

SAMSUNG

AIR CONDITIONING SOLUTIONS

HONG KONG

SAMSUNG

Samsung Electronics H.K. Co., Ltd.

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Samsung

Moving with, and ahead of, our customers

Samsung Air Conditioning

Samsung has been manufacturing air conditioning systems for almost 40 years, utilizing the latest technology and striving to produce the most innovative, efficient and reliable systems on the market today.

At Samsung Electronics, we're committed to helping our customers, partners and employees discover new experiences and possibilities. Across all our businesses, we're inspired by the changing world around us to create new technologies for consumers. From products that are designed to keep pace with how we live our lives to the core components that make it all possible.

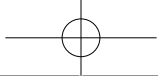
This guide has been produced to assist in the selection of the most suitable equipment for today's commercial projects, from Samsung's comprehensive portfolio of 2 and 3-pipe air and water cooled systems, extensive range of indoor unit designs and variety of control options.

Samsung air conditioning has been specified and installed in a wide range of projects and applications in conjunction with other products from the Samsung Electronics product portfolio, including hotel TVs, display screens, CCTV, security systems, wireless networks, mobile devices and Smart Home.

Overseas Industry Leaders – Global Network

Samsung has strong business foundations in more than 75 countries. Through the diverse views and talents of its employees, Samsung can understand and adapt to markets, wherever they operate.





SAMSUNG

SEGMENTATION ON THE CONTENT



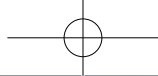
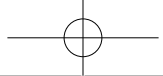


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COMPASS SKYVIEW HOTEL

Bangkok, Thailand

INDOOR

1Way Cassette : 328 Units

2Way Cassette : 43 Units

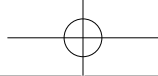
4Way Cassette : 22 Units

Duct : 72 Units

Wall Mount : 1 Unit

OUTDOOR

DVM S : 67 Units

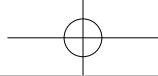


Samsung
System Air Conditioner

VRF (DVM S)

Digital Variable Multi

DVMS OUTDOOR UNITS



DVM S



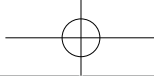
TOPTANI SHOPPING MALL Tirana Albania

INDOOR




360 Cassette : 38 Units
4Way Cassette : 75 Units
Mini 4Way Cassette : 26 Units
1 Way Cassette : 1 Unit
Console : 10 Units
Duct : 171 Units

OUTDOOR

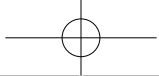
DVM S HR : 57 Units
DVM S : 33 Units (Total 2,616HP)



STANDARD COMBINATION

System Model																		
Module	Single	No. of Modules	Capacity of Single Unit (HP)															
			8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP	22 HP	24 HP	26 HP	28 HP	30 HP				
8 HP	AM080JVAGH/EU	1	1															
10 HP	AM100JVAGH/EU	1		1														
12 HP	AM120JVAGH/EU	1			1													
14 HP	AM140KXVAGH/EU	1				1												
16 HP	AM160KXVAGH/EU	1					1											
18 HP	AM180KXVAGH/EU	1						1										
20 HP	AM200KXVAGH/EU	1							1									
22 HP	AM220KXVAGH/EU	1								1								
24 HP	AM240KXVAGH/EU	1									1							
26 HP	AM260KXVAGH/EU	1										1						
28 HP	AM280KXVAGH/EU	1											1					
30 HP	AM300KXVAGH/EU	1															1	
32 HP	AM320KXVAGH/EU	2		1							1							
34 HP	AM340KXVAGH/EU	2			1						1							
36 HP	AM360KXVAGH/EU	2				1					1							
38 HP	AM380KXVAGH/EU	2					1				1							
40 HP	AM400KXVAGH/EU	2						1			1							
42 HP	AM420KXVAGH/EU	2							1		1							
44 HP	AM440KXVAGH/EU	2									2							
46 HP	AM460KXVAGH/EU	2						1										1
48 HP	AM480KXVAGH/EU	2							1									1
50 HP	AM500KXVAGH/EU	2							1									1
52 HP	AM520KXVAGH/EU	2									1							1
54 HP	AM540KXVAGH/EU	2										1						1
56 HP	AM560KXVAGH/EU	2											1					1
58 HP	AM580KXVAGH/EU	2													1			1
60 HP	AM600KXVAGH/EU	2																2
62 HP	AM620KXVAGH/EU	3		1								1						1
64 HP	AM640KXVAGH/EU	3			1							1						1
66 HP	AM660KXVAGH/EU	3				1						1						1
68 HP	AM680KXVAGH/EU	3					1					1						1
70 HP	AM700KXVAGH/EU	3						1				1						1
72 HP	AM720KXVAGH/EU	3							1			1						1
74 HP	AM740KXVAGH/EU	3										2						1
76 HP	AM760KXVAGH/EU	3										1	1					1
78 HP	AM780KXVAGH/EU	3										1		1				1
80 HP	AM800KXVAGH/EU	3										1			1			1
82 HP	AM820KXVAGH/EU	3										1						2
84 HP	AM840KXVAGH/EU	3											1					2
86 HP	AM860KXVAGH/EU	3											1					2
88 HP	AM880KXVAGH/EU	3													1			2
90 HP	AM900KXVAGH/EU	3																3

