable

Samsung system air conditioners provide comfortable and stable air conditioning solutions without any noise disturbances.

Silent Operation at Nighttime

Outdoor unit fan control allows outdoor units to operate silently during the nighttime so that you can enjoy a more pleasant sleep.

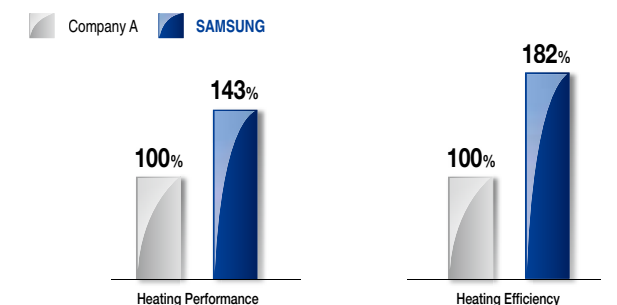
*This function is available when the setting is adjusted upon installation



Nighttime Silent Operation

Top Heating Performance at Low Ambient Temperature

The DVM PLUS IV applies highly advanced technologies such as a super condenser, PHE intercooler, and Vapor Injection to achieve better heating performance, even at low ambient temperatures of (-)10°C.



Heating Performance Comparison (Test based on 10HP model)

Stable Heating Operation

DVM PLUS IV provides stable heating performance by constantly operating in heating mode, even when the outdoor unit recovers oil. The outdoor units from other companies cease heating operation while they recover oil.

*Performance Backup Function

While the outdoor unit is in oil balancing control operation, compressors that are not affected by this operation will keep operating in heating mode to minimize any reduction in performance.



Heating mode maintains the indoor temperature, even during oil recovery operation.

DVM PLUS IV



Heating mode stops when the outdoor units recover oil, thus decreasing the indoor temperature.

Company A

DVM System

Premium Quality Control Heat Recovery

The DVM PLUS IV provides simultaneous heating and cooling in a very stable state for buildings or places that require both at the same time.

Simultaneous Cooling and Heating

Single outdoor units can operate all the indoor units in both cooling and heating mode.

They can also simultaneously operate in cooling and heating mode when it is necessary to provide more freedom for operation.

Recommended Sites



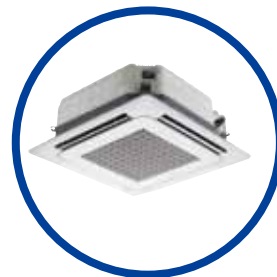
Hotel



Hospital

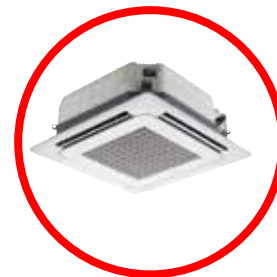
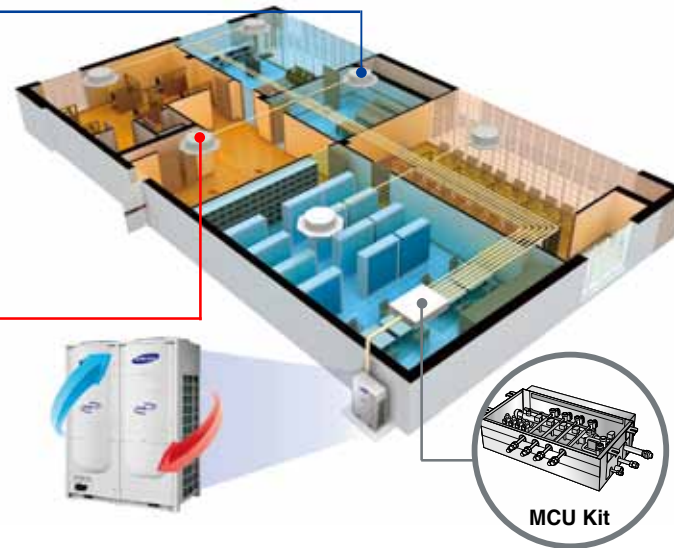


Office



Cooling

Cooling operation for indoor environments where cooling load occurs all year round due to devices and lighting that generates heat.

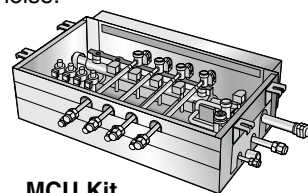


Heating

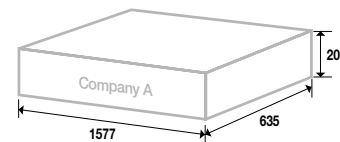
Heating operation for indoor environments where heating load occurs due to the outdoor environment.

MCU Kit

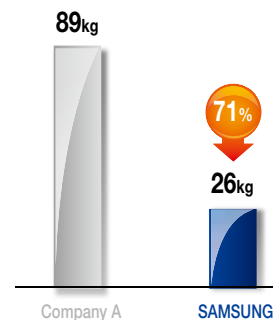
The DVM PLUS IV HR uses an MCU kit that is 33% smaller than our competitor's MCU. Our MCU has an internal On/Off valve that enables fine control through the EEV valve control, and our improved sub-cooler also supports fine-tuned control. Enjoy a pleasant temperature controlled environment through improved performance and reduced noise.



MCU Kit



Volume Comparison



Weight Comparison







Project Gold City

Location Alanya / Antalya

Type Hotel



DVM Lineup & Feature - Outdoor Units

DVM PLUS IV	IMAGE	MODEL	CAPACITY	SINGLE										MODULE																
				8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
COMPACT MODULE		RD080HHXGA RD080HRXGA	8 HP	1																										
		RD100HHXGA RD100HRXGA	10 HP		1						1									1										
		RD120HHXGA RD120HRXGA	12 HP			1					1	2	1	1	1	1				1	2	1	1	1	1					
		RD140HHXGA RD140HRXGA	14 HP				1						1				1					1					1			
		RD160HHXGA RD160HRXGA	16 HP					1						1				1						1				1		
		RD180HHXGA RD180HRXGA	18 HP						1						1				1						1			1		
		RD200HHXGA RD200HRXGA	20 HP							1						1	1	1	1	2	1	1	1	1	1	2	2	2	2	3
HIGH EFFICIENCY MODULE		RD080HHXGA RD080HRXGA	8 HP	1					1		1						1													
		RD100HHXGA RD100HRXGA	10 HP		1				1	2							1	2	1											
		RD120HHXGA RD120HRXGA	12 HP			1						2	1	1					1	2	1	1								
		RD140HHXGA RD140HRXGA	14 HP				1				1		1		1					1			1							
		RD160HHXGA RD160HRXGA	16 HP					1						1	1	2	1	1	1	1	1	2	2	3						

* INDONESIA : RD***HHXGA/XSE

* If you wish to install outdoor unit module with capacity over 60 HP, please contact local Samsung Dealer.

DVM PLUS IV Features

High Efficiency

- DVI (Digital Vapor Injection) Compressor
- Vapor Injection
- PHE (Plate Heat Exchanger)
- Bigger and Better Heat Exchanger
- World Class Energy Efficiency in Heating and Cooling

Large Capacity

- 20HP Single Outdoor Unit
- 80HP Outdoor Unit Module
- Smallest Footprint Area and Lighter Weight
- Economical Installation Cost

Advanced and Reliable Protection

- Sequential Operation of Compressor
- Oil Balancing Control
- Self-diagnose Mode
- Corrosion & Frost Resistant
- Pre-Protection System

Easy Installation & Maintenance

- Longest Piping Length and Highest Elevation
- Optimized Refrigerant Distribution Control
- Automatic Data Backup
- Easier Access for Status Check and Option Settings

Eco-friendly



- Decreased CO₂ Emission
- R410A Refrigerant
- Europe Eco-friendly RoHS Technology Certification
- WEEE


Pleasant Operation

- Silent Operation at Nighttime
- Top Heating Performance at Low Ambient Temperature
- Stable Heating Operation



DVM Lineup & Feature - Outdoor Units

DVM PLUS III				SINGLE								MODULE																							
	IMAGE	MODEL	CAPACITY	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64			
		RVXVHT080GE-01	8 HP	1					1																										
		RVXVHT100GE-01	10 HP		1				1	2	1	1					1											1	1	1					
		RVXVHT120GE-01	12 HP			1						1			1		2	3	2	2	1					3	3	1				1			
		RVXVHT140GE-01	14 HP				1						1		1	2	1		1		1	2	1		1				1			1			
		RVXVHT160GE-01	16 HP						1							1	2				1	1	1	2	3		1	2	2	3	3	3	4		

DVM PLUS III				SINGLE												MODULE															
	IMAGE	MODEL	CAPACITY	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56			
		RVXVHT080GE-01	8 HP	1				2	1			3	2	1																	
		RVXVHT100GE-01	10 HP		1				1	2	1		1	2	3	2	2	1	1			3	2	2	1						
		RVXVHT120GE-01	12 HP			1						1				1		1		1			1		1	2	1				
		RVXVHT140GE-01	14 HP					1									1	1	2	2	3	1	1	2	2	2	3	4			

* INDONESIA
* If you wish to install outdoor unit module with capacity over 60 HP, please contact local Samsung Dealer.

DVM PLUS III Features

High Efficiency

- Digital Hybrid System
- High Efficient Ø8 Heat Exchanger
- New G-fin
- High COP

Easy Installation & Maintenance

- Large Capacity
- Small Footprint Area
- Digital Unit Module
- Automatic Data Backup

Eco-friendly

- Decreased CO₂ Emission
- R410a Refrigerant
- Europe Eco-friendly RoHS Technology Certification
- WEEE



DVM Slim

- Compact Foot Print Size for Minimized Installation Space
- Properly Discharged Without Interference of the Front
- Hermetically Sealed Outdoor System for Low Noise
- Silent Operation Material
- No Electromagnetic Waves in Digital Scroll Compressor
- Easy Installation and Repair

5/6/8HP






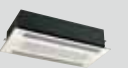






Mini DVM

- High Energy Efficiency
- Compact Design
- Easy Maintenance
- High Reliability
- Various Indoor Units
- Wide Compatibility










DVM Lineup & Feature - Indoor Units







Cassette

MODEL		 4WAY CASSETTE S	 MINI 4WAY	 SLIM 1WAY	 2WAY
CAPACITY	2.2			●	
	2.8		●	●	
	3.6		●	●	
	4.5	●			
	5.6	●	●		●
	6.0		●		
	7.1	●			●
	9.0	●			
	11.2	●			
	12.8	●			
	14.0	●			
FEATURES	 Wide Blade	●		●	
	 Ceiling Soiling Prevention	●		●	
	 Fresh Air Intake	●			
	 High Lift-Up Drain Pump	●	●	●	●
	 Quick Connection of Drain Pipe		●	●	●
	 Sub Duct	●			








Duct

MODEL		 SLIM	 MSP	 HSP
CAPACITY	2.2	●		
	2.8	●		
	3.6	●		
	4.5	●		
	5.6	●	●	
	7.1	●	●	
	9.0	●	●	
	11.2	●	●	●
	12.8	●	●	●
	14.0	●	●	●
	20.0			●
	22.4			●
	28.0			●
FEATURES	 Anti-Bacteria Filter	●	●	
	 Easy Filter Cleaning	●	●	
	 High Lift-Up Drain Pump	●	●	
	 Smart Pressure Control	●	●	

Wall-mounted

MODEL		 NEO FORTE	 VIVACE	 MONTBLANC
CAPACITY	2.2	●	●	
	2.8	●	●	●
	3.6	●	●	●
	5.6	●	●	●
	7.1	●	●	●
FEATURES	 S-Plasma ion		●	●
	 Deodorizing Filter	●	●	●
	 Catechin Filter	●	●	●

Console & Ceiling

MODEL		 CONSOLE	 CEILING
CAPACITY	2.8	●	
	3.6	●	
	5.6	●	●
	7.1		●
FEATURES	 S-Plasma ion	●	
	 Interior Design	●	●
	 Anti-Bacteria Filter	●	●
	 Light Weight	●	●
	 Flexible Pipe Installation	●	●

DVM Specification - Outdoor Units



DVM PLUS IV
DIGITAL VARIABLE MULTI

- High Efficiency
- Large Capacity
- Advanced and Reliable Protection
- Easy Installation & Maintenance
- Pleasant Operation
- Eco-friendly

Module Type - Compact

DVM PLUS IV COMPACT MODULE

Model Name				RD080HHXGA	RD100HHXGA	
Power Supply				Φ, #, V, Hz	3, 4, 380~415, 50	
Mode				-	Heat Pump	
Performance	HP		HP	8	10	
	Capacity (Nominal)	Cooling	kW	22.4	28.0	
			Btu/h	76,400	95,500	
		Heating	kW	25.2	31.5	
			Btu/h	86,000	107,500	
Power	Power Input (Nominal)	Cooling	kW	5.20	7.04	
		Heating		5.46	6.89	
	Current Input (Nominal)	Cooling		8.80	13.00	
		Heating	A	11.40	12.70	
	Circuit Breaker (MCCB+ELB / ELCB)			A	30	
COP	Nominal Cooling		-	4.31	3.98	
	Nominal Heating		-	4.62	4.57	
Fan	Air Flow Rate		CMM	173	173	
Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52	
	Gas Pipe		Φ, mm	19.05	22.23	
	Discharge Gas Pipe (DVM PLUS IV HR)		Φ, mm	15.88	19.05	
	Oil Equalizing Pipe		Φ, mm	-	-	
	Installation Limitation		Max. Length	m	200	200
Refrigerant			Max. Height	m	50 (40)	50 (40)
	Type		-	R410a	R410a	
	Factory Charging		kg	5.0	5.0	
Sound	Sound Pressure		dB(A)	57	58	
External Dimension	Net Weight	DVM PLUS IV HP	kg	237	237	
		DVM PLUS IV HR		243	243	
	Shipping Weight	DVM PLUS IV HP	kg	253	253	
		DVM PLUS IV HR		259	259	
	Net Dimensions (WxHxD)		mm	880 x 1695 x 765	880 x 1695 x 765	
Shipping Dimensions (WxHxD)		mm	948 x 1912 x 832	948 x 1912 x 832		
Operating Temp. Range	Cooling	°C	-5 ~ 48	-5 ~ 48		
	Heating	°C	-20 ~ 24	-20 ~ 24		

* INDONESIA : RD***HHXGB/XSE

Model Name				RD120HHXGA	RD140HRXGA	RD160HHXGA	RD180HHXGA	RD200HHXGA
Power Supply				Φ, #, V, Hz	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50
Mode				-	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Performance	HP	Cooling	HP	12	14	16	18	20
			kW	33.6	39.2	44.8	50.4	56.0
	Capacity (Nominal)	Heating	Btu/h	114,600	133,800	152,900	172,000	191,100
			kW	37.8	44.1	50.4	56.7	63.0
Power	Power Input (Nominal)	Cooling	kW	9.20	10.10	12.00	15.70	17.00
			Heating	8.50	9.65	11.30	12.90	14.50
	Current Input (Nominal)	Cooling	A	20.00	20.90	22.00	31.30	32.80
			Heating	18.40	19.40	27.20	26.70	29.10
	Circuit Breaker (MCCB+ELB / ELCB)			A	40	50	60	60
	COP	Nominal Cooling			-	3.65	3.88	3.73
Nominal Heating			-	4.45	4.57	4.46	4.40	
Fan	Air Flow Rate			CMM	210	226	250	270
	Liquid Pipe			Φ, mm	12.70	12.70	12.70	15.88
Piping Connections	Gas Pipe			Φ, mm	25.40	25.40	28.58	28.58
	Discharge Gas Pipe (DVM PLUS IV HR)			Φ, mm	22.23	22.23	25.40	25.40
	Oil Equalizing Pipe			Φ, mm	-	-	-	-
	Installation Limitation			Max. Length	m	200	200	200
Refrigerant	Max. Height			m	50 (40)	50 (40)	50 (40)	50 (40)
	Type			-	R410a	R410a	R410a	R410a
Sound	Factory Charging			kg	5.0	7.0	8.5	8.5
	Sound Pressure			dB(A)	60	60	60	61
External Dimension	Net Weight	DVM PLUS IV HP	kg	240	280	329	340	349
			DVM PLUS IV HR	243	293	338	349	355
	Shipping Weight	DVM PLUS IV HP	kg	256	301	350	361	370
			DVM PLUS IV HR	259	314	359	369	376
	Net Dimensions (WxHxD)			mm	880 x 1695 x 765	1295 x 1695 x 765	1295 x 1695 x 765	1295 x 1695 x 765
	Shipping Dimensions (WxHxD)			mm	948 x 1912 x 832	1363 x 1912 x 832	1363 x 1912 x 832	1363 x 1912 x 832
Operating Temp. Range	Cooling			°C	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating			°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

* INDONESIA : RD***HHXGB/XSE

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

DVM Specification - Outdoor Units

Module Type - Compact

DVM PLUS IV COMPACT MODULE	Model Name			RD220HHXGA	RD240HHXGA	RD260HHXGA	RD280HHXGA	RD300HHXGA	
	Power Supply			Φ, #, V, Hz	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	
	Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump	
	Performance	HP	HP	22	24	26	28	30	
			kW	61.6	67.2	72.8	78.4	84	
		Capacity (Nominal)	Cooling	Btu/h	210,200	229,300	248,400	267,500	286,600
				kW	69.3	75.6	81.9	88.2	94.5
			Heating	Btu/h	236,500	258,000	279,500	301,000	322,400
				kW	71.2	77.8	84.4	91.0	97.6
	Power	Power Input (Nominal)	Cooling	kW	16.24	18.4	19.3	21.2	24.9
			Heating	kW	15.39	17	18.15	19.8	21.4
		Current Input (Nominal)	Cooling	A	33	40	40.9	42	51.3
			Heating	A	31.1	36.8	37.8	45.6	45.1
		Circuit Breaker (MCCB+ELB / ELCB)		A	75	75	75	75	100
		Nominal Cooling		-	3.79	3.65	3.77	3.7	3.37
	COP	Nominal Heating		-	4.5	4.45	4.51	4.45	4.42
		Air Flow Rate		CMM	(173) x 1 + (210) x 1	(210) x 2	(210) x 1 + (226) x 1	(210) x 1 + (250) x 1	(210) x 1 + (270) x 1
	Piping Connections	Liquid Pipe	Φ, mm	15.88	15.88	19.05	19.05	19.05	
			Gas Pipe	Φ, mm	28.58	28.58	31.75	31.75	31.75
			Discharge Gas Pipe (DVM PLUS IV HR)	Φ, mm	25.40	25.40	28.58	28.58	28.58
			Oil Equalizing Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35
		Installation Limitation	Max. Length	m	200	200	200	200	200
			Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)
	Refrigerant	Type		-	R410a	R410a	R410a	R410a	
Factory Charging		kg	10	10	12	12	13.5		
Sound	Sound Pressure		dB(A)	62	63	63	63	63	
	Net Weight	DVM PLUS IV HP	kg	(237) x 1 + (240) x 1	(240) x 2	(240) x 1 + (280) x 1	(240) x 1 + (329) x 1	(240) x 1 + (340) x 1	
DVM PLUS IV HR		kg	(243) x 2	(243) x 2	(243) x 1 + (293) x 1	(243) x 1 + (338) x 1	(243) x 1 + (349) x 1		
External Dimension	Shipping Weight	DVM PLUS IV HP	kg	(253) x 1 + (256) x 1	(256) x 2	(256) x 1 + (301) x 1	(256) x 1 + (350) x 1	(256) x 1 + (361) x 1	
		DVM PLUS IV HR	kg	(259) x 2	(259) x 2	(259) x 1 + (314) x 1	(259) x 1 + (359) x 1	(259) x 1 + (369) x 1	
	Net Dimensions (WxHxD)		mm	(880 x 1695 x 765) x 2	(880 x 1695 x 765) x 2	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 1	
	Shipping Dimensions (WxHxD)		mm	(948 x 1912 x 832) x 2	(948 x 1912 x 832) x 2	(948 x 1912 x 832) x 1 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 1 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 1 + (1363 x 1912 x 832) x 1	
Operating Temp. Range	Cooling	℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48		
	Heating	℃	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24		

* INDONESIA : RD***HHXGB/XSE

DVM PLUS IV COMPACT MODULE	Model Name			RD320HHXGA	RD340HHXGA	RD360HHXGA	RD380HHXGA	RD400HHXGA	
	Power Supply			Φ, #, V, Hz	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	
	Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump	
	Performance	HP	HP	32	34	36	38	40	
			kW	89.6	95.2	100.8	106.4	112	
		Capacity (Nominal)	Cooling	Btu/h	305,700	324,800	343,900	363,100	382,200
				kW	100.8	107.1	113.4	119.7	126
			Heating	Btu/h	343,900	365,400	386,900	408,400	429,900
	Power	Power Input (Nominal)	Cooling	kW	26.2	27.1	29	32.7	34
			Heating		23	24.15	25.8	27.4	29
		Current Input (Nominal)	Cooling	A	52.8	53.7	54.8	64.1	65.6
			Heating		47.5	48.5	56.3	55.8	58.2
		Circuit Breaker (MCCB+ELB / ELCB)		A	100	100	100	100	100
		COP	Nominal Cooling		-	3.42	3.51	3.48	3.25
	Nominal Heating		-	4.38	4.43	4.4	4.37	4.34	
	Fan	Air Flow Rate		CMM	(210) x 1 + (275) x 1	(226) x 1 + (275) x 1	(250) x 1 + (275) x 1	(270) x 1 + (275) x 1	(275) x 2
	Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05
			Gas Pipe	Φ, mm	31.75	31.75	38.1	38.1	38.1
			Discharge Gas Pipe (DVM PLUS IV HR)	Φ, mm	28.58	28.58	31.75	31.75	31.75
			Oil Equalizing Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35
		Installation Limitation	Max. Length	m	200	200	200	200	200
			Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)
	Refrigerant	Type		-	R410a	R410a	R410a	R410a	R410a
		Factory Charging		kg	13.5	15.5	15.5	17	17
	Sound	Sound Pressure		dB(A)	64	64	64	64	64
	External Dimension	Net Weight	DVM PLUS IV HP	kg	(240) x 1 + (349) x 1	(280) x 1 + (349) x 1	(329) x 1 + (349) x 1	(340) x 1 + (349) x 1	(349) x 2
			DVM PLUS IV HR		(243) x 1 + (355) x 1	(293) x 1 + (355) x 1	(338) x 1 + (355) x 1	(349) x 1 + (355) x 1	(355) x 2
		Shipping Weight	DVM PLUS IV HP	kg	(256) x 1 + (370) x 1	(301) x 1 + (370) x 1	(350) x 1 + (370) x 1	(361) x 1 + (370) x 1	(370) x 2
			DVM PLUS IV HR		(259) x 1 + (376) x 1	(314) x 1 + (376) x 1	(359) x 1 + (376) x 1	(369) x 1 + (376) x 1	(376) x 2
		Net Dimensions (WxHxD)		mm	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 1	(1295 x 1695 x 765) x 2	(1295 x 1695 x 765) x 2	(1295 x 1695 x 765) x 2	(1295 x 1695 x 765) x 2
		Shipping Dimensions (WxHxD)		mm	(948 x 1912 x 832) x 1 + (1363 x 1912 x 832) x 1	(1363 x 1912 x 832) x 2	(1363 x 1912 x 832) x 2	(1363 x 1912 x 832) x 2	(1363 x 1912 x 832) x 2
	Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
		Heating		℃	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

* INDONESIA : RD***HHXGB/XSE

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

DVM Specification - Outdoor Units

Module Type - Compact

DVM PLUS IV COMPACT MODULE	Model Name			RD420HHXGA	RD440HHXGA	RD460HHXGA	RD480HHXGA	RD500HHXGA
	Power Supply			Φ, #, V, Hz	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50
	Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump
	Performance	HP	HP	42	44	46	48	50
			kW	117.6	123.2	128.8	134.4	140
		Capacity (Nominal)	Cooling	Btu/h	401,300	420,400	439,500	477,700
				kW	132.3	138.6	144.9	157.5
			Heating	Btu/h	451,400	472,900	494,400	537,400
	Power	Power Input (Nominal)	Cooling	kW	33.24	35.4	36.3	41.9
			Heating		29.89	31.5	32.65	35.9
		Current Input (Nominal)	Cooling	A	65.8	72.8	73.7	84.1
			Heating		60.2	65.9	66.9	74.2
		Circuit Breaker (MCCB+ELB / ELCB)		A	125	125	125	150
	COP	Nominal Cooling		-	3.54	3.48	3.55	3.34
		Nominal Heating		-	4.43	4.4	4.44	4.39
	Fan	Air Flow Rate		CMM	(173) x 1 + (210) x 1 + (275) x 1	(210) x 2 + (275) x 1	(210) x 1 + (226) x 1 + (275) x 1	(210) x 1 + (250) x 1 + (275) x 1
	Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	19.05	19.05	22.23
			Φ, mm	38.1	38.1	38.1	38.1	44.45
			Discharge Gas Pipe (DVM PLUS IV HR)	Φ, mm	31.75	31.75	31.75	38.10
			Oil Equalizing Pipe	Φ, mm	6.35	6.35	6.35	6.35
		Installation Limitation	Max. Length	m	200	200	200	200
			Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)
	Refrigerant	Type		-	R410a	R410a	R410a	R410a
		Factory Charging		kg	18.5	18.5	20.5	22
	Sound	Sound Pressure		dB(A)	64	65	65	66
	External Dimension	Net Weight	DVM PLUS IV HP	kg	(237) x 1 + (240) x 1 + (349) x 1	(240) x 2 + (349) x 1	(240) x 1 + (280) x 1 + (349) x 1	(240) x 1 + (329) x 1 + (349) x 1
			DVM PLUS IV HR		(243) x 2 + (355) x 1	(243) x 2 + (355) x 1	(243) x 1 + (293) x 1 + (355) x 1	(243) x 1 + (338) x 1 + (355) x 1
		Shipping Weight	DVM PLUS IV HP	kg	(253) x 1 + (256) x 1 + (370) x 1	(256) x 2 + (370) x 1	(256) x 1 + (301) x 1 + (370) x 1	(256) x 1 + (350) x 1 + (370) x 1
			DVM PLUS IV HR		(259) x 2 + (376) x 1	(259) x 2 + (376) x 1	(259) x 1 + (314) x 1 + (376) x 1	(259) x 1 + (369) x 1 + (376) x 1
		Net Dimensions (WxHxD)		mm	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 2	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 2
		Shipping Dimensions (WxHxD)		mm	(948 x 1912 x 832) x 2 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 2 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 1 + (1363 x 1912 x 832) x 2	(948 x 1912 x 832) x 1 + (1363 x 1912 x 832) x 2
	Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
		Heating		°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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DVM PLUS IV COMPACT MODULE	Model Name			RD520HHXGA	RD540HHXGA	RD560HHXGA	RD580HHXGA	RD600HHXGA
	Power Supply			Φ, #, V, Hz	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50
	Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump
	Performance	HP	HP	52	54	56	58	60
			kW	145.6	151.2	156.8	162.4	168
		Capacity (Nominal)	Cooling	Btu/h	496,800	515,900	535,000	573,200
				kW	163.8	170.1	176.4	189
			Heating	Btu/h	558,900	580,400	601,900	644,900
	Power	Power Input (Nominal)	Cooling	kW	43.2	44.1	46	49.7
			Heating		37.5	38.65	40.3	41.9
		Current Input (Nominal)	Cooling	A	85.6	86.5	87.6	96.9
			Heating		76.6	77.6	85.4	84.9
		Circuit Breaker (MCCB+ELB / ELCB)		A	150	150	150	150
	COP	Nominal Cooling		-	3.37	3.43	3.41	3.27
		Nominal Heating		-	4.37	4.4	4.38	4.36
	Fan	Air Flow Rate		CMM	(210) x 1 + (275) x 2	(226) x 1 + (275) x 2	(250) x 1 + (275) x 2	(270) x 1 + (275) x 2
	Piping Connections	Liquid Pipe	Φ, mm	22.23	22.23	22.23	22.23	22.23
			Φ, mm	44.45	44.45	44.45	44.45	44.45
			Discharge Gas Pipe (DVM PLUS IV HR)	Φ, mm	38.10	38.10	38.10	38.10
			Oil Equalizing Pipe	Φ, mm	6.35	6.35	6.35	6.35
		Installation Limitation	Max. Length	m	200	200	200	200
			Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)
	Refrigerant	Type		-	R410a	R410a	R410a	R410a
		Factory Charging		kg	22	24	25.5	25.5
	Sound	Sound Pressure		dB(A)	66	66	66	67
	External Dimension	Net Weight	DVM PLUS IV HP	kg	(240) x 1 + (349) x 2	(280) x 1 + (349) x 2	(329) x 1 + (349) x 2	(340) x 1 + (349) x 2
			DVM PLUS IV HR		(243) x 1 + (355) x 2	(293) x 1 + (355) x 2	(338) x 1 + (355) x 2	(349) x 1 + (355) x 2
		Shipping Weight	DVM PLUS IV HP	kg	(256) x 1 + (370) x 2	(301) x 1 + (370) x 2	(350) x 1 + (370) x 2	(361) x 1 + (370) x 2
			DVM PLUS IV HR		(259) x 1 + (376) x 2	(314) x 1 + (376) x 2	(359) x 1 + (376) x 2	(369) x 1 + (376) x 2
		Net Dimensions (WxHxD)		mm	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 2	(1295 x 1695 x 765) x 3	(1295 x 1695 x 765) x 3	(1295 x 1695 x 765) x 3
		Shipping Dimensions (WxHxD)		mm	(948 x 1912 x 832) x 1 + (1363 x 1912 x 832) x 2	(1363 x 1912 x 832) x 3	(1363 x 1912 x 832) x 3	(1363 x 1912 x 832) x 3
	Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
		Heating		°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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DVM Specification - Outdoor Units

Module Type - High Efficiency

DVM PLUS IV HIGH EFFICIENCY MODULE	Model Name			RD080HHXGA	RD100HHXGA	RD120HHXGA	RD140HHXGA	RD160HHXGA	RD180HHXGA	
	Power Supply			Φ, #, V, Hz	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	
	Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	
	Performance	HP	HP	8	10	12	14	16	18	
			kW	22.4	28.0	33.6	39.2	44.8	50.4	
		Capacity (Nominal)	Cooling	Btu/h	76,400	95,500	114,600	133,800	152,900	172,000
			Heating	kW	25.2	31.5	37.8	44.1	50.4	56.7
	Power	Power Input (Nominal)	Cooling	kW	5.20	7.04	9.20	10.10	12.00	12.24
			Heating	5.46	6.89	8.50	9.65	11.30	12.35	
		Current Input (Nominal)	Cooling	A	8.80	13.00	20.00	20.90	22.00	21.8
			Heating	11.40	12.70	18.40	19.40	27.20	24.1	
		Circuit Breaker (MCCB+ELB / ELCB)		A	30	30	40	40	50	50
		COP	Nominal Cooling		-	4.31	3.98	3.65	3.88	3.73
	Nominal Heating		-	4.62	4.57	4.45	4.57	4.46	4.59	
	Fan	Air Flow Rate		CMM	173	173	210	226	250	(173) x 2
		Liquid Pipe		Φ, mm	9.52	9.52	12.70	12.70	12.70	15.88
	Piping Connections	Gas Pipe		Φ, mm	19.05	22.23	25.40	25.40	28.58	28.58
		Discharge Gas Pipe (DVM PLUS IV HR)		Φ, mm	15.88	19.05	22.23	22.23	25.40	25.40
		Oil Equalizing Pipe		Φ, mm	-	-	-	-	-	6.35
		Installation Limitation		Max. Length	m	200	200	200	200	200
Max. Height				m	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)	
Refrigerant	Type		-	R410a	R410a	R410a	R410a	R410a	R410a	
	Factory Charging		kg	5.0	5.0	5.0	7.0	7.0	10	
Sound	Sound Pressure		dB(A)	57	58	60	60	60	60	
	External Dimension	Net Weight	DVM PLUS IV HP	kg	237	237	240	280	329	(237) x 2
DVM PLUS IV HR			243	243	243	293	338	(243) x 2		
Shipping Weight		DVM PLUS IV HP	kg	253	253	256	301	350	(253) x 2	
		DVM PLUS IV HR	259	259	259	314	359	(259) x 2		
Net Dimensions (WxHxD)		mm	880 x 1695 x 765	880 x 1695 x 765	880 x 1695 x 765	1295 x 1695 x 765	1295 x 1695 x 765	(880 x 1695 x 765) x 2		
Shipping Dimensions (WxHxD)		mm	948 x 1912 x 832	948 x 1912 x 832	948 x 1912 x 832	1363 x 1912 x 832	1363 x 1912 x 832	(948 x 1912 x 832) x 2		
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	
	Heating		°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	
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DVM PLUS IV HIGH EFFICIENCY MODULE	Model Name			RD200HHXGA	RD220HHXGA	RD240HHXGA	RD260HHXGA	RD280HHXGA	RD300HHXGA	
	Power Supply			Φ, #, V, Hz	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	
	Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	
	Performance	HP	HP	20	22	24	26	28	30	
			kW	56	61.6	67.2	72.8	78.4	84	
		Capacity (Nominal)	Cooling	Btu/h	191,100	210,200	229,300	248,400	267,500	286,600
			Heating	kW	63	69.3	75.6	81.9	88.2	94.5
	Power	Power Input (Nominal)	Cooling	kW	14.08	15.3	18.4	19.3	21.2	22.1
			Heating	13.78	15.11	17	18.15	19.8	20.95	
		Current Input (Nominal)	Cooling	A	26	29.7	40	40.9	42	42.9
			Heating	25.4	30.8	36.8	37.8	45.6	46.6	
		Circuit Breaker (MCCB+ELB / ELCB)		A	60	60	75	75	75	75
		COP	Nominal Cooling		-	3.98	4.03	3.65	3.77	3.7
	Nominal Heating		-	4.57	4.59	4.45	4.51	4.45	4.51	
	Fan	Air Flow Rate		CMM	(173) x 2	(173) x 1 + (226) x 1	(210) x 2	(210) x 1 + (226) x 1	(210) x 1 + (250) x 1	(226) x 1 + (250) x 1
		Liquid Pipe		Φ, mm	15.88	15.88	15.88	19.05	19.05	19.05
	Piping Connections	Gas Pipe		Φ, mm	28.58	28.58	28.58	31.75	31.75	31.75
		Discharge Gas Pipe (DVM PLUS IV HR)		Φ, mm	25.40	25.40	25.40	28.58	28.58	28.58
		Oil Equalizing Pipe		Φ, mm	6.35	6.35	6.35	6.35	6.35	6.35
		Installation Limitation	Max. Length	m	200	200	200	200	200	200
Max. Height			m	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)	
Refrigerant	Type		-	R410a	R410a	R410a	R410a	R410a	R410a	
	Factory Charging		kg	10	12	10	12	12	14	
Sound	Sound Pressure		dB(A)	61	62	62	62	63	63	
	External Dimension	Net Weight	DVM PLUS IV HP	(237) x 2	(237) x 1 + (280) x 1	(240) x 2	(240) x 1 + (329) x 1	(240) x 1 + (329) x 1	(280) x 1 + (329) x 1	
DVM PLUS IV HR			(243) x 2	(243) x 1 + (293) x 1	(243) x 2	(243) x 1 + (293) x 1	(243) x 1 + (338) x 1	(293) x 1 + (338) x 1		
Shipping Weight		DVM PLUS IV HP	(253) x 2	(253) x 1 + (301) x 1	(256) x 2	(256) x 1 + (301) x 1	(256) x 1 + (350) x 1	(301) x 1 + (350) x 1		
		DVM PLUS IV HR	(259) x 2	(259) x 1 + (314) x 1	(259) x 2	(259) x 1 + (314) x 1	(259) x 1 + (359) x 1	(314) x 1 + (359) x 1		
Net Dimensions (WxHxD)		mm	(880 x 1695 x 765) x 2	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 2	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 1	(1295 x 1695 x 765) x 2		
Shipping Dimensions (WxHxD)		mm	(948 x 1912 x 832) x 2	(948 x 1912 x 832) x 1 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 2	(948 x 1912 x 832) x 1 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 1 + (1363 x 1912 x 832) x 1	(1363 x 1912 x 832) x 2		
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	
	Heating		℃	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	

* INDONESIA : RD***HHXGB/XSE

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DVM Specification - Outdoor Units