DVMS OUTDOOR UNITS



DVMS OUTDOOR UNITS



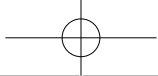
THAI WATSADU Bangkok, Thailand

INDOOR

Air Handling Unit : 108 Units

OUTDOOR

DVM S : 36 Units)



DVM S

THE WORLD'S FIRST LARGEST CAPACITY



DVM S OUTDOOR UNITS

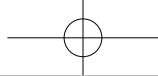
Comfort with solutions designed for superior efficiency and manageability

Variable refrigerant flow (VRF) systems are a smart solution for commercial and large residential buildings that demand higher efficiency, individualized control and installation flexibility. Advanced heat recovery combines heating, cooling and ventilation processes for increased energy efficiency and lower operating costs. In addition, VRF technology supports zone control, enabling users to adjust individual climate settings to suit their personal comfort preferences. And with copper piping that's typically longer than traditional direct expansion (DX) systems, VRF units increase design flexibility for more creative installations.

Samsung's VRF system air conditioners offer instant temperature control, user-friendly installation and advanced functionality, along with smart power usage. Our flagship VRF-based Samsung DVM S is a highly innovative system that adopts the new third-generation Samsung Scroll Compressor (SSC) technology. With its Dual Digital Inverter, DVM S provides world-class energy efficiency and the most powerful cooling and heating performance available on the market. This air conditioning system is ideal for various environments, including large commercial and residential buildings.

The Samsung DVM S system air conditioner delivers optimal comfort, efficiency and performance with features such as:

- **30 HP SINGLE MODULE CAPACITY.** Experience the ultimate heating and cooling capacity while optimizing space with efficient design.
- **Improved heating performance.** Enhance airflow with smarter, more efficient heating technology in cold weather environments.
- **High energy efficiency.** Decrease energy consumption and costs with a dual inverter system featuring simultaneous compressor operation for higher performance.
- **Flexible installation.** Ease installation and reduce labor costs with a lightweight design, extended piping length, and elevation support.
- **Year-round climate control.** Enjoy a comfortable environment even in extreme climates with advanced temperature control and rapid cooling and heating.
- **Smart management.** Monitor system performance effectively with convenient web-based data access and management from anywhere.
- **Reliable performance and durability.** Ensure dependable cooling and heating for all conditions with weather-proofing and corrosion resistance.



DVM S

THE MOST COMPACT 30 HP SINGLE MODULE



THE WORLD'S FIRST LARGEST CAPACITY

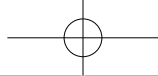
Samsung DVM S 30HP is one of the largest and most compact single module VRF system. It is also powerful and highly energy efficient. So you can save costs and space, while providing more reliable coverage across larger areas.

* Based on internal benchmark studies as at September 2015.

More choice of capacity, even less cost

As a single unit, it offers a wide range of capacities from 8HP to 30HP. It's the world's first system to offer a single 30HP unit, so you can reduce the installation and management costs and save valuable space.





DVM S

CONVENIENTLY SIZED DESIGN

Maximize heating and cooling capacity with a conveniently sized design

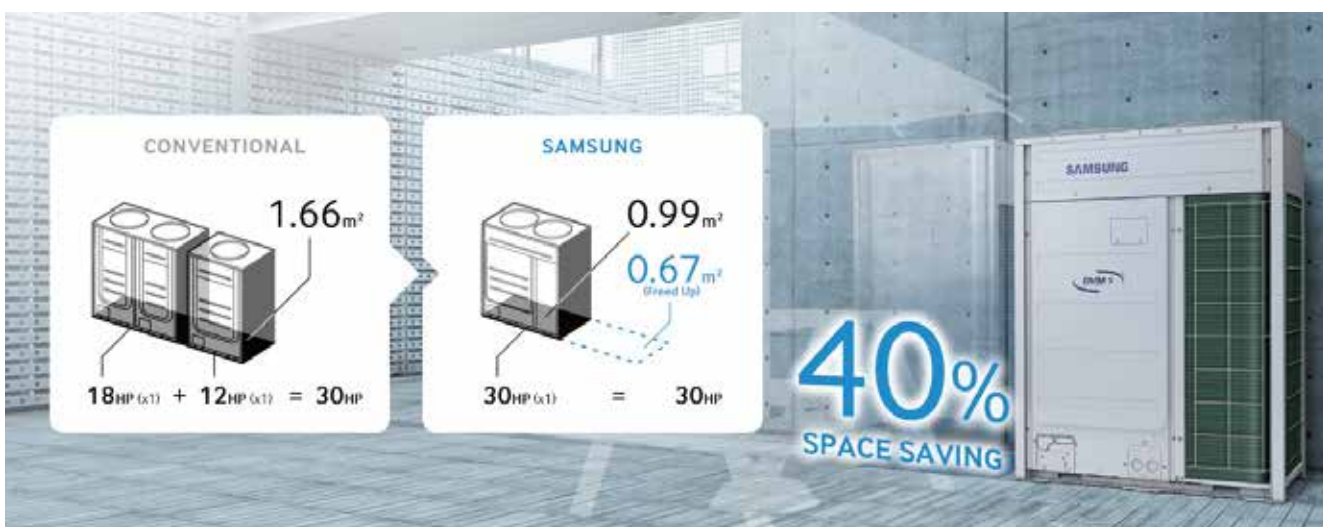
To maximize profitability and value, an efficient use of space is critical for any business. Samsung DVM S provides the world's largest heating and cooling capacity without increasing its size enabling businesses to use their space more efficiently.



DVM S OUTDOOR UNITS

More usable space - no compromise

Its compact size leaves you plenty of extra space that can be used for other purposes without compromising on performance thanks to its highly efficient Inverter Scroll Compressor and Hybrid heat exchanger.

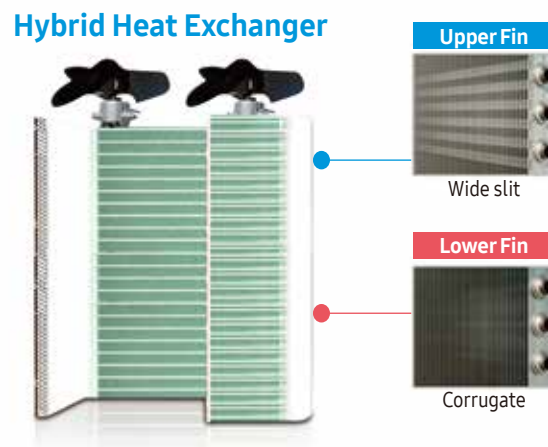


DVM S

SMART EFFICIENCY

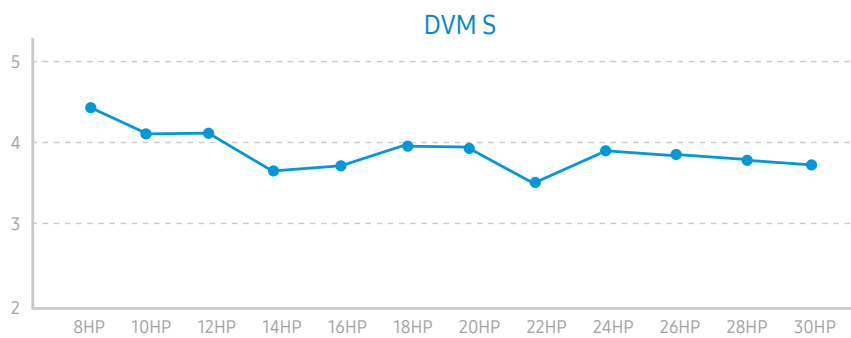
Excellent cooling performance and high energy efficiency