Module Type - High Efficiency

DVM PLUS IV HIGH EFFICIENCY MODULE	Model Name			RD320HHXGA	RD340HHXGA	RD360HHXGA	RD380HHXGA	RD400HHXGA	RD420HHXGA
	Power Supply			Φ, #, V, Hz	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50	3, 4, 380~415, 50
	Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
	Performance	HP	HP	32	34	36	38	40	42
			kW	89.6	95.2	100.8	106.4	112	117.6
		Capacity (Nominal)	Cooling	Btu/h	305,700	324,800	343,900	363,100	401,300
			Heating	kW	100.8	107.1	113.4	119.7	126
	Power	Power Input (Nominal)	Cooling	Btu/h	343,900	365,400	386,900	408,400	429,900
			Heating	kW	24	24.24	26.08	28.24	30.4
		Current Input (Nominal)	Cooling	kW	22.6	23.65	25.08	26.69	28.3
			Heating	A	44	43.8	48	55	62
DVM PLUS IV HIGH EFFICIENCY MODULE	COP	Nominal Cooling	Cooling	A	54.4	51.3	52.6	58.3	64
			Heating	A	100	100	100	100	125
		Nominal Heating	Cooling	-	3.73	3.93	3.87	3.77	3.68
			Heating	-	4.46	4.53	4.52	4.48	4.45
	Fan	Air Flow Rate	Cooling	CMM	(250) x 2	(173) x 2 + (250) x 1	(173) x 2 + (250) x 1	(173) x 1 + (210) x 1 + (250) x 1	(210) x 2 + (250) x 1
			Heating	CMM	(250) x 2	(173) x 2 + (250) x 1	(173) x 2 + (250) x 1	(173) x 1 + (210) x 1 + (250) x 1	(210) x 2 + (250) x 1
		Liquid Pipe	Cooling	Φ, mm	19.05	19.05	19.05	19.05	19.05
			Heating	Φ, mm	31.75	31.75	38.1	38.1	38.1
	Piping Connections	Discharge Gas Pipe	Cooling	Φ, mm	28.58	28.58	31.75	31.75	31.75
			Heating	Φ, mm	6.35	6.35	6.35	6.35	6.35
DVM PLUS IV HIGH EFFICIENCY MODULE	Refrigerant	Oil Equalizing Pipe	Cooling	Φ, mm	6.35	6.35	6.35	6.35	6.35
			Heating	Φ, mm	6.35	6.35	6.35	6.35	6.35
		Installation Limitation	Cooling	Max. Length	m	200	200	200	200
			Heating	Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)
	Sound	Type	Cooling	-	R410a	R410a	R410a	R410a	R410a
			Heating	-	R410a	R410a	R410a	R410a	R410a
		Factory Charging	Cooling	kg	14	17	17	17	19
			Heating	kg	14	17	17	17	19
	External Dimension	Net Weight	Cooling	kg	63	64	64	64	64
			Heating	kg	63	64	64	64	64
DVM PLUS IV HIGH EFFICIENCY MODULE	Operating Temp. Range	Cooling	Cooling	°C	(329) x 2	(237) x 2 + (329) x 1	(237) x 2 + (329) x 1	(237) x 1 + (240) x 1 + (329) x 1	(240) x 2 + (329) x 1
			Heating	°C	(338) x 2	(243) x 2 + (338) x 1	(243) x 2 + (338) x 1	(243) x 2 + (338) x 1	(243) x 2 + (338) x 1
	Shipping Weight	DVM PLUS IV HP	Cooling	kg	(350) x 2	(253) x 2 + (350) x 1	(253) x 2 + (350) x 1	(253) x 1 + (256) x 1 + (350) x 1	(256) x 2 + (350) x 1
			Heating	kg	(359) x 2	(259) x 2 + (359) x 1	(259) x 2 + (359) x 1	(259) x 2 + (359) x 1	(259) x 2 + (359) x 1
	Net Dimensions (WxHxD)	DVM PLUS IV HR	Cooling	mm	(1295 x 1695 x 765) x 2	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1
			Heating	mm	(1363 x 1912 x 832) x 2	(948 x 1912 x 832) x 2 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 2 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 2 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 2 + (1363 x 1912 x 832) x 1
	Shipping Dimensions (WxHxD)	DVM PLUS IV HR	Cooling	mm	(1295 x 1695 x 765) x 2	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1
			Heating	mm	(1363 x 1912 x 832) x 2	(948 x 1912 x 832) x 2 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 2 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 2 + (1363 x 1912 x 832) x 1	(948 x 1912 x 832) x 2 + (1363 x 1912 x 832) x 1
	Operating Temp. Range	Cooling	Cooling	°C	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
			Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

* INDONESIA : RD***HHXGB/XSE

DVM PLUS IV HIGH EFFICIENCY MODULE	Model Name			RD440HHXGA	RD460HHXGA	RD480HHXGA	
	Power Supply			Φ, #, V, Hz	3, 4, 380~415, 50	3, 4, 380~415, 50	
	Mode			-	Heat Pump	Heat Pump	
	Performance	HP	HP	44	46	48	
			kW	123.2	128.8	134.4	
		Capacity (Nominal)	Cooling	Btu/h	420,400	439,500	458,600
			Heating	kW	138.6	144.9	151.2
				Btu/h	472,900	494,400	515,900
			Power	Power Input (Nominal)	Cooling	33.2	34.1
	Heating	31.1			32.25	33.9	
	Current Input (Nominal)	Cooling		64	64.9	66	
		Heating		72.8	73.8	81.6	
	Circuit Breaker (MCCB+ELB / ELCB)			A	125	125	150
	COP	Nominal Cooling		-	3.71	3.78	3.73
		Nominal Heating	-	4.46	4.49	4.46	
	Fan	Air Flow Rate	CMM	(210) x 1 + (250) x 2	(226) x 1 + (250) x 2	(250) x 3	
		Liquid Pipe	Φ, mm	19.05	19.05	19.05	
	Piping Connections	Gas Pipe	Φ, mm	38.1	38.1	38.1	
		Discharge Gas Pipe	(DVM PLUS IV HR) Φ, mm	31.75	31.75	31.75	
		Oil Equalizing Pipe	Φ, mm	6.35	6.35	6.35	
Installation Limitation		Max. Length	m	200	200	200	
		Max. Height	m	50 (40)	50 (40)	50 (40)	
Refrigerant		Type	-	R410a	R410a	R410a	
	Factory Charging	kg	19	21	21		
Sound	Sound Pressure	dB(A)	65	65	65		
External Dimension	Net Weight	DVM PLUS IV HP	(240) x 1 + (329) x 2	(280) x 1 + (329) x 2	(329) x 3		
		DVM PLUS IV HR	(243) x 1 + (338) x 2	(293) x 1 + (338) x 2	(338) x 3		
		DVM PLUS IV HP	(256) x 1 + (350) x 2	(301) x 1 + (350) x 2	(350) x 3		
		DVM PLUS IV HR	(259) x 1 + (359) x 2	(314) x 1 + (359) x 2	(359) x 3		
	Net Dimensions (WxHxD)		mm	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 2	(1295 x 1695 x 765) x 3		
	Shipping Dimensions (WxHxD)		mm	(948 x 1912 x 832) x 1 + (1363 x 1912 x 832) x 2	(1363 x 1912 x 832) x 3		
Operating Temp. Range	Cooling	°C	-5 ~ 48	-5 ~ 48	-5 ~ 48		
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24		

* INDONESIA : RD***HHXGB/XSE

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DVM Specification - Outdoor Units



Mini DVM

DIGITAL VARIABLE MULTI

- High Energy Efficiency
- Compact Design
- Easy Maintenance
- High Reliability
- Various Indoor Units
- Wide Compatibility

Mini DVM

Model			General	RVXMHF040EA	RVXMHF050EA	RVXMHF050GA	RVXMHF060GA
Performance	Horse Power		HP	4	5	5	6
			kW	12.5	14.0	14.0	16.0
	Capacity	Cooling	Btu/h	42,700	47,800	47,800	54,600
		Heating	kW	14.5	16.0	16.0	18.0
Power	Nominal Running Current		Btu/h	49,400	54,600	54,600	61,500
		Cooling	kW	19.0	22.4	8.5	11.0
	Heating	kW	18.0	20.1	7.8	9.9	
	Nominal Input	Cooling	kW	3.75	4.60	4.61	5.24
		Heating	kW	3.58	4.13	4.13	4.82
	Circuit Breake	(MCCB/ELB)	A	30	30	20	20
Power Supply			øV/Hz	1/220~240/50	1/220~240/50	3/380~415/50	3/380~415/50
Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump
COP	Cooling		-	3.33	3.04	3.04	3.05
	Heating		-	3.91	3.87	3.87	3.73
Compressor	Type		-	Digital Scroll	Digital Scroll	Digital Scroll	Digital Scroll
	Piston Displacement		cc/Rev	58.10	62.98	67.13	77.20
	Output		kW	5.0	5.4	5.75	6.65
	Lubricant	Tupe	-	3MAF POE	3MAF POE	3MAF POE	3MAF POE
Fan		Charging	cc	1,893	1,893	1,893	1,774
	Type		-	Propeller	Propeller	Propeller	Propeller
	Output		W	200x2	200x2	200x2	200x2
	Airflow Rate	Cooling/Heating	m³/min	105	105	105	105
Piping Connections	Liquid(Flare)		ø,mm	9.52	9.52	9.52	9.52
	Gas(Flare)		ø,mm	15.88	15.88	15.88	15.88
	Installation Limitation	Max.Length	m	100	100	100	100
		Max.Height	m	30	30	30	30
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factoty Charging		kg	5.5	5.5	5.5	5.5
Sound	Sound Pressure (Cooling/Heating)		dB(A)	55/56	55/57	55/57	57/60
Set Size	Net Weight		kg	124	125	125	125
	Shipping Weight		kg	132	133	133	133
	Net Dimensions (WxGxD)		mm	932x1, 128x375	932x1, 128x375	932x1, 128x375	932x1, 128x375
	Shipping Dimensions (WxGxD)		mm	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472
Operating Temp. Range	Cooling		°C	-5~43	-5~43	-5~43	-5~43
	Heating		°C	-20~24	-20~24	-20~24	-20~24

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DVM Specification - Outdoor Units



Mini DVM
DIGITAL VARIABLE MULTI
INVERTER

- High Energy Efficiency
- Compact Design
- Easy Maintenance
- High Reliability
- Various Indoor Units
- Wide Compatibility

Mini DVM	Model	Australia		RVXMHF040EBXSA	RVXMHF050EBXSA	RVXMHF060EBXSA
	Horse Power	HP		4	5	6
	Performance	Cooling	kW	11.2	14.0	15.5
			Btu/h	38,200	47,800	52,900
		Heating	kW	12.5	16.0	18.0
			Btu/h	42,700	54,600	61,400
	Power	Nominal Running Current	Cooling kW	15.2	20.5	23.5
			Heating kW	15.6	20.5	23.0
		Nominal Input	Cooling kW	3.00	4.05	4.65
			Heating kW	3.08	4.06	4.55
		Circuit Breake	(MCCB/ELB) A	40	40	40
	Power Supply	øV/Hz		1/220~240/50	1/220~240/50	3/380~415/50
	Mode	-		Heat Pump	Heat Pump	Heat Pump
	COP	Cooling	-	3.73	3.46	3.33
		Heating	-	4.06	3.94	3.96
	Compressor	Type	-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
		Piston Displacement	cc/Rev	35.1	43.0	43.0
		Output	kW	-	-	-
		Lubricant	Tupe	-	POE	POE
			Charging cc	1,300	1,300	1,300
	Fan	Type	-	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC
		Output	W	130	130	130
		Airflow Rate	Cooling/Heating m³/min	97/102	97/102	98/103
	Piping Connections	Liquid(Flare)	ø,mm	9.52	9.52	9.52
		Gas(Flare)	ø,mm	15.88	15.88	19.05
		Installation Limitation	Max.Length m	70	70	70
			Max.Height m	30	30	30
	Refrigerant	Type	-	R410A	R410A	R410A
		Factoty Charging	kg	4.0	4.0	4.2
	Sound	Sound Pressure (Cooling/Heating)	dB(A)	52	53	55
		Net Weight	kg	101	108	108
	Set Size	Shipping Weight	kg	107	116	116
		Net Dimensions (WxGxD)	mm	932x1,162x375	932x1,162x375	932x1,162x375
		Shipping Dimensions (WxGxD)	mm	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472
		Operating Temp. Range	Cooling °C	-5~43	-5~43	-5~43
			Heating °C	-20~24	-20~24	-20~24

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DVM Specification - Outdoor Units



DVM Slim

- High Energy Efficiency
- Compact Design
- Easy Maintenance
- High Reliability
- Various Indoor Units
- Wide Compatibility

DVM Slim	Model		RD050SCXGA		RD060SCXGA		RD080SCXGA	
	Horse Power	HP	5		6		8	
Performance	Capacity	Cooling	kW	15.0	16.0		23.0	
			Btu/h	51,200	54,600		78,500	
		Heating	kW	-	-		-	
			Btu/h	-	-		-	
Power	Nominal Running Current	Cooling	kW	8.9	9.8		12.5	
		Heating	kW	11.0	14.0		17.1	
	Nominal Input	Cooling	kW	4.90	5.30		7.10	
		Heating	kW	-	-		-	
	Circuit Breaker	(MCCB/ELB)	A	20	20		30	
Power Supply		øV/Hz	3/380-415/50		3/380-415/50		3/380-415/50	
Mode		-	CO		CO		CO	
COP	Cooling	-	3.06		3.02		3.24	
	Heating	-	-		-		-	
Compressor	Type	-	Digital Scroll		Digital Scroll		Digital Scroll	
	Piston Displacement	cc/Rev	-		-		-	
	Output	kW	1		1		1	
	Lubricant	Tupe	-		-		-	
		Charging	cc	-	-		-	
Fan	Type	-	2 Sirroco Fans		2 Sirroco Fans		2 Sirroco Fans	
	Output	W	-		-		-	
	Airflow Rate	Cooling/Heating	m³/min	100/85	100/85		100/85	
Piping Connections	Liquid(Flare)	ø,mm	9.52		9.52		9.52	
	Gas(Flare)	ø,mm	15.88		15.88		19.05	
	Installation Limitation	Max.Length	m	70	70		100	
		Max.Height	m	30(25)	30(25)		30(25)	
Refrigerant	Type	-	R410A		R410A		R410A	
	Factoty Charging	kg	3.8		4.1		4.3	
Sound	Sound Pressure (Cooling/Heating)	dB(A)	48		48		48	
	Net Weight	kg	160		170		170	
	Shipping Weight	kg	170		180		180	
Set Size	Net Dimensions (WxGxD)	mm	750x1,750x500		750x1,750x500		750x1,750x500	
	Shipping Dimensions (WxGxD)	mm	850x1,900x600		850x1,900x600		850x1,900x600	
Operating Temp. Range	Cooling	°C	-5~43		-5~43		-5~43	
	Heating	°C	-		-		-	

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DVM Specification - Indoor Units



4Way Cassette S

- Filter Cleaning Robot (Optional)
- S-Plasma ion (Optional)
- Motion Detect Sensor (Optional)
- Individual Blade Control



Model				ND0454HXEA	ND0564HXEA	ND0714HXEA	ND0904HXEA	ND1124HXEA	ND1284HXEA	ND1404HXEA
Power Supply				Φ, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Mode				-	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
Performance	Capacity (Nominal)	Cooling	kW	4.5	5.6	7.1	9.0	11.2	12.8	14.0
			Btu/h	15,400	19,100	24,200	30,700	38,200	43,700	47,800
		Heating	kW	5.0	6.3	8.0	10.0	12.5	13.8	16.0
			Btu/h	17,100	21,500	27,300	34,100	42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling	W	40	40	45	50	50	65	80
		Heating	W	40	40	45	50	50	65	80
	Current Input (Nominal)	Cooling	A	0.19	0.19	0.21	0.23	0.23	0.30	0.36
		Heating	A	0.19	0.19	0.21	0.23	0.23	0.30	0.36
Fan	Motor	Type	-	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC
		Output	W	-	-	-	-	-	-	-
	Air Flow Rate	High / Mid / Low	CMM	14.5	15.0	17.0	19.5	26.0	28.0	30.0
		External Static Pressure	mmAq	-	-	-	-	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	9.52	9.52	9.52	9.52	9.52	9.52
		Φ, inch	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas Pipe	Φ, mm	12.7	12.7	15.88	15.88	15.88	15.88	15.88	15.88
		Φ, inch	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
		Transmission Cable	mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
	Refrigerant	Type	-	R410a	R410a	R410a	R410a	R410a	R410a	R410a
		Control Method	-	EEV	EEV	EEV	EEV	EEV	EEV	EEV
Sound	Sound Pressure	High / Low	dBA	34/29	34/30	36/30	39/32	39/32	41/35	45/38
		Net Weight	kg	15.1	15.1	15.1	15.1	17	18.7	18.7
	Shipping Weight	kg	19.1	19.1	19.1	19.1	19.1	20.5	22.8	22.8
		Net Dimensions (WxHxD)	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
Dimensions	Shipping Dimensions (WxHxD)	mm	910 x 226 x 910	910 x 226 x 910	910 x 226 x 910	910 x 226 x 910	910 x 226 x 910	910 x 268 x 910	910 x 310 x 910	910 x 310 x 910
		Panel Model	-	PC4NUSKA	PC4NUSKA	PC4NUSKA	PC4NUSKA	PC4NUSKA	PC4NUSKA	PC4NUSKA
	Panel Net Weight	kg	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
		Shipping Weight	kg	8.9	8.9	8.9	8.9	8.9	8.9	8.9
Panel Size	Net Dimensions (WxHxD)	mm	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950
		Shipping Dimensions (WxHxD)	mm	1042 x 93 x 1042	1042 x 93 x 1042	1042 x 93 x 1042	1042 x 93 x 1042	1042 x 93 x 1042	1042 x 93 x 1042	1042 x 93 x 1042
	Additional Accessories	Drain Pump	mm / liter/h	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in
		Max. Lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
Air Filter	Long life filter	mm / liter/h	-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter
		mm / liter/h	-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter
	Long life filter	mm / liter/h	-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter
		mm / liter/h	-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

Panel



PC4NUSKA



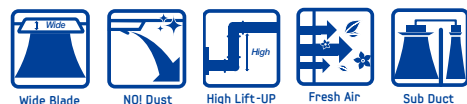
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DVM Specification - Indoor Units



4Way Cassette

- Filter Cleaning Robot (Optional)
- S-Plasma ion (Optional)
- Motion Detect Sensor (Optional)
- Individual Blade Control