Samsung has included a highly efficient inverter scroll compressor - the world's largest 80 cc / rev compressor in its 30HP system. The addition of an innovative hybrid heat exchanger increases the heat exchange area while an optimised refrigerant control delivers greater efficiency. The new oval-shaped diffuser application increases the airflow path and increases the airflow rate to deliver excellent cooling performance.



Energy efficiency ratio (EER)

DVM S has achieved superior EER which far surpasses Samsung conventional systems EER at all ranges. On average, DVM S boasts 13%* higher EER than Samsung conventional systems.



Class leading energy

DVM S has achieved a class-leading Coefficient of Performance (COP) of up to 4.49* by adopting an inverter compressor with vapour injection system. It gives you powerful quick cooling with minimum energy consumption.

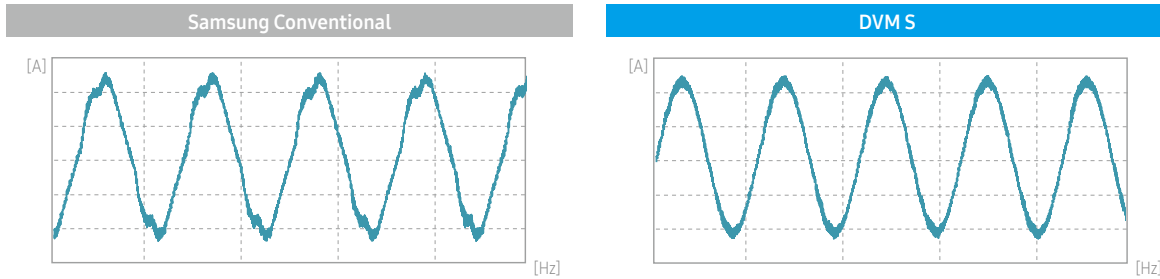


DVM S

SMART EFFICIENCY & SMART MANAGEMENT

Adaptive sine wave control

Adaptive sine wave control can reduce Total Harmonic Distortion (THS). Therefore, DVM S does not need to use shield wiring for communication.



*Based on Samsung's internal test results with comparison of selected Samsung's conventional models. Individual test results may vary.

SMART MANAGEMENT

Samsung provides an easy to use, smart management system that makes life simple. With this web-based system, you can immediately access data and easily manage it for unsurpassed convenience, any time, anywhere.

Auto commissioning and Management (ACM) - Optional

DVM S has a smart, web-based management system that facilitates self-diagnosis, auto commissioning, auto management, and mobile data transmission, which users can easily access and monitor via the web-based tool. It provides easy and convenient management as you can control the system with smart phone and/or tablet.



DVM S

SMART MANAGEMENT

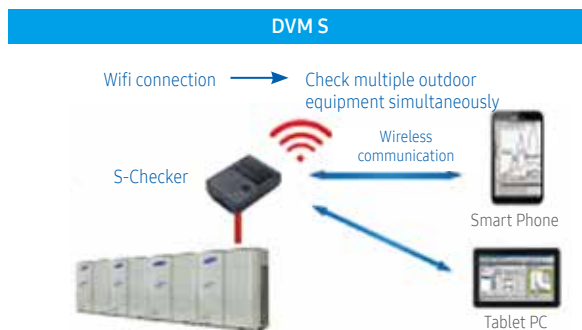
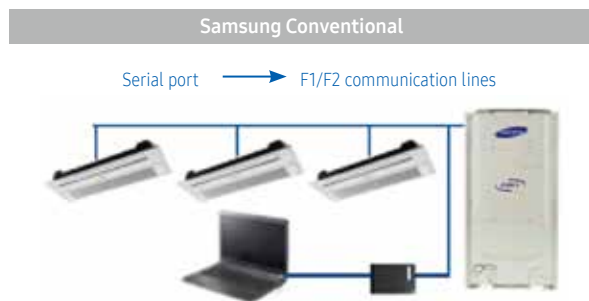
Reduced commissioning time

Thanks to the ACM, the commissioning time for DVM S has shortened considerably down to 50 minutes, and testing results are automatically stored and reported.



WiFi Monitoring System - Optional

With Samsung S-checker device, you can easily and conveniently monitor the DVM S through smart device such as smart phone or tablet. With self-diagnosis mode, DVM S automatically monitors its operation status and displays an error code in response to signs of abnormal operation. Users can then identify and address the issue promptly.



DVM S

IMPROVED HEATING PERFORMANCE AND HIGH ENERGY EFFICIENCY

Easy access

Thanks to the small opening on the outdoor unit, checking the outdoor status and setting option is easy, because users don't need to remove the entire front cover.



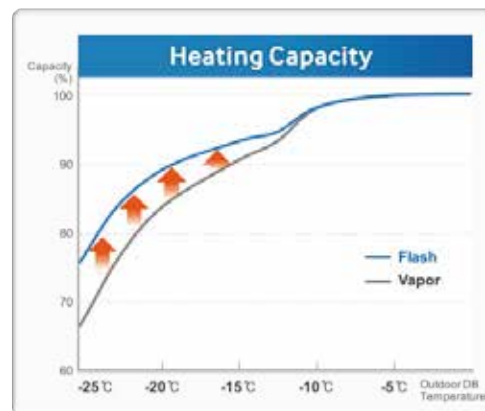
DVM S OUTDOOR UNITS

Enhance temperature control with more intelligent and efficient heating operation

With three improved features, DVM S ensures fresh airflow for increased comfort. Enhanced flash injection delivers reliable heating and lower temperatures, while more intelligent defrost and snow detection offer more precise operation, saving valuable energy and expenses.

Improved flash injection

Featuring advanced refrigerant control technology, Samsung's flash injection extends heating operation range at -25°C by increasing ref. flow by 32%. And at even lower temperatures, it continues to perform, delivering reliable comfort in frigid conditions.



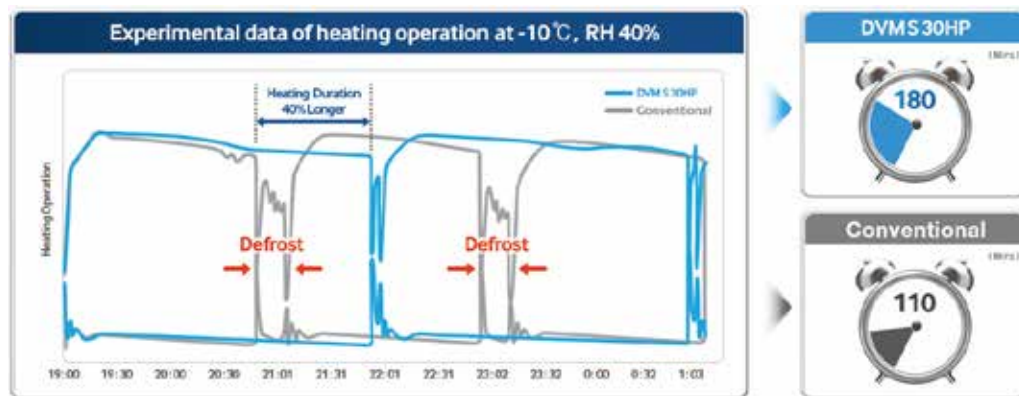
* 10HP, '15Y High EER vs '14Y Standard

DVMS

IMPROVED HEATING PERFORMANCE AND HIGH ENERGY EFFICIENCY

Intelligent defrost

DVMS features new frost detection that provides continuous heating time and improved efficiency. The system considers not only conventional factors but also air resistance to intelligently judge the defrost operation. Precise defrost judgment avoids unnecessary defrosting thanks to the partial load and lower ambient temperature operation. Ultimately, users can enjoy less energy waste and more continuous heating time.