Model				AVXC4H045EE	AVXC4H056EE	AVXC4H071EE	AVXC4H090EE	AVXC4H112EE	AVXC4H128EE	AVXC4H140EE
Power Supply				Φ, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Mode				-	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
Performance	Capacity (Nominal)	Cooling	kW	4.5	5.6	7.1	9.0	11.2	12.8	14.0
			Btu/h	15,300	19,100	24,200	30,700	38,200	43,600	47,700
		Heating	kW	5.0	6.3	8.0	10.0	12.5	13.8	16.0
			Btu/h	17,000	21,400	27,200	34,100	42,600	47,000	54,500
Power	Power Input (Nominal)	Cooling	W	40	40	45	50	50	65	80
		Heating	W	40	40	45	50	50	65	80
	Current Input (Nominal)	Cooling	A	0.19	0.19	0.21	0.23	0.23	0.30	0.36
		Heating	A	0.19	0.19	0.21	0.23	0.23	0.30	0.36
Fan	Motor	Type	-	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC
		Output	W	-	-	-	-	-	-	-
	Air Flow Rate	High / Mid / Low	CMM	14.5	14.5	17.0	19.5	23.0	25.0	26.5
		External Static Pressure	mmAq	-	-	-	-	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	9.52	9.52	9.52	9.52	9.52	9.52
			1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas Pipe	Φ, mm	12.70	12.70	15.88	15.88	15.88	15.88	15.88	15.88
			1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
			0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
	Transmission Cable	mm ²	-	R410a	R410a	R410a	R410a	R410a	R410a	R410a
			-	EEV	EEV	EEV	EEV	EEV	EEV	EEV
Sound	Sound Pressure	High / Low	dBA	34/29	34/29	36/30	39/32	40/33	41/35	45/38
			kg	25.0	25.0	25.0	25.0	29.0	29.0	29.0
	Shipping Weight	kg	31.0	31.0	31.0	31.0	35.0	35.0	35.0	35.0
			mm	840 x 218 x 840	840 x 218 x 840	840 x 218 x 840	840 x 218 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Dimensions	Net Dimensions (WxHxD)	mm	926 x 280 x 926	926 x 280 x 926	926 x 280 x 926	926 x 280 x 926	926 x 360 x 926	926 x 360 x 926	926 x 360 x 926	926 x 360 x 926
			mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950
	Shipping Dimensions (WxHxD)	mm	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042
			mm	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042
Panel Size	Panel Model	kg	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
			kg	10.3	10.3	10.3	10.3	10.3	10.3	10.3
	Net Dimensions (WxHxD)	mm	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950	950 x 30 x 950
			mm	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042	1,042 x 103 x 1,042
Additional Accessories	Drain Pump	Max. Lifting Height / Displacement	mm / liter/h	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in
			mm / liter/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
Air Filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter
			Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter

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Optional Accessories

■ Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00U

■ Panel



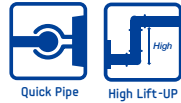
PC095MCS / PC095MC1S
PC095MC2S / PC095MC3S

DVM Specification - Indoor Units



Mini 4Way Cassette

- Ideal Compact Size
- Fan Speed Adjustment



Model				AVXCMH028EE	AVXCMH036EE	AVXCMH056EE	AVXCMH060EE
Power Supply			Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode			-	HP / HR	HP / HR	HP / HR	HP / HR
Performance	Capacity (Nominal)	Cooling	kW	2.8	3.6	5.6	6.0
			Btu/h	9,600	12,300	19,100	20,500
		Heating	kW	3.2	4.0	6.3	6.8
			Btu/h	10,900	13,600	21,500	23,200
Power	Power Input (Nominal)	Cooling	W	90	90	95	100
		Heating		90	90	95	100
	Current Input (Nominal)	Cooling	A	0.50	0.50	0.52	0.55
		Heating		0.50	0.50	0.52	0.55
Fan	Motor	Type	-	Turbo Fan / SSR	Turbo Fan / SSR	Turbo Fan / SSR	Turbo Fan / SSR
		Output	W	80	80	80	80
	Air Flow Rate	High / Mid / Low	CMM	10.1 / 9.1 / 8.1	10.3 / 9.3 / 8.3	13 / 12 / 11	13.5 / 12.5 / 11.5
	External Static Pressure	Min. / Std. / Max.	mmAq	-	-	-	-
Pa			-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	
		Φ, inch	1/4	1/4	1/4	1/4	
	Gas Pipe	Φ, mm	12.7	12.7	12.7	12.7	
		Φ, inch	1/2	1/2	1/2	1/2	
Field Wiring	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
		Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
		Type	-	R410a	R410a	R410a	R410a
Refrigerant	Control Method	-	EEV	EEV	EEV	EEV	
	Sound Pressure	High / Low	dBA	30 / 25	34 / 27	41 / 33	41 / 33
Dimensions	Net Weight		kg	17	17	17	17
	Shipping Weight		kg	20	20	20	20
	Net Dimensions (WxHxD)		mm	575 x 260 x 575	575 x 260 x 575	575 x 260 x 575	575 x 260 x 575
	Shipping Dimensions (WxHxD)		mm	660 x 310 x 635	660 x 310 x 635	660 x 310 x 635	660 x 310 x 635
Panel Size	Panel Model		-	PMSMA	PMSMA	PMSMA	PMSMA
	Panel Net Weight		kg	3.5	3.5	3.5	3.5
	Shipping Weight		kg	6.2	6.2	6.2	6.2
	Net Dimensions (WxHxD)		mm	670 x 35 x 670	670 x 35 x 670	670 x 35 x 670	670 x 35 x 670
	Shipping Dimensions (WxHxD)		mm	717 x 93 x 717	717 x 93 x 717	717 x 93 x 717	717 x 93 x 717
Additional Accessories	Drain Pump	Drain Pump	-	Built-in	Built-in	Built-in	Built-in
		Max. Lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		-	Long life filter	Long life filter	Long life filter	Long life filter

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00

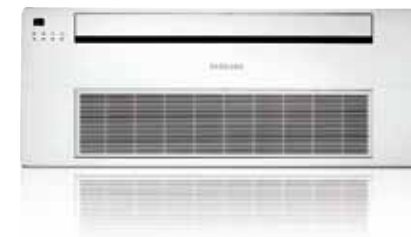


MR-DH00

Panel



PMSMA



Slim 1Way Cassette

- Slim and Compact Design
- Quiet Operation
- No Overflowing Drain Water



Model				AVXCSH022EE	AVXCSH028EE	AVXCSH036EE
Power Supply		Φ, #, V, Hz		1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode				HP / HR	HP / HR	HP / HR
	Capacity (Nominal)	Cooling	kW	2.2	2.8	3.6
			Btu/h	7,500	9,600	12,300
		Heating	kW	2.5	3.2	4.0
			Btu/h	8,500	10,900	13,600
Power	Power Input (Nominal)	Cooling	W	40	45	50
		Heating		40	45	50
	Current Input (Nominal)	Cooling	A	0.20	0.23	0.25
		Heating		0.20	0.23	0.25
Fan	Motor	Type	-	Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR
		Output	W	23	23	23
	Air Flow Rate	High / Mid / Low	CMM	6 / 5 / 4	7 / 6 / 5	8 / 7 / 6
		External Static Pressure	Min. / Std. / Max.	mmAq	-	-
				Pa	-	-
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	
		Φ, inch	1/4	1/4	1/4	
	Gas Pipe	Φ, mm	12.7	12.7	12.7	
		Φ, inch	1/2	1/2	1/2	
	Drain Pipe	Φ, mm	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	
		Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
		Refrigerant	Type	-	R410a	R410a
Control Method			-	EEV	EEV	EEV
Sound	Sound Pressure	High / Low	dBA	30 / 25	30 / 25	32 / 27
Dimensions	Net Weight		kg	11	11	11
	Shipping Weight		kg	14	14	14
	Net Dimensions (WxHxD)		mm	970 x 135 x 410	970 x 135 x 410	970 x 135 x 410
	Shipping Dimensions (WxHxD)		mm	1164 x 212 x 478	1164 x 212 x 478	1164 x 212 x 478
Panel Size	Panel Model		-	PSSMA	PSSMA	PSSMA
	Panel Net Weight		kg	3.0	3.0	3.0
	Shipping Weight		kg	5.0	5.0	5.0
	Net Dimensions (WxHxD)		mm	1180 x 25 x 460	1180 x 25 x 460	1180 x 25 x 460
	Shipping Dimensions (WxHxD)		mm	1259 x 144 x 539	1259 x 144 x 539	1259 x 144 x 539
Additional Accessories	Drain Pump	Drain Pump	-	Built-in	Built-in	Built-in
		Max. Lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24
	Air Filter		-	Long life filter	Long life filter	Long life filter

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

Panel



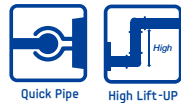
PSSMA

DVM Specification - Indoor Units



2Way Cassette

- Standard Formula for Easy Installation
- Twin Cross Flow Fan
- Small Size, Big Performance



Model		AVXC2H056EE		AVXC2H071EE	
Power Supply		Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	
Mode		-	HP / HR	HP / HR	
	Capacity (Nominal)	Cooling	kW	5.6	7.1
			Btu/h	19,100	24,200
	Heating		kW	6.3	8.0
			Btu/h	21,500	27,300
Power	Power Input (Nominal)	Cooling	W	70	75
		Heating		70	75
	Current Input (Nominal)	Cooling	A	0.38	0.40
		Heating		0.38	0.40
Fan	Motor	Type	-	Crossflow Fan / SSR	Crossflow Fan / SSR
		Output	W	14	14
	Air Flow Rate	High / Mid / Low	CMM	14 / 13 / 12	15 / 14 / 13
		External Static Pressure	mmAq	-	-
Piping Connections	Liquid Pipe		Φ, mm	6.35	9.52
			Φ, inch	1/4	3/8
	Gas Pipe		Φ, mm	12.7	15.88
			Φ, inch	1/2	5/8
Field Wiring	Drain Pipe		Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 26)
			mm ²	1.5 / 2.5	1.5 / 2.5
	Power Source Wire		mm ²	0.75 / 1.5	0.75 / 1.5
			mm ²	0.75 / 1.5	0.75 / 1.5
Refrigerant	Type	-	-	R410a	R410a
	Control Method	-	-	EEV	EEV
Sound	Sound Pressure	High / Low	dBA	36 / 28	38 / 28
			kg	21	21
	Shipping Weight		kg	25	25
			mm	890 x 230 x 575	890 x 230 x 575
Dimensions	Net Dimensions (WxHxD)		mm	1077 x 299 x 642	1077 x 299 x 642
			mm	1077 x 299 x 642	1077 x 299 x 642
	Shipping Dimensions (WxHxD)		mm	1077 x 299 x 642	1077 x 299 x 642
			mm	1077 x 299 x 642	1077 x 299 x 642
Panel Size	Panel Model		-	P2SMA	P2SMA
			kg	4.0	4.0
	Shipping Weight		kg	8.0	8.0
			mm	1030 x 25 x 650	1030 x 25 x 650
Additional Accessories	Net Dimensions (WxHxD)		mm	1103 x 151 x 727	1103 x 151 x 727
			mm	1103 x 151 x 727	1103 x 151 x 727
	Shipping Dimensions (WxHxD)		mm	1103 x 151 x 727	1103 x 151 x 727
			mm	1103 x 151 x 727	1103 x 151 x 727
Additional Accessories	Drain Pump		-	Built-in	Built-in
		Max. Lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24
Additional Accessories	Air Filter		-	Long life filter	Long life filter
			-	Long life filter	Long life filter

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

Panel

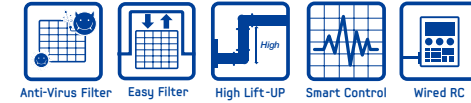


P2SMA



Slim Duct

- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain



Model		ND022LHXEA		ND028LHXEA		ND036LHXEA	
Power Supply		Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode		-	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
	Capacity (Nominal)	Cooling	kW	2.2	2.8	3.6	
			Btu/h	7,500	9,600	12,300	
	Heating		kW	2.5	3.2	4.0	
			Btu/h	8,500	10,900	13,600	
Power	Power Input (Nominal)	Cooling	W	80	80	80	
		Heating		80	80	80	
	Current Input (Nominal)	Cooling	A	0.40	0.40	0.40	
		Heating		0.40	0.40	0.40	
Fan	Motor	Type	-	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR	
		Output	W	-	-	-	
	Air Flow Rate	High / Mid / Low	CMM	8 / 7 / 6	9 / 8 / 7	10 / 8.5 / 7	
		External Static Pressure	mmAq	0 / 2 / 4	0 / 2 / 4	0 / 2 / 4	
Piping Connections	Liquid Pipe		Φ, mm	6.35	6.35	6.35	
			Φ, inch	1/4	1/4	1/4	
	Gas Pipe		Φ, mm	12.7	12.7	12.7	
			Φ, inch	1/2	1/2	1/2	
Field Wiring	Drain Pipe		Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
			mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	
	Power Source Wire		mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	
			mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	
Refrigerant	Type	-	-	R410a	R410a	R410a	
	Control Method	-	-	EEV	EEV	EEV	
Sound	Sound Pressure	High / Low	dBA	31 / 26	32 / 27	32 / 27	
			kg	26	26	26	
	Shipping Weight		kg	31	31	31	
			mm	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	
Dimensions	Net Dimensions (WxHxD)		mm	1133 x 330 x 730	1133 x 330 x 730	1133 x 330 x 730	
			mm	1133 x 330 x 730	1133 x 330 x 730	1133 x 330 x 730	
	Shipping Dimensions (WxHxD)		mm	1133 x 330 x 730	1133 x 330 x 730	1133 x 330 x 730	
			mm	1133 x 330 x 730	1133 x 330 x 730	1133 x 330 x 730	
Panel Size	Panel Model		-	-	-	-	
			kg	-	-	-	
	Shipping Weight		kg	-	-	-	
			mm	-	-	-	
Additional Accessories	Net Dimensions (WxHxD)		mm	-	-	-	
			mm	-	-	-	
	Shipping Dimensions (WxHxD)		mm	-	-	-	
			mm	-	-	-	
Additional Accessories	Drain Pump		-	Optional / MDP-E075SEE3	Optional / MDP-E075SEE3	Optional / MDP-E075SEE3	
		Max. Lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	
Additional Accessories	Air Filter		-	Long life filter	Long life filter	Long life filter	
			-	Long life filter	Long life filter	Long life filter	

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00



MRK-A00



MRW-10A

Drain Pump



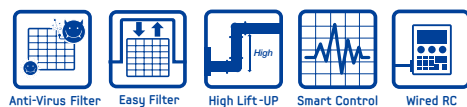
MDP-E075SEE3

DVM Specification - Indoor Units



Slim Duct

- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain



Model				ND045LHXEA	ND056LHXEA	ND071LHXEA	ND090LHXEA	ND112LHXEA	ND128LHXEA	ND140LHXEA
Power Supply			Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode			-	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
	Capacity (Nominal)	Cooling	kW	4.5	5.6	7.1	9.0	11.2	12.8	14.0
			Btu/h	15,400	19,100	24,200	30,700	38,200	43,700	47,800
		Heating	kW	5.0	6.3	8.0	10.0	12.5	13.8	16.0
			Btu/h	17,100	21,500	27,300	34,100	42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling	W	90	100	120	170	200	220	220
		Heating	W	90	100	120	170	170	200	220
	Current Input (Nominal)	Cooling	A	0.60	0.60	0.60	0.96	0.96	1.13	1.24
		Heating	A	0.60	0.60	0.60	0.96	0.96	1.13	1.24
Fan	Motor	Type	-	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / BLDC	Sirocco Fan / BLDC	Sirocco Fan / BLDC	Sirocco Fan / BLDC
		Output	W	-	-	-	-	-	-	-
	Air Flow Rate	High / Mid / Low	CMM	14.5 / 13.0 / 11.5	15.5 / 14.0 / 12.5	16.5 / 15.0 / 13.5	29.0 / 27.0 / 25.0	31.2 / 29.0 / 27.0	34.0 / 32.0 / 30.0	36.0 / 34.0 / 32.0
		mmAq	0 / 2 / 4	0 / 2 / 4	0 / 2 / 4	0 / 2 / 4	0 / 2 / 4	0 / 2 / 4	0 / 2 / 4	
Piping Connections	External Static Pressure	Min. / Std. / Max.	Pa	0 / 19.6 / 39.2	0 / 19.6 / 39.2	0 / 19.6 / 39.2	0 / 19.6 / 39.2	0 / 19.6 / 39.2	0 / 19.6 / 39.2	0 / 19.6 / 39.2
		Liquid Pipe	Φ, mm	6.35	6.35	9.52	9.52	9.52	9.52	9.52
	Gas Pipe	Φ, inch	1/4	1/4	3/8	3/8	3/8	3/8	3/8	
		Φ, mm	12.7	12.7	15.88	15.88	15.88	15.88	15.88	
Field Wiring	Drain Pipe	Φ, inch	1/2	1/2	5/8	5/8	5/8	5/8	5/8	
		Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
	Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	
		Transmission Cable	mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
Refrigerant	Type	-	R410a	R410a	R410a	R410a	R410a	R410a	R410a	
	Control Method	-	EEV	EEV	EEV	EEV	EEV	EEV	EEV	
Sound	Sound Pressure	High / Low	dBA	33 / 30	33 / 30	36 / 32	40 / 36	40 / 36	41 / 38	41 / 38
Dimensions	Net Weight	kg	31	31	31	43	43	46	46	
	Shipping Weight	kg	39	39	39	52	52	55	55	
	Net Dimensions (WxHxD)	mm	1100 x 199 x 600	1100 x 199 x 600	1100 x 199 x 600	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690	
	Shipping Dimensions (WxHxD)	mm	1330 x 330 x 730	1330 x 330 x 730	1330 x 330 x 730	1600 x 444 x 831	1600 x 444 x 831	1600 x 444 x 831	1600 x 444 x 831	
Panel Size	Panel Model	-	-	-	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	-	-	-	-	
	Shipping Dimensions (WxHxD)	mm	-	-	-	-	-	-	-	
Additional Accessories	Drain Pump	Drain Pump	-	Optional / MDP-E075SEE3	Optional / MDP-E075SEE3	Optional / MDP-E075SEE3	Optional / MDP-E075SEE3	Optional / MDP-E075SEE3	Optional / MDP-E075SEE3	Optional / MDP-E075SEE3
	Air Filter	Max. Lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
			-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00