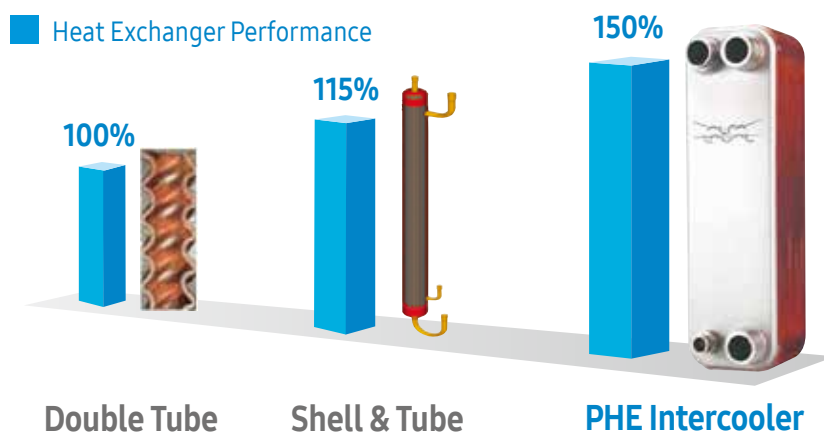


Maintain optimal comfort and control with energy and cost-efficient technologies

Samsung DVMS features several smart technologies that combine to deliver world-class energy efficiency and economy.

Reduce maintenance and energy costs with intercoolers

DVMS features a PHE type intercooler, which improves cooling and heating efficiency by 30 percent compared to Shell & Tube and Double Tube type intercoolers. The higher heat exchange rate means optimal distribution, lowering maintenance and energy costs.

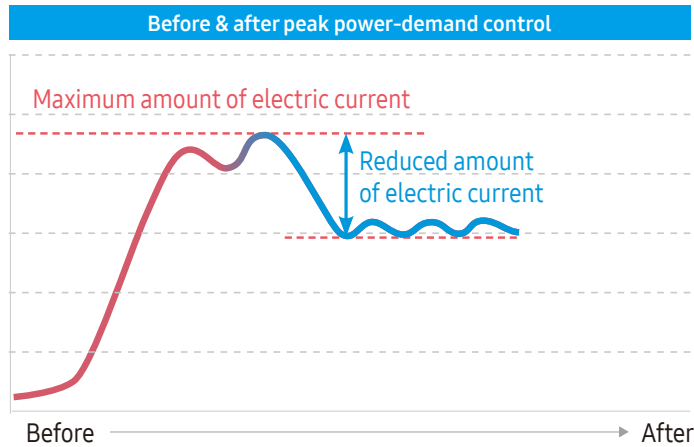


DVM S

FLEXIBLE INSTALLATION

Limit power consumption with peak-demand control

To help businesses manage better power consumption and related costs better, DVM S offers power-demand control for peak hours and seasons. This is especially useful when the electrical supply is insufficient or when businesses want to block excessive and wasteful energy usage.

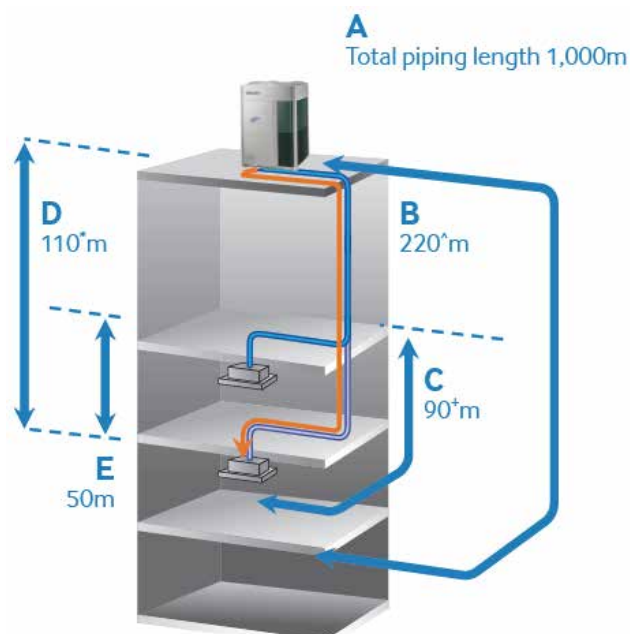


Reduce expenses with installation designed to be easy and flexible

The simplified yet powerful design of the DVM S unit eases the installation process. Non-polar communication between indoor and outdoor units promotes easier and safer wiring work, because the outdoor unit protects itself if the communication cable is mistakenly connected to a power terminal.

Flexible installation

DVM S provides extended piping length of up to 220m (721.79 ft.) and installation height of up to 110m (360.89 ft.), offering businesses more installation options. Individual indoor units also perform capacity connection control and automatic refrigerant equalisation for more balanced performance.



	Piping (m)
A Total Piping Length	1,000
B ODU to Farthest IDU	200 (200)^
C First Branch Joint to Farthest IDU	90+
D Level Difference between ODU & IDU	110* (40)^
E Level Difference between IDU & IDU	50

Above piping length is for 8HP (top throw) to 90HP models.

* When IDU is located at the lower level than ODU and the height difference is over 50m, you need to install PDM kit.

+ Required conditions must be satisfied. Please refer to Samsung Technical Data Book for more information.

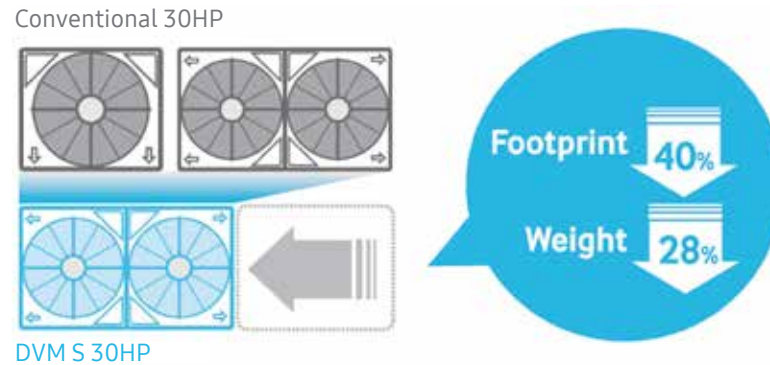
^ IDU is located at higher level than ODU.

DVM S

FLEXIBLE INSTALLATION

Smaller footprint and lighter weight

The large unit capacity (30HP) facilitates the economical installation with a smaller footprint and lighter weight, making it the perfect fit for buildings with space constraints.

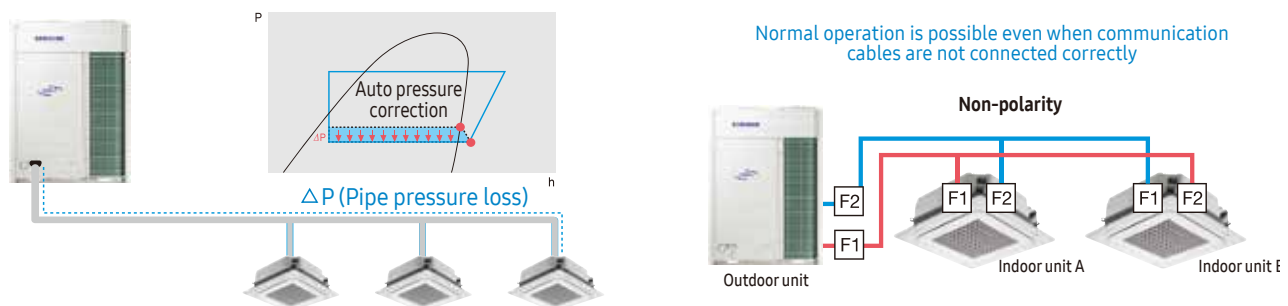


Easy and safe wiring

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

Optimized refrigerant distribution control

DVM S compensates for the long piping distance between outdoor units and indoor units by providing balanced refrigerant distribution. The individual indoor units perform capacity connection control and automatic refrigerant balancing to ensure balanced performance between the units.