MRK-A00



MRW-10A

Drain Pump



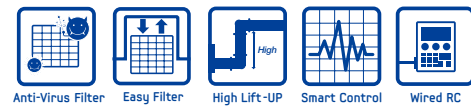
MDP-E075SEE3

DVM Specification - Indoor Units



MSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



Model				AVXDUH056EE	AVXDUH071EE	AVXDUH090EE	AVXDUH112EE	AVXDUH128EE	AVXDUH140EE
Power Supply		Φ, #, V, Hz		1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode		-		HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
	Capacity (Nominal)	Cooling	kW	5.6	7.1	9.0	11.2	12.8	14.0
			Btu/h	19,100	24,200	30,700	38,200	43,700	47,800
		Heating	kW	6.3	8.0	10.0	12.5	13.8	16.0
			Btu/h	21,500	27,300	34,100	42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling	W	130	190	240	260	370	410
		Heating	W	130	190	240	260	370	410
	Current Input (Nominal)	Cooling	A	1.10	1.25	1.30	1.17	1.67	1.86
		Heating	A	1.10	1.25	1.30	1.17	1.67	1.86
Fan	Motor	Type	-	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR
		Output	W	124	124	130	130	218	218
	Air Flow Rate	High / Mid / Low	CMM	14.5 / 13.0 / 11.5	18.5 / 17.0 / 15.5	19.5 / 18.0 / 16.5	27.0 / 25.0 / 23.0	32.0 / 30.0 / 28.0	37.0 / 34.0 / 31.0
		External Static Pressure	Min. / Std. / Max.	mmAq	0 / 4 / 8	0 / 4 / 8	4 / 6 / 8	6 / 8 / 12	6 / 8 / 14
Piping Connections	Liquid Pipe		Pa	0 / 39.2 / 78.5	0 / 39.2 / 78.5	39.2 / 58.8 / 78.5	58.8 / 78.5 / 117.7	58.8 / 78.5 / 137.7	58.8 / 78.5 / 137.7
		Φ, mm	6.35	9.52	9.52	9.52	9.52	9.52	
	Gas Pipe	Φ, inch	1/4	3/8	3/8	3/8	3/8	3/8	
		Φ, mm	12.7	15.88	15.88	15.88	15.88	15.88	
	Drain Pipe	Φ, inch	1/2	5/8	5/8	5/8	5/8	5/8	
		Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Field Wiring	Power Source Wire	mm²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	
	Transmission Cable	mm²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	VCTF 0.75 / VCTF 1.5	
Refrigerant	Type	-	R410a	R410a	R410a	R410a	R410a	R410a	
	Control Method	-	EEV	EEV	EEV	EEV	EEV	EEV	
Sound	Sound Pressure	High / Low	dBA	37 / 33	39 / 35	39 / 35	39 / 35	39 / 35	43 / 38
Dimensions	Net Weight		kg	31	31	35	39	52	52
	Shipping Weight		kg	36	36	41	46	60	60
	Net Dimensions (WxHxD)		mm	900 x 260 x 480	900 x 260 x 480	1150 x 260 x 480	1150 x 320 x 480	1200 x 360 x 650	1200 x 360 x 650
	Shipping Dimensions (WxHxD)		mm	1146 x 345 x 584	1146 x 345 x 584	1390 x 345 x 584	1390 x 420 x 584	1447 x 425 x 769	1447 x 425 x 769
Panel Size	Panel Model		-	-	-	-	-	-	-
	Panel Net Weight		kg	-	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-	-	-	-
	Shipping Dimensions (WxHxD)		mm	-	-	-	-	-	-
Additional Accessories	Drain Pump	Drain Pump	-	Optional / MDP-E075SGU3	Optional / MDP-E075SGU3	Optional / MDP-E075SGU1	Optional / MDP-E075SGU1	Optional / MDP-M075SGU2	Optional / MDP-M075SGU2
	Max. Lifting Height / Displacement	mm / liter/h		750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00



MRK-A00



MRW-10A

Drain Pump



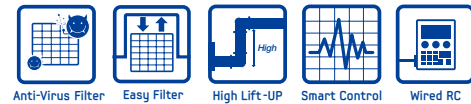
MDP-M075SGU1
MDP-M075SGU2
MDP-M075SGU3

DVM Specification - Indoor Units



HSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



Model				ND112HHXEA	ND128HHXEA	ND140HHXEA	ND200HHXEA	ND224HHXEA	ND280HHXEA
Power Supply				Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode				-	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
Capacity (Nominal)	Cooling	kW	Btu/h		11.2	12.8	14.0	20.0	22.4
					38,200	43,700	47,000	-	-
	Heating	kW	Btu/h		12.5	13.8	16.8	22.4	25.0
					42,700	47,100	54,600	-	-
	Power Input (Nominal)	W			420	480	610	400	530
					420	480	610	400	530
Power	Current Input (Nominal)	A			2.5	2.5	3.2	-	-
					2.5	2.5	3.2	-	-
Fan	Motor	Type	W		Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR
					400	400	500	-	-
	Air Flow Rate	High / Mid / Low	CMM		31.0 / 27.0 / 23.0	35.0 / 31.0 / 28.0	39.0 / 35.0 / 31.0	52.0	58.0
					5.0 / 10.0 / 20.0	5.0 / 10.0 / 20.0	5.0 / 10.0 / 20.0	- / 15.0 / 25.0	- / 15.0 / 25.0
Piping Connections	Liquid Pipe	Φ, mm			9.52	9.52	9.52	9.52	9.52
					3/8	3/8	3/8	-	-
	Gas Pipe	Φ, mm			15.88	15.88	15.88	19.1	19.1
					5/8	5/8	5/8	-	-
Field Wiring	Power Source Wire	mm ²			VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
					1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	-	-
	Transmission Cable	mm ²			0.75 / 1.5	VCTF 0.75 / VCTF 1.5	VCTF 0.75 / VCTF 1.5	VCTF 0.75 / VCTF 1.5	VCTF 0.75 / VCTF 1.5
					0.75 / 1.5	VCTF 0.75 / VCTF 1.5	VCTF 0.75 / VCTF 1.5	VCTF 0.75 / VCTF 1.5	VCTF 0.75 / VCTF 1.5
Refrigerant	Type	Control Method			R410a	R410a	R410a	R410a	R410a
					EEV	EEV	EEV	EEV	EEV
Sound	Sound Pressure	High / Low	dBA		43 / 39	44 / 40	45 / 41	46	47
					70	70	70	93	95
	Net Weight	kg			75	75	75	103	105
					1200 x 360 x 650	1200 x 360 x 650	1200 x 360 x 650	1240 x 470 x 1040	1240 x 470 x 1040
Dimensions	Shipping Dimensions (WxHxD)	mm			1147 x 425 x 769	1147 x 425 x 769	1147 x 425 x 769	1507 x 558 x 1155	1507 x 558 x 1155
					-	-	-	-	-
	Panel Model	kg			-	-	-	-	-
					-	-	-	-	-
Panel Size	Shipping Weight	kg			-	-	-	-	-
					-	-	-	-	-
	Net Dimensions (WxHxD)	mm			-	-	-	-	-
					-	-	-	-	-
Additional Accessories	Drain Pump	Max. Lifting Height / Displacement	mm / liter/h		Optional / MDP-M075SGU2	Optional / MDP-M075SGU2	Optional / MDP-M075SGU2	Optional / MDP-M075SGU2	Optional / MDP-M075SGU2
					750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
Air Filter					-	-	-	-	-
					-	-	-	-	-

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00



MRK-A00



MRW-10A

Drain Pump



MDP-M075SGU1
MDP-M075SGU2
MDP-M075SGU3

DVM Specification - Indoor Units



Neo Forte

- Clean-cut Front Pane
- Silver Accent Line
- Bottom Opening Front Pane



Deodorizing
Filter

Model				AVXWNH022EE	AVXWNH028EE	AVXWNH036EE	AVXWNH056EE	AVXWNH071EE
Power Supply		Φ, #, V, Hz		1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode		-		HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
Capacity (Nominal)	Cooling	kW		2.2	2.8	3.6	5.6	6.8
		Btu/h		7,500	9,600	12,300	19,100	23,200
	Heating	kW		2.5	3.2	4.0	6.3	7.0
		Btu/h		8,500	10,900	13,600	21,500	23,900
	Power Input (Nominal)	W		25	25	30	45	50
		W		25	25	30	45	50
Current Input (Nominal)	Cooling	A		0.13	0.18	0.19	0.30	0.30
	Heating	A		0.13	0.18	0.19	0.30	0.30
Motor	Type	-		Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR
	Output	W		23	23	23	40	40
	Air Flow Rate	High / Mid / Low		CMM	7.8 / 6.8 / 5.8	8.2 / 7.2 / 6.2	9.3 / 8.3 / 7.3	12.0 / 10.5 / 9.0
	External Static Pressure	Min. / Std. / Max.		mmAq	-	-	-	-
Piping Connections	Liquid Pipe	Φ, mm		6.35	6.35	6.35	6.35	9.52
		Φ, inch		1/4	1/4	1/4	1/4	3/8
	Gas Pipe	Φ, mm		12.7	12.7	12.7	12.7	15.88
		Φ, inch		1/2	1/2	1/2	1/2	5/8
Field Wiring	Drain Pipe	Φ, mm		VP18 (OD, ID)	VP18 (OD, ID)	VP18 (OD, ID)	VP18 (OD, ID)	VP18 (OD, ID)
	Power Source Wire	mm ²		1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable	mm ²		0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
Refrigerant	Type	-		R410a	R410a	R410a	R410a	R410a
	Control Method	-		EEV (External)	EEV (External)	EEV (External)	EEV (External)	EEV (External)
Sound	Sound Pressure	High / Low		dBA	32 / 23	32 / 23	36 / 23	40 / 30
	Net Weight	kg		8	8	8	13	13
	Shipping Weight	kg		9	9	9	15	15
Dimensions	Net Dimensions (WxHxD)	mm		825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1065 x 298 x 218	1065 x 298 x 218
	Shipping Dimensions (WxHxD)	mm		900 x 349 x 252	900 x 349 x 252	900 x 349 x 252	1137 x 377 x 299	1137 x 377 x 299
Panel Size	Panel Model	-		-	-	-	-	-
	Panel Net Weight	kg		-	-	-	-	-
	Shipping Weight	kg		-	-	-	-	-
	Net Dimensions (WxHxD)	mm		-	-	-	-	-
	Shipping Dimensions (WxHxD)	mm		-	-	-	-	-
Additional Accessories	Drain Pump	Drain Pump		-	-	-	-	-
	Max. Lifting Height / Displacement	mm / liter/h		-	-	-	-	-
	Air Filter	-		Long life filter	Long life filter	Long life filter	Long life filter	Long life filter

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Optional Accessories

- Individual Controllers



MWR-WH01



MWR-WH00



MWR-SH00



MR-DH00

Standard Accessories

- Individual Controllers



DVM Specification - Indoor Units



Neo Forte - E

- Clean-cut Front Pane
- Silver Accent Line
- Bottom Opening Front Pane
- Internal EEV



Deodorizing Filter

Model				ND022QHxEA		ND028QHxEA		ND036QHxEA		ND045QHxEA		ND056QHxEA		ND071QHxEA		
Power Supply				Φ, #, V, Hz	1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50	
Mode				-	HP / HR		HP / HR		HP / HR		HP / HR		HP / HR		HP / HR	
	Capacity (Nominal)	Cooling	kW	2.2		2.8		3.6		4.5		5.6		6.8		
			Btu/h	7,500		9,600		12,300		15,300		19,100		23,200		
		Heating	kW	2.5		3.2		4.0		5.0		6.3		7.0		
			Btu/h	8,500		10,900		13,600		17,000		21,500		23,900		
Power	Power Input (Nominal)	Cooling	W	25		25		30		40		45		50		
		Heating		25		25		30		40		45		50		
	Current Input (Nominal)	Cooling	A	0.16		0.16		0.18		-		0.27		0.30		
		Heating		0.16		0.16		0.18		-		0.27		0.30		
Fan	Motor	Type	-	Crossflow Fan / SSR		Crossflow Fan / SSR		Crossflow Fan / SSR		Crossflow Fan / SSR		Crossflow Fan / SSR		Crossflow Fan / SSR		
		Output	W	23		23		23		40		40		40		
	Air Flow Rate	High / Mid / Low	CMM	7.8 / 6.8 / 5.8		8.2 / 7.2 / 6.2		9.3 / 8.3 / 7.3		11.7 / 10.2 / 8.7		12.0 / 10.5 / 9.0		14.0 / 12.5 / 11.0		
		External Static Pressure	Min. / Std. / Max.	mmAq	-		-		-		-		-		-	
			Pa	-		-		-		-		-		-		
			Liquid Pipe	Φ, mm	6.35		6.35		6.35		6.35		6.35		9.52	
				Φ, inch	1/4		1/4		1/4		1/4		1/4		3/8	
			Gas Pipe	Φ, mm	12.7		12.7		12.7		12.7		12.7		15.88	
Φ, inch	1/2			1/2		1/2		1/2		1/2		5/8				
	Drain Pipe	Φ, mm	VP18 (OD ,ID)		VP18 (OD ,ID)		VP18 (OD ,ID)		VP18 (OD ,ID)		VP18 (OD ,ID)		VP18 (OD ,ID)			
Field Wiring	Power Source Wire		mm ²	1.5 / 2.5		1.5 / 2.5		1.5 / 2.5		1.5 / 2.5		1.5 / 2.5		1.5 / 2.5		
	Transmission Cable		mm ²	0.75 / 1.5		0.75 / 1.5		0.75 / 1.5		0.75 / 1.5		0.75 / 1.5		0.75 / 1.5		
Refrigerant	Type		-	R410a		R410a		R410a		R410a		R410a		R410a		
	Control Method		-	EEV		EEV		EEV		EEV		EEV		EEV		
Sound	Sound Pressure	High / Low	dBA	35 / 26		35 / 26		39 / 26		39 / 33		42 / 33		44 / 33		
Dimensions	Net Weight		kg	8		8		8		13		13		13		
	Shipping Weight		kg	9		9		9		16		16		16		
	Net Dimensions (WxHxD)		mm	825 x 285 x 189		825 x 285 x 189		825 x 285 x 189		1065 x 298 x 218		1065 x 298 x 218		1065 x 298 x 218		
	Shipping Dimensions (WxHxD)		mm	900 x 349 x 252		900 x 349 x 252		900 x 349 x 252		1137 x 377 x 299		1137 x 377 x 299		1137 x 377 x 299		
Panel Size	Panel Model		-	-		-		-		-		-		-		
	Panel Net Weight		kg	-		-		-		-		-		-		
	Shipping Weight		kg	-		-		-		-		-		-		
	Net Dimensions (WxHxD)		mm	-		-		-		-		-		-		
	Shipping Dimensions (WxHxD)		mm	-		-		-		-		-		-		
Additional Accessories	Drain Pump	Drain Pump		-	-		-		-		-		-		-	
		Max. Lifting Height / Displacement	mm / liter/h	-	-		-		-		-		-		-	
	Air Filter		-	Long life filter		Long life filter		Long life filter		Long life filter		Long life filter		Long life filter		

* Exception of Australia, Indonesia

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Optional Accessories

Individual Controllers



MWR-WH01



MWR-WH02



MWR-SH00



MR-DH00

Standard Accessories

Individual Controllers

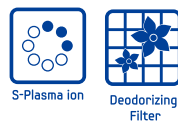


DVM Specification - Indoor Units



Vivace

- Shadow Mirror
- Hidden Display
- Trim-less Design



Model				AVXWVH022EE	AVXWVH028EE	AVXWVH036EE	AVXWVH056EE	AVXWVH071EE
Power Supply				Φ, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode				-	HP / HR	HP / HR	HP / HR	HP / HR
	Capacity (Nominal)	Cooling	kW	2.2	2.8	3.6	5.6	6.8
			Btu/h	7,500	9,600	12,300	19,100	23,200
		Heating	kW	2.5	3.2	4.0	6.3	7.0
			Btu/h	8,500	10,900	13,600	21,500	23,900
Power	Power Input (Nominal)	Cooling	W	30	30	35	50	50
		Heating	W	30	30	35	50	50
	Current Input (Nominal)	Cooling	A	0.13	0.18	0.19	0.30	0.30
		Heating	A	0.13	0.18	0.19	0.30	0.30
Fan	Motor	Type	-	Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR
		Output	W	23	23	23	42	42
	Air Flow Rate	High / Mid / Low	CMM	7.0 / 6.0 / 5.0	7.5 / 6.5 / 5.5	8.2 / 7.2 / 6.2	14.0 / 12.0 / 10.0	15.0 / 13.0 / 11.0
		External Static Pressure	mmAq	-	-	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	9.52
		Φ, inch	1/4	1/4	1/4	1/4	1/4	3/8
	Gas Pipe	Φ, mm	12.7	12.7	12.7	12.7	12.7	15.88
		Φ, inch	1/2	1/2	1/2	1/2	1/2	5/8
Field Wiring	Power Source Wire	Φ, mm	VP18 (OD ,ID)	VP18 (OD ,ID)	VP18 (OD ,ID)	VP18 (OD ,ID)	VP18 (OD ,ID)	VP18 (OD ,ID)
		mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable	mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
		Type	-	R410a	R410a	R410a	R410a	R410a
Refrigerant	Control Method	-	-	EEV (External)	EEV (External)	EEV (External)	EEV (External)	EEV (External)
		-	-	EEV (External)	EEV (External)	EEV (External)	EEV (External)	EEV (External)
	Sound Pressure	High / Low	dBA	31 / 21	31 / 21	35 / 21	40 / 30	41 / 30
		-	-	-	-	-	-	-
Dimensions	Net Weight	-	kg	9	9	9	12	12
		-	-	-	-	-	-	-
	Shipping Weight	-	kg	12	12	12	15	15
		-	-	-	-	-	-	-
Panel Size	Net Dimensions (WxHxD)	-	mm	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1065 x 298 x 218	1065 x 298 x 218
		-	-	-	-	-	-	-
	Shipping Dimensions (WxHxD)	-	mm	900 x 349 x 252	900 x 349 x 252	900 x 349 x 252	1137 x 377 x 299	1137 x 377 x 299
		-	-	-	-	-	-	-
Additional Accessories	Drain Pump	Drain Pump	-	-	-	-	-	-
		Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	-
	Air Filter	-	-	-	-	-	-	-
		-	-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

Standard Accessories

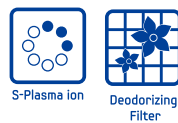
Individual Controllers



DVM Specification - Indoor Units



Montblanc



Model				Indonesia	ND028BHXE/XSE	ND036BHXE/XSE	ND056BHXE/XSE	ND071BHXE/XSE
Power Supply				Φ, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Mode				-	HP / HR	HP / HR	HP / HR	HP / HR
Capacity (Nominal)	Cooling	kW	Btu/h	2.8	9,500	12,200	19,100	23,200
				3.2	10,900	13,600	21,400	23,800
	Heating	kW	Btu/h	3.2	10,900	13,600	21,400	23,800
				3.2	10,900	13,600	21,400	23,800
	Power Input (Nominal)	W	A	30	30	35	50	50
				30	30	35	50	50
Current Input (Nominal)	Cooling	A	A	0.18	0.18	0.19	0.30	0.30
				0.18	0.18	0.19	0.30	0.30
Motor	Type	-	Crossflow Fan / SSR	23	23	40	40	40
				23	23	40	40	40
	Air Flow Rate	CMM	mmAq	9.0 / 9.0	10.0 / 10.0	12.0 / 12.0	13.0 / 13.0	13.0 / 13.0
				-	-	-	-	-
External Static Pressure	Min. / Std. / Max.	Pa	Pa	-	-	-	-	-
				-	-	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	Φ, inch	6.35	6.35	6.35	6.35	6.35
				1/4	1/4	1/4	1/4	1/4
	Gas Pipe	Φ, mm	Φ, inch	12.7	12.7	12.7	12.7	15.88
				1/2	1/2	1/2	1/2	1/2
Drain Pipe	Φ, mm	ID 18 hose	ID 18 hose	15 / 2.5	15 / 2.5	15 / 2.5	15 / 2.5	15 / 2.5
				0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
Field Wiring	Power Source Wire	mm ²	mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
				0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
Refrigerant	Type	-	R410a	R410a	R410a	R410a	R410a	R410a
				EEV	EEV	EEV	EEV	EEV
Sound	Sound Pressure	High / Low	dBA	31 / 20	35 / 21	40 / 30	41 / 30	41 / 30
				10.2	10.2	13.0	13.0	13.0
Dimensions	Net Weight	kg	kg	11.5	11.5	16.0	16.0	16.0
				11.5	11.5	16.0	16.0	16.0
	Net Dimensions (WxHxD)	mm	mm	900 x 304 x 185	900 x 304 x 185	1,100 x 307 x 225	1,100 x 307 x 225	1,100 x 307 x 225
				963 x 349 x 247	963 x 349 x 247	1,157 x 381 x 292	1,157 x 381 x 292	1,157 x 381 x 292
Panel Size	Panel Model	-	kg	-	-	-	-	-
				-	-	-	-	-
	Shipping Weight	kg	kg	-	-	-	-	-
				-	-	-	-	-
Additional Accessories	Drain Pump	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	-
				-	-	-	-	-
Air Filter	-	-	-	-	Long life filter	Long life filter	Long life filter	Long life filter
				-	Long life filter	Long life filter	Long life filter	Long life filter

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Optional Accessories

Individual Controllers



MWR-WH00



MWR-WH00



MWR-SH00



MR-DH00

Standard Accessories

Individual Controllers

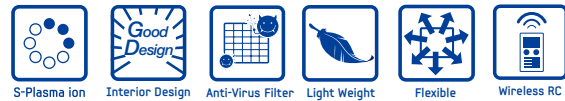


DVM Specification - Indoor Units



Console

- Slim & Smart Design
- 2Way Air Outlet
- Silent Operation



Model				AVXTJH028EE	AVXTJH036EE	AVXTJH056EE
Power Supply		Φ, #, V, Hz	-	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode		-	-	HP / HR	HP / HR	HP / HR
Capacity (Nominal)	Cooling	kW	-	2.8	3.6	5.6
		Btu/h	-	9,600	12,300	19,100
	Heating	kW	-	3.2	4.0	6.3
		Btu/h	-	10,900	13,600	21,500
	Power Input (Nominal)	W	-	30	35	62
		W	-	30	35	62
Power	Current Input (Nominal)	Cooling	A	0.25	0.29	0.49
		Heating	A	0.25	0.29	0.49
Fan	Motor	Type	-	Turbo Fan / BLDC	Turbo Fan / BLDC	Turbo Fan / BLDC
		Output	W	37	37	37
	Air Flow Rate	High / Mid / Low	CMM	7 / 6 / 5	8.5 / 7.5 / 6.5	13 / 11.5 / 10
		External Static Pressure	mmAq	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	-	6.35	6.35	6.35
		Φ, inch	-	1/4	1/4	1/4
	Gas Pipe	Φ, mm	-	12.7	12.7	12.7
		Φ, inch	-	1/2	1/2	1/2
Field Wiring	Drain Pipe	Φ, mm	-	VP18 (OD, ID)	VP18 (OD, ID)	VP18 (OD, ID)
		Φ, mm	-	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable	mm ²	-	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
		mm ²	-	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
Refrigerant	Type	-	-	R410a	R410a	R410a
		Control Method	-	EEV	EEV	EEV
Sound	Sound Pressure	High / Low	dBA	38 / 23	39 / 24	44 / 25
		Net Weight	kg	15	15	15
	Shipping Weight	kg	-	20	20	20
		Net Dimensions (WxHxD)	mm	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199
Dimensions	Shipping Dimensions (WxHxD)	mm	-	810 x 710 x 295	810 x 710 x 295	810 x 710 x 295
		mm	-	-	-	-
	Panel Model	kg	-	-	-	-
		kg	-	-	-	-
Panel Size	Shipping Weight	kg	-	-	-	-
		kg	-	-	-	-
	Net Dimensions (WxHxD)	mm	-	-	-	-
		mm	-	-	-	-
Additional Accessories	Drain Pump	Max. Lifting Height / Displacement	mm / liter/h	-	-	-
		mm / liter/h	-	-	-	-
	Air Filter	-	-	Long life filter	Long life filter	Long life filter
		-	-	-	-	-

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Optional Accessories

- Individual Controllers



Standard Accessories

- Wireless Remote Controller



Ceiling

- 2Way Installation
- Compact but Powerful



Model				AVXTFH056EE	AVXTFH071EE
Power Supply		Φ, #, V, Hz	-	1, 2, 220~240, 50	1, 2, 220~240, 50
Mode		-	-	HP / HR	HP / HR
Capacity (Nominal)	Cooling	kW	-	5.6	7.1
		Btu/h	-	19,100	24,200
	Heating	kW	-	6.3	8.0
		Btu/h	-	21,500	27,300
	Power Input (Nominal)	W	-	72	80
		W	-	72	80
Power	Current Input (Nominal)	Cooling	A	0.33	0.35
		Heating	A	0.33	0.35
Fan	Motor	Type	-	Sirroco Fan / AC	Sirroco Fan / AC
		Output	W	47	47
	Air Flow Rate	High / Mid / Low	CMM	14 / 13 / 12	18 / 16.5 / 15
		External Static Pressure	mmAq	-	-
Piping Connections	Liquid Pipe	Φ, mm	-	6.35	9.52
		Φ, inch	-	1/4	3/8
	Gas Pipe	Φ, mm	-	12.7	15.88
		Φ, inch	-	1/2	5/8
Field Wiring	Drain Pipe	Φ, mm	-	VP18 (OD, ID)	VP18 (OD, ID)
		Φ, mm	-	1.5 / 2.5	1.5 / 2.5
	Transmission Cable	mm ²	-	0.75 / 1.5	0.75 / 1.5
		mm ²	-	0.75 / 1.5	0.75 / 1.5
Refrigerant	Type	-	-	R410a	R410a
		Control Method	-	EEV (External)	EEV (External)
Sound	Sound Pressure	High / Low	dBA	38 / 32	41 / 36
		Net Weight	kg	22	22
	Shipping Weight	kg	-	26	26
		Net Dimensions (WxHxD)	mm	1000 x 650 x 200	1000 x 650 x 200
Dimensions	Shipping Dimensions (WxHxD)	mm	-	1074 x 726 x 294	1074 x 726 x 294
		mm	-	-	-
	Panel Model	kg	-	-	-
		kg	-	-	-
Panel Size	Shipping Weight	kg	-	-	-
		kg	-	-	-
	Net Dimensions (WxHxD)	mm	-	-	-
		mm	-	-	-
Additional Accessories	Drain Pump	Max. Lifting Height / Displacement	mm / liter/h	-	-
		mm / liter/h	-	-	-
	Air Filter	-	-	Long life filter	Long life filter
		-	-	-	-

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

Optional Accessories

- Individual Controllers





























Standard Accessories

- Wireless Remote Controller












Control System

CLASSIFICATION		PRODUCT	MODEL	IMAGE	APPLICATION MODEL
Integrated Management System	Controller	DMS2	MIM-D00A		DVM SERIES, FJM, CAC, ERV, ERV PLUS
		S-NET3	MST-P3P		DVM SERIES, FJM, CAC, ERV, ERV PLUS
		S-NET Mini	MST-S3W		DVM SERIES, FJM, CAC, ERV, ERV PLUS
	Interface Module	PIM	MIM-B16		DVM SERIES, FJM, CAC
Centralized Control System	Controller	Function Controller	MCM-A100		DVM SERIES, FJM, CAC
		Centralized Controller	MCM-A202D		DVM SERIES, FJM, CAC, ERV, ERV PLUS
		7 Day Scheduler	MWR-BS00		CENTRALIZED CONTROLLER
		Operation Mode Selection Switch	MCM-C200		DVM SERIES (Except HR Models)
	Interface Module	Centralized Control Interface Module	MIM-B13D		DVM SERIES, FJM, CAC, ERV, ERV PLUS
			MIM-B13E		DVM SERIES, FJM, CAC, ERV
Individual Control System	Controller	Wired Remote Controller	MWR-WE10		CASSETTE, WALL-MOUNTED, CEILING, DUCT, CONSOLE, ERV, ERV PLUS
		Wired Remote Controller	MWR-WH00		CASSETTE, WALL-MOUNTED, CEILING, DUCT, CONSOLE
		Simplified Wired Remote Controller	MWR-SH00		CASSETTE, WALL-MOUNTED, CEILING, DUCT, CONSOLE
		ERV Wired Remote Controller	MWR-VH02		ERV
		Wireless Remote Controller	MR-DH00		CASSETTE, WALL-MOUNTED, CEILING, DUCT (Receiver Needed), CONSOLE
		ERV CO ₂ Sensor	MOS-C1		ERV, ERV PLUS
		Wireless Signal Receiver	MRK-A00		DUCT (For Wireless Remote Controller)
		Wireless Signal Receiver Wire	MRW-10A		DUCT (For Wireless Remote Controller)
		RAC Extension Board	MIM-A00		FJM (For Connecting Wired Remote Controller and External Contact Interface Module)
		External Room Sensor	MRW-TA		CASSETTE, WALL-MOUNTED, CEILING, DUCT, CONSOLE
Building Management System		LonWorks Interface Module	MIM-B07		DVM SERIES, FJM
		LonWorks Gateway	MIM-B18		DVM SERIES, FJM, CAC, ERV
		BACnet Gateway	MIM-B17		DVM SERIES, FJM, CAC, ERV
Guest Room Management System		KEY-TAG Interface Module	MIM-B02		DVM SERIES, FJM
		External Contact Interface Module	MIM-B14		DVM SERIES, FJM, CAC
Converter		Converter Unit	MIM-C02		DVM SERIES, FJM, CAC

*DVM SERIES: MINI DVM, DVM PLUS III, DVM PLUS III HR, DVM PLUS IV, DVM PLUS IV HR










Accessories

Classification	Image	Model	Description	Relevant Unit	Remark
Y- joint		MXJ-YA1509K	15kW and below	DVM PLUS III, DVM PLUS III HR DVM PLUS IV, DVM PLUS IV HR	Requisite
		MXJ-YA2512L	Over 15.0 ~ 40.6kW and below		
		MXJ-YA2812K	Over 40.6 ~ 46.4 kW and below		
		MXJ-YA2815K	Over 46.4 ~ 69.6 kW and below		
		MXJ-YA3119K	Over 69.6 ~ 98.6 kW and below		
		MXJ-YA3819K	Over 98.6 ~ 139.2 kW and below		
Y-joint (High Pressure Gas) for DVM PLUS III HR module		MXJ-YA4422K	Over 139.2 kW	DVM Plus III HR, DVM PLUS IV HR	Requisite
		MXJ-YA1500K	23.2 kW and below		
		MXJ-YA2500K	Over 23.2 ~ 69.6 kW and below		
		MXJ-YA3100K	Over 69.6 ~ 139.2 kW and below		
Outdoor Joint (Outdoor Connection)		MXJ-YA3800K	Over 139.2 kW	DVM PLUS III, DVM PLUS III HR (Module) DVM PLUS IV, DVM PLUS IV HR (Module)	Requisite
		MXJ-T3819K	Below 48 HP		
Outdoor Joint (High Pressure Gas) for DVM PLUS III HR Module		MXJ-T4422K	Over 50 HP	DVM PLUS III HR (Module) DVM PLUS IV HR (Module)	Option
		MXJ-T3100K	Below 48 HP		
Header Joint		MXJ-T3800K	Over 50 HP	DVM PLUS III, DVM PLUS III HR DVM PLUS IV, DVM PLUS IV HR	Option
		MXJ-HA3819K	Below 46.4 kW		
		MXJ-HA3115K	Below 69.6 kW		
MCU Kits		MXJ-HA2512K	Over 69.7 kW	DVM PLUS III HR DVM PLUS IV HR	Requisite
		MCU-4EAE3	Below 4 indoor units		
EEV Kits		MCU-6EAE3	Below 6 indoor units	Wall-mounted & Ceiling indoor unit (For 2 indoor units)	Option
		MXD-A13K116E	Below 3.6 kW (1 Room) + 5.6 kW ~ 9.0 kW (1Room)		
		MXD-A13K200E	Below 3.6 kW (2 Rooms)		
		MXD-A16K200E	5.6 kW~9.0 kW (2Rooms)		
		MXD-A22K200E	Over 9.0 kW (2Rooms)	Wall-mounted & Ceiling indoor unit (For 3 indoor units)	Option
		MXD-A13K216E	Below 3.6 kW (2 Rooms) + 5.6 kW ~ 9.0 kW (1Room)		
		MXD-A13K300E	Below 3.6 kW (3 Rooms)		
		MXD-A16K213E	Below 3.6 kW (1 Room) + 5.6 kW ~ 9.0 kW (2Rooms)		
		MXD-A16K300E	5.6 kW ~ 9.0 kW (3Rooms)	Wall-mounted & Ceiling indoor unit (For single unit)	Option
		MEV-A13SA	Below 3.6 kW (1 Room)		
		MEV-A16SA	5.6 kW ~ 9.0 kW (1Room)		

Notes

*1) MCU-4EAEV2/3 is the product that includes built in EEV to connect the indoor unit (wall-mounted type and ceiling type) that does not include EEV.







Accessories

Classification	Image	Model	Description	Relevant Unit	Remark
Drain Pump		MDP-E075SEE3	Slim Duct (2.0 ~ 14.0 kW)	-	Option
		MDP-M075SGU1	M.S.P Duct (9.0/11.2 kW)		
		MDP-M075SGU2	M.S.P Duct (12.8/14.0 kW)		
		MDP-M075SGU3	M.S.P Duct (5.6/7.1 kW)		
AHU Kits		MXD-A16K1X025A	7.0 ~ 8.75 kW AHU	-	
		MXD-A22K1X050A	14.0 ~ 17.5 kW AHU		
		MXD-A22K2X075A	21.0 ~ 26.25 kW AHU		
		MXD-A22K2X100A	28.0 ~ 35.0 kW AHU		
Humidifier		MVO-VA050100	RHF050KHEA	-	
		MVO-VA100100	RHF100KHEA		
Front Panel		PC4NUSKA	4Way Cassette S - Waffle	Not compatible with conventional 4Way Cassette	Requisite
		PC4NUSKE	4Way Cassette S - Classic		
		P4SMA	4Way Cassette	Not compatible with 4Way Cassette S	Requisite
		PMSMA	Mini 4Way Cassette		
		PSSMA	Slim 1Way Cassette	-	Requisite
		P2SMA	2Way Cassette		
S-Plasma ion		MSD-CAN1	4Way Cassette S		Option
		MSD-EAN1	ERV Plus		Option




Notes
*1) MCU-4EAEV2/3 tis the product that includes built in EEV to connect the indoor unit (wall-mounted type and ceiling type) that does not include EEV.

CAC Lineup & Feature - Indoor Units






Duct - R22 / Cooling Only

MODEL				
REGION		VIETNAM	MALAYSIA	INDONESIA
	5.3			●
	7.0			●
	8.3			●
	10.5	●	●	●
	12.5	●	●	●
	14.0	●	●	●
	18.0	●	●	●
	21.0	●	●	●
FEATURES	 Anti-Bacteria Filter	●	●	●
	 Easy Filter Cleaning	●	●	●
	 High Lift-Up Drain Pump	●	●	●
	 Smart Pressure Control	●	●	●
	 Wired Remote Controller	●	●	●

4Way Cassette - R22 / Cooling Only

MODEL				
REGION		VIETNAM	MALAYSIA	INDONESIA
	5.3	●	●	●
	7.0	●	●	●
	10.5	●	●	●
	12.5	●	●	●
	14.0	●	●	●
FEATURES	 High Lift-Up Drain Pump	●	●	●
	 Quick Connection of Drain Pipe	●	●	●

Ceiling - R22 / Cooling Only

MODEL				
REGION		VIETNAM	MALAYSIA	INDONESIA
	5.3	●	●	●
	7.0	●	●	●
FEATURES	 Interior Design	●	●	●
	 Anti-Bacteria Filter	●	●	●
	 Light Weight	●	●	●
	 Flexible Pipe Installation	●	●	●

CAC Specification - Indoor Units (R22 I Cooling Only)

MSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



* VIET NAM

Indoor Unit				DC18ETSA1*		DC24ETSA*		DC30ETSA*		DC36ETSA*		
Model Name		Outdoor Unit		DC18ETSX1*		DC24ETSX*		DC30ETSX*		DC36ETSX*		
Mode		-		Cooling Only		Cooling Only		Cooling Only		Cooling Only		
Performance	Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW	4.5		6.0		7.3		8.8		
			Btu/h	15,500		20,480		25,000		30,100		
		Heating (Min. / Std. / Max.)	kW									
			Btu/h									
Energy Grade (C) / Energy Grade (H)			-									
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	kW	2.60		3.00		3.40		4.15		
		Heating (Min. / Std. / Max.)										
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	8.7		9.5		11.8		14.0		
		Heating (Min. / Std. / Max.)										
Circuit Breaker (MCCB+ELB / ELCB)			A									
COP	Nominal Cooling	-		1.75		2		2.15		2.13		
	Nominal Heating	-										
Piping Connections	Liquid Pipe	Ø, mm		6.35 x 1		6.35 x 1		6.35 x 1		9.52 x 1		
		Gas Pipe		Ø, mm		12.7 x 1		12.7 x 1		15.88 x 1		
	Installation Limitation	Max. Length (Outdoor to indoor)		m								
		Max. Height (Between ID/OD)		m								
Refrigerant	Type		-		R22		R22		R22		R22	
	Factory Charging		kg									
INDOOR UNIT												
Power Supply		Ø, #, V, Hz		1/220~240/50		1/220~240/50		1/220~240/50		1/220~240/50		
Fan	Air Flow Rate		CMM		16.0		23.0		34.0		34.0	
	External Static Pressure		Min. / Std. / Max. mmAq		0 / 2 / 4		0 / 2 / 4		4 / 6 / 8		4 / 6 / 8	
			Pa									
Drain	Drain Pipe		Ø,mm									
Sound	Sound Pressure		High / Low dB(A)		30 / -		33 / -		41 / -		41 / -	
External Dimension	Net Weight		kg		26		32		32		32	
	Shipping Weight		kg		30		38		38		38	
	Net Dimensions (WxHxD)		mm		900x199x600		1,150x260x480		1,150x260x480		1,150x260x480	
	Shipping Dimensions (WxHxD)		mm		1,133x333x722		1,405x354x593		1,405x354x593		1,405x354x593	
Panel Size	Panel model		-									
	Panel Net Weight		kg									
	Shipping Weight		kg									
	Net Dimensions (WxHxD)		mm									
	Shipping Dimensions (WxHxD)		mm									
Additional Accessories	Drain pump	Drain pump		-								
		Max. lifting Height / Displacement		mm / liter/h								
	Air Filter		-									
OUTDOOR UNIT												
Power Supply		Ø, #, V, Hz		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50		
Sound	Sound Pressure		dB(A)		52		52		53		55	
External Dimension	Net Weight		kg		34 / -		39 / -		55 / -		68 / -	
	Shipping Weight		kg									
	Net Dimensions (WxHxD)		mm		720x548x265		790x548x285		880x638x310		880x798x310	
	Shipping Dimensions (WxHxD)		mm		849x594x355		926x600x382		1,023x744x413		1,023x891x413	
Operating Temp. Range	Cooling		°C									
	Heating		°C									

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Optional Accessories

- Individual Controllers



Standard Accessories

- Wired Remote Controller

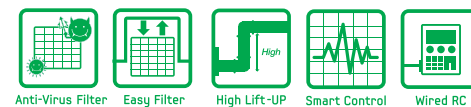


CAC Specification - Indoor Units (R22 I Cooling Only)

MSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



Model Name		Indoor Unit		DC36ETSA/SGE		DC42ETSA/SGE		DC48GTSA/SGE		DC60GTSA/SGE		DC72GTSA1/SGE	
		Outdoor Unit		DC36ETSX/SGE		DC42ETSX/SGE		DC48GTSX/SGE		DC60GTSX/SGE		DC72GTSX1/SGE	
Mode				Cooling Only		Cooling Only		Cooling Only		Cooling Only		Cooling Only	
Performance	Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW	8.8		10.5		11.7		15.5		18.5	
			Btu/h	30,100		36,020		40,000		53,040		63,000	
		Heating (Min. / Std. / Max.)	kW										
			Btu/h										
Energy Grade (C) / Energy Grade (H)				/		/		/		/		/	
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	kW	3.00		3.40		4.15		5.20		5.60	
		Heating (Min. / Std. / Max.)											
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	14.00		15.50		7.50		9.10		9.20	
		Heating (Min. / Std. / Max.)											
Circuit Breaker (MCCB+ELB / ELCB)				A									
COP	Nominal Cooling		-	2.94		3.11		2.83		2.99		3.30	
	Nominal Heating		-										
Piping Connections	Liquid Pipe		Ø, mm	9.52 x 1		9.52 x 1		9.52 x 1		9.52 x 1		9.52 x 1	
	Gas Pipe		Ø, mm	15.88 x 1		19.05 x 1		19.05 x 1		19.05 x 1		19.05 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0		30.0		30.0		30.0		30.0	
		Max. Height (Between ID/OD)	m	15.0		15.0		15.0		15.0		15.0	
Refrigerant	Type		-	R22		R22		R22		R22		R22	
	Factory Charging		kg	2.0		1.7		2.0		2.85		2.6	
INDOOR UNIT													
Power Supply		Ø, #, V, Hz		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50	
Fan	Air Flow Rate		CMM	21.9		27.4		29.1		36.5		43.8	
	External Static Pressure		Min. / Std. / Max. mmAq	4 / 6 / 8		6 / 8 / 10		6 / 8 / 10		6 / 8 / 10		6 / 8 / 10	
		Pa		39.2 / 58.8 / 78.5		58.8 / 78.5 / 98.1		58.8 / 78.5 / 98.1		58.8 / 78.5 / 98.1		58.8 / 78.5 / 98.1	
Drain	Drain Pipe		Ø,mm	VP20 (OD 26,ID 20)		VP20 (OD 26,ID 20)		VP20 (OD 26,ID 20)		VP20 (OD 26,ID 20)		VP20 (OD 26,ID 20)	
Sound	Sound Pressure		High / Low dB(A)	47 / -		46 / -		48 / -		52 / -		52 / -	
External Dimension	Net Weight		kg	32		37		39		52		55	
	Shipping Weight		kg	38		44		46		60		63	
	Net Dimensions (WxHxD)		mm	1150 x 260 x 480		1150 x 320 x 480		1150 x 320 x 480		1200 x 360 x 650		1200 x 360 x 650	
	Shipping Dimensions (WxHxD)		mm	1405 x 593 x 354		1400 x 430 x 590		1400 x 430 x 590		1447 x 425 x 769		1447 x 425 x 769	
Panel Size	Panel model		-	-		-		-		-		-	
	Panel Net Weight		kg	-		-		-		-		-	
	Shipping Weight		kg	-		-		-		-		-	
	Net Dimensions (WxHxD)		mm	-		-		-		-		-	
	Shipping Dimensions (WxHxD)		mm	-		-		-		-		-	
Additional Accessories	Drain pump		Drain pump	-		-		-		-		-	
	Max. lifting Height / Displacement		mm / liter/h	-		-		-		-		-	
	Air Filter		-										
OUTDOOR UNIT													
Power Supply		Ø, #, V, Hz		1, 2, 220~240, 50		1, 2, 220~240, 50		3, 4, 380~415, 50		3, 4, 380~415, 50		3, 4, 380~415, 50	
Sound	Sound Pressure		dB(A)	63		66		67		68		68	
External Dimension	Net Weight		kg	58		87		87		105		105	
	Shipping Weight		kg	62		97		97		120		120	
	Net Dimensions (WxHxD)		mm	880 x 798 x 310		880 x 931 x 320		880 x 931 x 320		932 x 1128 x 375		932 x 1128 x 375	
	Shipping Dimensions (WxHxD)		mm	1023 x 744 x 413		1043 x 411 x 1062		1043 x 411 x 1062		1091 x 1286 x 472		1091 x 1286 x 472	
Operating Temp. Range	Cooling		°C	21 ~ 54		21 ~ 54		21 ~ 54		21 ~ 54		21 ~ 54	
	Heating		°C	-		-		-		-		-	

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-SH00



MRK-DH00



MRK-A00



MRW-10A

Standard Accessories

- Wired Remote Controller



MWR-SC00T

CAC Specification - Indoor Units (R22 I Cooling Only)



4Way Cassette

- Stylish Panel Design
- Efficient Cooling
- New Turbo Fan
- Easy Leveling



Model Name	Indoor Unit			CC18ETVA/XTL	CC24ETVA1/SGE	CC36ETVA/SGE	CC42GTVA/SGE	CC48GTVA/SGE
	Outdoor Unit			CC18ETVX/XTL	CC24ETVX/SGE	CC36ETVX/SGE	CC42GTVX/SGE	CC48GTVX/SGE
Mode	-			Cooling Only	Cooling Only	Cooling Only	Cooling Only	Cooling Only
Performance	Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW	5.3	7.0	10.0	12.3	13.5
		Heating (Min. / Std. / Max.)	Btu/h	18,000	24,000	34,000	42,000	46,000
			kW					
			Btu/h					
Energy Grade (C) / Energy Grade (H)			-	/	/	/	/	/
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	kW	2.10	2.85	3.80	4.60	5.00
		Heating (Min. / Std. / Max.)						
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	9.50	13.00	18.00	8.00	9.00
		Heating (Min. / Std. / Max.)						
Circuit Breaker (MCCB+ELB / ELCB)			A					
COP	Nominal Cooling		-	2.51	2.47	2.62	2.68	2.70
	Nominal Heating		-					
Piping Connections	Liquid Pipe	Ø, mm		6.35 x 1	6.35 x 1	9.52 x 1	9.52 x 1	9.52 x 1
	Gas Pipe	Ø, mm		12.7 x 1	15.88 x 1	15.88 x 1	19.05 x 1	19.05 x 1
	Installation Limitation	Max. Length (Outdoor to indoor)	m					
		Max. Height (Between ID/OD)	m					
Refrigerant	Type	-		R22	R22	R22	R22	R22
	Factory Charging	kg		1.4	1.7	2.1	2.6	2.8
INDOOR UNIT								
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Fan	Air Flow Rate		CMM	15.3	17.0	29.0	29.0	29.0
	External Static Pressure	Min. / Std. / Max.	mmAq Pa	- -	- -	- -	- -	- -
Drain	Drain Pipe			Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure	High / Low		46 / -	46 / -	49 / -	49 / -	51 / -
External Dimension	Net Weight		kg	25	25	29	29	29
	Shipping Weight		kg	31	31	35	35	35
	Net Dimensions (WxHxD)		mm	840 x 218 x 840	840 x 218 x 840	840 x 298 x 840	840 x 298 x 840	840 x 298 x 840
	Shipping Dimensions (WxHxD)		mm	925 x 280 x 925	925 x 280 x 925	925 x 360 x 925	925 x 360 x 925	925 x 360 x 925
Panel Size	Panel model		-	-	-	-	-	-
	Panel Net Weight		kg	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-	-	-
	Shipping Dimensions (WxHxD)		mm	-	-	-	-	-
Additional Accessories	Drain pump	Drain pump	-	-	-	-	-	-
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-
	Air Filter		-					
OUTDOOR UNIT								
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	3, 4, 380~415, 50	3, 4, 380~415, 50
Sound	Sound Pressure		dB(A)	59	61	65	67	68
External Dimension	Net Weight		kg	39	55	90	105	105
	Shipping Weight		kg	43	60	95	115	115
	Net Dimensions (WxHxD)		mm	790 x 548 x 285	880 x 638 x 310	880 x 931 x 320	932 x 1128 x 375	932 x 1128 x 375
	Shipping Dimensions (WxHxD)		mm	926 x 600 x 382	1023 x 744 x 413	1043 x 1062 x 411	1091 x 1286 x 472	1091 x 1286 x 472
Operating Temp. Range	Cooling		°C	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54
	Heating		°C	-	-	-	-	-

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Optional Accessories

■ Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00U

■ Panel



PC095MCS / PC095MC1S
PC095MC2S / PC095MC3S

CAC Specification - Indoor Units (R22 I Cooling Only)



Ceiling

- 2Way Installation
- Compact but Powerful



Interior Design



Anti-Virus Filter



Lightweight



Flexible



Wireless RC

Indoor Unit				FC18ETVA/SGE		FC24ETVA/SGE	
Outdoor Unit				FC18ETVX/SGE		FC24ETVX/SGE	
Mode				Cooling Only		Cooling Only	
Performance	Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW	5.1		6.6	
			Btu/h	17,500		22,500	
		Heating (Min. / Std. / Max.)	kW	-		-	
			Btu/h	-		-	
Energy Grade (C) / Energy Grade (H)			-	/		/	
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	kW	2.10		2.80	
		Heating (Min. / Std. / Max.)		-		-	
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	9.50		13.50	
		Heating (Min. / Std. / Max.)		-		-	
Circuit Breaker (MCCB+ELB / ELCB)			A	-		-	
COP	Nominal Cooling		-	2.44		2.36	
	Nominal Heating		-	-		-	
Piping Connections	Liquid Pipe		Ø, mm	6.35 x 1		6.35 x 1	
	Gas Pipe		Ø, mm	12.7 x 1		15.88 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0		30.0	
		Max. Height (Between ID/OD)	m	15.0		15.0	
Refrigerant	Type		-	R22		R22	
	Factory Charging		kg	1.35		1.6	
INDOOR UNIT							
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220-240, 50	
Fan	Air Flow Rate		CMM				
	External Static Pressure		Min. / Std. / Max. mmAq	-		-	
			Pa	-		-	
Drain	Drain Pipe		Ø,mm	VP25 (OD 32,ID 25)		VP25 (OD 32,ID 25)	
Sound	Sound Pressure		High / Low	dB(A)		52 / -	
External Dimension	Net Weight		kg	22		22	
	Shipping Weight		kg	26		26	
	Net Dimensions (WxHxD)		mm	1,000 x 200 x 650		1,000 x 200 x 650	
	Shipping Dimensions (WxHxD)		mm	1,080 x 230 x 740		1,080 x 230 x 740	
Panel Size	Panel model		-	-		-	
	Panel Net Weight		kg	-		-	
	Shipping Weight		kg	-		-	
	Net Dimensions (WxHxD)		mm	-		-	
	Shipping Dimensions (WxHxD)		mm	-		-	
Additional Accessories	Drain pump	Drain pump	-	-		-	
		Max. lifting Height / Displacement	mm / liter/h	-		-	
	Air Filter		-				
OUTDOOR UNIT							
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220-240, 50	
Sound	Sound Pressure		dB(A)	59		62	
External Dimension	Net Weight		kg	39		55	
	Shipping Weight		kg	43		60	
	Net Dimensions (WxHxD)		mm	790 x 548 x 285		880 x 638 x 310	
	Shipping Dimensions (WxHxD)		mm	860 x 615 x 365		1023 x 744 x 413	
Operating Temp. Range	Cooling		°C	21 ~ 54		21 ~ 54	
	Heating		°C	-		-	

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00U

Standard Accessories

- Wireless Remote Controller

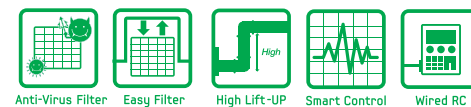


CAC Specification - Indoor Units (R410A | Heat Pump)

MSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



Indoor Unit				NS071SDXEA/XSA	DH090EAV	DH105EAV	DH140EAV
Outdoor Unit				RC071DHXEA/XSA	UH090EAV	UH105GAV	UH140GAV
Mode				-	Heat Pump	Heat Pump	Heat Pump
Performance	Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW	2.2 / 7.1 / 8.0	2.9 / 9.0 / 10.0	3.4 / 10.5 / 12.0	3.5 / 14.0 / 15.4
			Btu/h		9,900 / 30,700 / 34,100	11,400 / 35,800 / 40,900	11,800 / 47,800 / 52,500
		Heating (Min. / Std. / Max.)	kW	1.9 / 8.0 / 9.0	2.4 / 10.0 / 11.4	2.6 / 11.2 / 15.5	3.8 / 16.0 / 19.5
			Btu/h		8,200 / 32,400 / 38,900	8,900 / 38,200 / 52,900	12,800 / 54,600 / 66,500
	Energy Grade (C) / Energy Grade (H)		-	-	A / B	A / A	B / A
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	kW	0.3 / 2.2 / 4.0	0.8 / 2.8 / 3.4	0.83 / 3.27 / 3.7	1.11 / 4.65 / 5.3
		Heating (Min. / Std. / Max.)		0.3 / 2.2 / 4.0	0.7 / 2.78 / 5.5	0.74 / 3.1 / 5.5	1.02 / 4.43 / 5.8
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	2.0 / 10.5 / 21.0	3.5 / 12.4 / 15.5	1.4 / 5 / 6.1	1.8 / 7.4 / 8.8
		Heating (Min. / Std. / Max.)		2.0 / 10.5 / 21.0	3.1 / 12.3 / 24.5	1.3 / 5 / 8.5	1.7 / 7 / 9.5
	Circuit Breaker (MCCB+ELB / ELCB)		A	30	30	20	20
COP	Nominal Cooling		-	3.21	3.21	3.21	3.01
	Nominal Heating		-	3.61	3.61	3.61	3.61
Piping Connections	Liquid Pipe		Ø, mm	6.35 x 1	9.52 x 1	9.52 x 1	9.52 x 1
	Gas Pipe		Ø, mm	15.88 x 1	15.88 x 1	15.88 x 1	19.05 x 1
	Installation Limitation	Max. Length (Outdoor to indoor)	m	50.0	75.0	75.0	75.0
		Max. Height (Between ID/OD)	m	30.0	30.0	30.0	30.0
Refrigerant	Type		-	R410A	R410A	R410a	R410a
	Factory Charging		kg	1.8	3.0	2.8	2.8
INDOOR UNIT							
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Fan	Air Flow Rate		CMM		24.0	28.1	36.8
	External Static Pressure	Min. / Std. / Max.	mmAq	2 / 4 / 6	0 / 8 / 12	0 / 8 / 12	0 / 8 / 14
			Pa		0 / 78.5 / 117.7	0 / 78.5 / 117.7	0 / 78.5 / 137.3
Drain	Drain Pipe		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure		High / Low	dB(A)	39 / 35	39 / 35	43 / 38
External Dimension	Net Weight		kg	33	34	39	55
	Shipping Weight		kg	40	40	46	60
	Net Dimensions (WxHxD)		mm	1150 x 480 x 260	1150 x 320 x 480	1150 x 320 x 480	1200 x 360 x 650
	Shipping Dimensions (WxHxD)		mm	1405 x 593 x 354	1396 x 424 x 524	1396 x 424 x 524	1447 x 425 x 769
Panel Size	Panel model		-		-	-	-
	Panel Net Weight		kg		-	-	-
	Shipping Weight		kg		-	-	-
	Net Dimensions (WxHxD)		mm		-	-	-
	Shipping Dimensions (WxHxD)		mm		-	-	-
Additional Accessories	Drain pump	Drain pump	-		Optional / MDP-M075SGU1	Optional / MDP-E075SGU1	Optional / MDP-E075SGU2
		Max. lifting Height / Displacement	mm / liter/h		750 / 24	750 / 24	750 / 24
	Air Filter		-		Long life filter		
OUTDOOR UNIT							
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	3, 4, 380~415, 50	3, 4, 380~415, 50
Sound	Sound Pressure		dB(A)		51	53	59
External Dimension	Net Weight		kg	54.5	72	95	105
	Shipping Weight		kg	59	77	110	120
	Net Dimensions (WxHxD)		mm	880 x 310 x 798	940 x 998 x 330	932 x 1128 x 375	932 x 1128 x 375
	Shipping Dimensions (WxHxD)		mm	1023 x 891 x 413	995 x 1096 x 426	1091 x 1286 x 472	1091 x 1286 x 472
Operating Temp. Range	Cooling		°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating		°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-SH00



MR-DH00



MRK-A00



MRW-10A

- Drain Pump

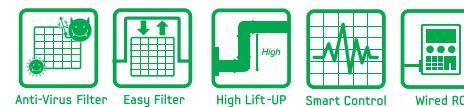


CAC Specification - Indoor Units (R410A Heat Pump)

HSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



Indoor Unit				NS100HHXEh/XSA	NS125HHXEh/XSA	NS140HHXEh/XSA	NS155HHXEh/XSA	
Outdoor Unit				RC100DHXEh/XSA	RC125DHXEh/XSA	RC140DHXEh/XSA	RC155DHXEh/XSA	
Mode				-	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Performance	Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW	3.5 / 10.0 / 13.0	3.5 / 12.5 / 14.0	3.5 / 14.0 / 16.0	3.5 / 15.5 / 17.0	
			Btu/h					
		Heating (Min. / Std. / Max.)	kW	3.8 / 11.2 / 15.0	3.8 / 14.0 / 17.0	3.8 / 16.0 / 19.0	3.8 / 17.0 / 20.0	
			Btu/h					
Energy Grade (C) / Energy Grade (H)				-	-	-	-	
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	kW	1.3 / 2.7 / 4.0	1.3 / 3.8 / 5.1	1.5 / 4.3 / 6.2	1.5 / 4.7 / 7.4	
		Heating (Min. / Std. / Max.)		1.1 / 2.8 / 4.9	1.0 / 3.7 / 6.2	1.2 / 4.3 / 7.4	1.2 / 4.7 / 8.0	
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	6.5 / 12.0 / 20.7	6.5 / 17.0 / 22.5	7.0 / 19.0 / 28.0	7.0 / 21.5 / 32.0	
		Heating (Min. / Std. / Max.)		6.0 / 12.9 / 21.2	6.0 / 16.5 / 26.0	6.5 / 19.0 / 32.0	6.5 / 21.0 / 34.0	
	Circuit Breaker (MCCB+ELB / ELCB)			A	30	30	30	
COP	Nominal Cooling			-	3.21	3.21	3.21	
	Nominal Heating			-	3.61	3.61	3.61	
Piping Connections	Liquid Pipe			Ø, mm	9.52 x 1	9.52 x 1	9.52 x 1	
	Gas Pipe			Ø, mm	19.05 x 1	19.05 x 1	19.05 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)		m	75.0	75.0	75.0	
		Max. Height (Between ID/OD)		m	30.0	30.0	30.0	
Refrigerant	Type			-	R410A	R410A	R410A	
	Factory Charging			kg	3.4	4.4	4.4	
INDOOR UNIT								
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	
Fan	Air Flow Rate			CMM				
	External Static Pressure			Min. / Std. / Max. mmAq Pa	2 / 4 / 6	2 / 4 / 6	2 / 4 / 6	
Drain	Drain Pipe			Ø,mm				
Sound	Sound Pressure			High / Low dB(A)				
External Dimension	Net Weight			kg	62	65	65	
	Shipping Weight			kg	71	74	74	
	Net Dimensions (WxHxD)			mm	1200 x 650 x 360	1200 x 650 x 360	1200 x 650 x 360	
	Shipping Dimensions (WxHxD)			mm	1447 x 769 x 425	1447 x 769 x 425	1447 x 769 x 425	
Panel Size	Panel model			-				
	Panel Net Weight			kg				
	Shipping Weight			kg				
	Net Dimensions (WxHxD)			mm				
	Shipping Dimensions (WxHxD)			mm				
Additional Accessories	Drain pump	Drain pump			-			
		Max. lifting Height / Displacement			mm / liter/h			
	Air Filter			-				
OUTDOOR UNIT								
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	
Sound	Sound Pressure			dB(A)	46	48	50	51
External Dimension	Net Weight			kg	88.0	88.0	98.6	98.6
	Shipping Weight			kg	98.0	98.0	108.6	108.6
	Net Dimensions (WxHxD)			mm	940 x 330 x 1210	940 x 330 x 1210	940 x 330 x 1420	940 x 330 x 1420
	Shipping Dimensions (WxHxD)			mm	995 x 426 x 1338	995 x 426 x 1338	1009 x 419 x 1548	1009 x 419 x 1548
Operating Temp. Range	Cooling			°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating			°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-SH00



MR-DH00



MRK-A00



MRW-10A

- Drain Pump

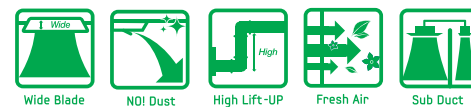


CAC Specification - Indoor Units (R410A | Heat Pump)



4Way Cassette S

- Filter Cleaning Robot (Optional)
- S-Plasma ion (Optional)
- Motion Detect Sensor (Optional)
- Individual Blade Control



Model Name		Indoor Unit		NS1004ZXE/XSA		NS0714PXE/XSA		NS1004PXE/XSA		NS1254PXE/XSA		NS1404PXE/XSA			
		Outdoor Unit		RC100ZHXE/XSA		RC071PHXE/XSA		RC100PHXE/XSA		RC125PHXE/XSA		RC140PHXE/XSA			
Mode				Heat Pump		Heat Pump		Heat Pump		Heat Pump		Heat Pump			
Performance	Capacity (Nominal)	Cooling (Min. / Std. / Max.)		kW		4.4 / 10.0 / 12.0		2.2 / 7.1 / 8.0		3.5 / 10.0 / 12.0		3.5 / 12.5 / 14.0		4.4 / 14.0 / 15.5	
				Btu/h		15,000 / 34,100 / 40,900		7,500 / 24,200 / 27,300		11,900 / 34,100 / 40,900		11,900 / 42,700 / 47,800		15,000 / 47,800 / 52,900	
		Heating (Min. / Std. / Max.)		kW		3.5 / 11.2 / 15.5		1.9 / 8.0 / 11.0		3.5 / 11.2 / 15.5		3.5 / 14.0 / 16.2		3.5 / 16.0 / 20.0	
				Btu/h		11,900 / 38,200 / 52,900		6,500 / 27,300 / 37,500		11,900 / 38,200 / 52,900		11,900 / 47,800 / 55,300		11,900 / 54,600 / 68,200	
Energy Grade (C) / Energy Grade (H)				-		A / A		A / A		A / A		A / A		A / A	
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)		kW		1.05 / 2.21 / 3.1		0.90 / 1.87 / 2.80		0.8 / 2.38 / 3.8		0.8 / 3.47 / 4.8		1.05 / 4 / 5.4	
		Heating (Min. / Std. / Max.)				0.62 / 2.34 / 4.6		0.35 / 1.95 / 3.50		0.7 / 2.49 / 4.5		0.7 / 3.59 / 4.5		0.87 / 4.1 / 6.5	
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)		A		4.6 / 9.7 / 24.0		2.1 / 9.5 / 18.0		3.7 / 10.5 / 24.0		3.7 / 15.5 / 24.0		4.6 / 17.8 / 24.0	
		Heating (Min. / Std. / Max.)				3.0 / 10.3 / 24.0		2.1 / 9.5 / 18.0		3.5 / 11.5 / 24.0		3.5 / 16.0 / 24.0		4.0 / 18.7 / 28.0	
Circuit Breaker (MCCB+ELB / ELCB)		A		30		30		30		30		30		30	
COP	Nominal Cooling		-		4.52		3.80		4.20		3.60		3.50		
	Nominal Heating		-		4.80		4.10		4.50		3.90		3.90		
Piping Connections	Liquid Pipe		Ø, mm		9.52 x 1		6.35 x 1		9.52 x 1		9.52 x 1		9.52 x 1		
	Gas Pipe		Ø, mm		15.88 x 1		15.88 x 1		15.88 x 1		15.88 x 1		15.88 x 1		
	Installation Limitation		Max. Length (Outdoor to indoor)		m		75.0		50.0		75.0		75.0		
			Max. Height (Between ID/OD)		m		30.0		30.0		30.0		30.0		
Refrigerant	Type		-		R410A		R410A		R410A		R410A		R410A		
	Factory Charging		kg		3.8		1.8		3.4		3.4		3.8		
INDOOR UNIT															
Power Supply		Ø, #, V, Hz		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50			
Fan	Air Flow Rate		CMM		32.0		22.5		30.0		30.0		32.0		
	External Static Pressure		Min. / Std. / Max.		mmAq		-		-		-		-		
		Pa		-		-		-		-		-			
Drain	Drain Pipe		Ø,mm		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		
Sound	Sound Pressure		High / Low		dB(A)		45/32		36/28		44/36		45/38		
External Dimension	Net Weight		kg		21		17		21		21		21		
	Shipping Weight		kg		26		22		26		26		26		
	Net Dimensions (WxHxD)		mm		840 x 288 x 840		840 x 246 x 840		840 x 288 x 840		840 x 288 x 840		840 x 288 x 840		
	Shipping Dimensions (WxHxD)		mm		898 x 357 x 898		898 x 316 x 898		898 x 357 x 898		898 x 357 x 898		898 x 357 x 898		
Panel Size	Panel model		-		PC4NUSKA		PC4NUSKA		PC4NUSKA		PC4NUSKA		PC4NUSKA		
	Panel Net Weight		kg		5.9		5.9		5.9		5.9		5.9		
	Shipping Weight		kg		8.4		8.4		8.4		8.4		8.4		
	Net Dimensions (WxHxD)		mm		950 x 45 x 950		950 x 45 x 950		950 x 45 x 950		950 x 45 x 950		950 x 45 x 950		
	Shipping Dimensions (WxHxD)		mm		1005 x 100 x 1005		1005 x 100 x 1005		1005 x 100 x 1005		1005 x 100 x 1005		1005 x 100 x 1005		
Additional Accessories	Drain pump		Drain pump		-		Built-in		Built-in		Built-in		Built-in		
			Max. lifting Height / Displacement		mm / liter/h		750 / 24		750 / 24		750 / 24		750 / 24		
	Air Filter		-		-		Long life filter		Long life filter		Long life filter		Long life filter		
OUTDOOR UNIT															
Power Supply		Ø, #, V, Hz		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50		1, 2, 220~240, 50			
Sound	Sound Pressure		dB(A)		49		49		49		51		51		
External Dimension	Net Weight		kg		98		50		88		88		98		
	Shipping Weight		kg		108		55		98		98		108		
	Net Dimensions (WxHxD)		mm		940 x 1420 x 330		880 x 798 x 310		940 x 1210 x 330		940 x 1420 x 330		940 x 1420 x 330		
	Shipping Dimensions (WxHxD)		mm		995 x 1548 x 426		1023 x 861 x 406		995 x 1338 x 426		995 x 1338 x 426		995 x 1548 x 426		
Operating Temp. Range	Cooling		°C		-15 ~ 50		-5 ~ 46		-15 ~ 50		-15 ~ 50		-15 ~ 50		
	Heating		°C		-20 ~ 24		-15 ~ 24		-20 ~ 24		-20 ~ 24		-20 ~ 24		

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

- Panel



PC4NUSKA



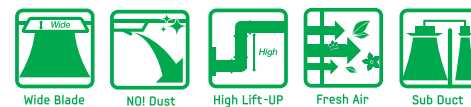
PC4NUSKE

CAC Specification - Indoor Units (R410A | Heat Pump)



4Way Cassette

- Stylish Panel Design
- Efficient Cooling
- New Turbo Fan
- Easy Leveling



Indoor Unit				CH070EAV1	CH090EAV	CH105EAV	CH140EAV	
Outdoor Unit				UH070EAV1	UH090EAV	UH105EAV	UH140EAV	
Mode				-	Heat Pump	Heat Pump	Heat Pump	
Performance	Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW	2.1 / 7.1 / 8.2	2.9 / 9.4 / 10.4	3.2 / 10.5 / 12.0	3.8 / 14.0 / 15.4	
			Btu/h	7,200 / 24,200 / 28,000	9,900 / 32,100 / 35,300	10,900 / 35,800 / 40,900	13,000 / 47,800 / 52,500	
		Heating (Min. / Std. / Max.)	kW	2.0 / 8.0 / 11.3	2.4 / 11.0 / 13.4	2.6 / 11.2 / 15.5	3.5 / 16.0 / 19.5	
			Btu/h	6,800 / 27,300 / 38,600	8,200 / 37,500 / 45,700	8,900 / 38,200 / 52,900	11,800 / 54,600 / 66,500	
Energy Grade (C) / Energy Grade (H)				-	A / A	A / A	B / B	
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	kW	0.51 / 2.12 / 2.7	0.7 / 2.93 / 3.4	0.7 / 3.27 / 3.8	0.9 / 4.65 / 5.4	
		Heating (Min. / Std. / Max.)		0.51 / 2.19 / 3.8	0.58 / 3.05 / 5.5	0.58 / 3.1 / 5.6	0.75 / 4.69 / 6.4	
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	2.8 / 9.7 / 12.1	3.0 / 13.0 / 15.0	3.0 / 15.0 / 16.5	4.0 / 20.0 / 23.5	
		Heating (Min. / Std. / Max.)		2.6 / 10.0 / 16.9	2.5 / 13.5 / 24.5	2.6 / 13.8 / 25	3.3 / 20.5 / 27.5	
Circuit Breaker (MCCB+ELB / ELCB)				A	25	30	40	
COP	Nominal Cooling			-	3.35	3.21	3.01	
	Nominal Heating			-	3.65	3.61	3.41	
Piping Connections	Liquid Pipe			Ø, mm	6.35 x 1	9.52 x 1	9.52 x 1	
	Gas Pipe			Ø, mm	15.88 x 1	15.88 x 1	19.05 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)			m	50.0	75.0	75.0
		Max. Height (Between ID/OD)			m	30.0	30.0	30.0
Refrigerant	Type			-	R410a	0	0	
	Factory Charging			kg	1.9	2.6	2.8	
INDOOR UNIT								
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
Fan	Air Flow Rate			CMM	24.0	24.0	28.0	
	External Static Pressure	Min. / Std. / Max.	mmAq	-	-	-	-	
			Pa	-	-	-	-	
Drain	Drain Pipe			Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Sound	Sound Pressure			dB(A)	39 / 32	39 / 32	40 / 33	
External Dimension	Net Weight			kg	29	29	29	
	Shipping Weight			kg	35	35	35	
	Net Dimensions (WxHxD)			mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	
	Shipping Dimensions (WxHxD)			mm	926 x 360 x 926	926 x 360 x 926	926 x 360 x 926	
Panel Size	Panel model			-	P4SMA	P4SMA	P4SMA	
	Panel Net Weight			kg	7	7	7	
	Shipping Weight			kg	10.3	10.3	10.3	
	Net Dimensions (WxHxD)			mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	
	Shipping Dimensions (WxHxD)			mm	1042 x 103 x 1042	1042 x 103 x 1042	1042 x 103 x 1042	
Additional Accessories	Drain pump	Drain pump	-	Built-in	Built-in	Built-in	Built-in	
		Max. lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	750 / 24	
Air Filter				-				
OUTDOOR UNIT								
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
Sound	Sound Pressure			dB(A)	50	52	53	
External Dimension	Net Weight			kg	57	95	105	
	Shipping Weight			kg	61	110	120	
	Net Dimensions (WxHxD)			mm	880 x 798 x 310	932 x 1128 x 375	932 x 1128 x 375	
	Shipping Dimensions (WxHxD)			mm	1038 x 861 x 413	1091 x 1286 x 472	1091 x 1286 x 472	
Operating Temp. Range	Cooling			°C	-15 ~ 43	-15 ~ 50	-15 ~ 50	
	Heating			°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	

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Optional Accessories

■ Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

■ Panel



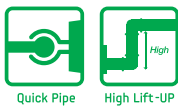
PC095MCS / PC095MC1S
PC095MC2S / PC095MC3S

CAC Specification - Indoor Units (R410A | Heat Pump)



Mini 4Way Cassette

- Ideal Compact Size
- Fan Speed Adjustment



Indoor Unit				TH060EAV1	
Outdoor Unit				UH060EAV1	
Mode				Heat Pump	
Performance	Capacity (Nominal)	Cooling (Min. / Std. / Max.)	kW	1.8 / 5.8 / 6.5	
			Btu/h	6,100 / 19,800 / 22,200	
		Heating (Min. / Std. / Max.)	kW	1.8 / 7.0 / 10.0	
			Btu/h	6,100 / 23,900 / 34,100	
	Energy Grade (C) / Energy Grade (H)			-	B / C
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	kW	0.55 / 1.93 / 2.1	
		Heating (Min. / Std. / Max.)		0.51 / 2.18 / 3.7	
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	2.7 / 8.8 / 9.4	
		Heating (Min. / Std. / Max.)		2.6 / 10.5 / 16.6	
	Circuit Breaker (MCCB+ELB / ELCB)			A	20
COP	Nominal Cooling		-	3.01	
	Nominal Heating		-	3.21	
Piping Connections	Liquid Pipe		Ø, mm	6.35 x 1	
	Gas Pipe		Ø, mm	15.88 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	50.0	
		Max. Height (Between ID/OD)	m	30.0	
Refrigerant	Type		-	R410A	
	Factory Charging		kg	1.5	
INDOOR UNIT					
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	
Fan	Air Flow Rate		CMM	13.6	
	External Static Pressure	Min. / Std. / Max.	mmAq	-	
			Pa	-	
Drain	Drain Pipe		Ø,mm	VP25 (OD 32,ID 25)	
Sound	Sound Pressure		High / Low	dB(A)	
External Dimension	Net Weight		kg	41 / 33	
	Shipping Weight		kg	17	
	Net Dimensions (WxHxD)		mm	20	
	Shipping Dimensions (WxHxD)		mm	575 x 260 x 575	
Panel Size	Shipping Dimensions (WxHxD)		mm	660 x 310 x 635	
	Panel model		-	PMSMA	
	Panel Net Weight		kg	3	
	Shipping Weight		kg	5	
	Net Dimensions (WxHxD)		mm	670 x 35 x 670	
Additional Accessories	Shipping Dimensions (WxHxD)		mm	717 x 93 x 717	
	Drain pump	Drain pump	-	Built-in	
		Max. lifting Height / Displacement	mm / liter/h	750 / 24	
Air Filter			-	Long life filter	
OUTDOOR UNIT					
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	
Sound	Sound Pressure		dB(A)	52	
External Dimension	Net Weight		kg	57	
	Shipping Weight		kg	61	
	Net Dimensions (WxHxD)		mm	880 x 798 x 310	
	Shipping Dimensions (WxHxD)		mm	1038 x 861 x 413	
Operating Temp. Range	Cooling		°C	-15 ~ 43	
	Heating		°C	-20 ~ 24	

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Optional Accessories

- Individual Controllers



MWR-WH00



MWR-WH00



MWR-SH00



MR-DH00

- Panel



PMSMA