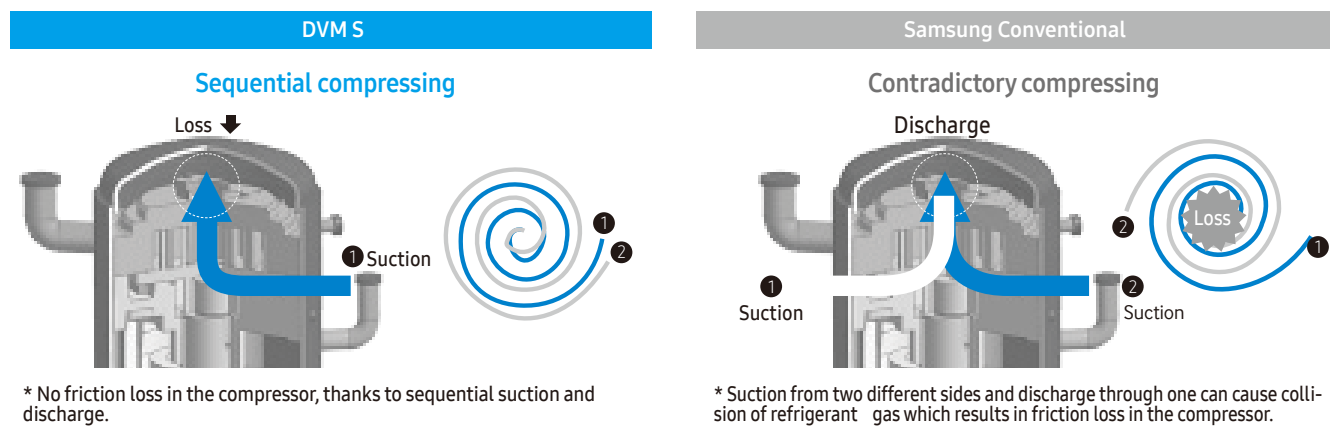
DVM S

CORE TECHNOLOGY

Samsung is dedicated to supporting comfortable living and working environments based on the strength of its technologies. With its robust design, DVM S delivers the reliability and durability that users need to ensure consistent performance at all times.

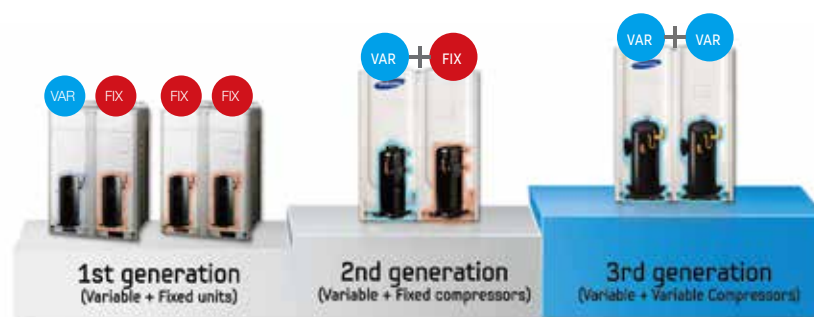
Asymmetric Scroll Design

Applying fluid dynamic design, DVM S minimises compression loss during the compression of refrigerant for maximum performance.



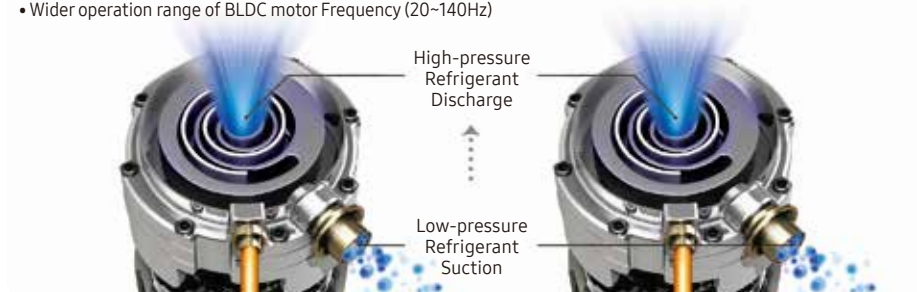
Dual Smart Inverter (DSI) System

The 3rd generation innovative system, Dual Smart System, adopts a dual inverter compressor system that improves refrigerant flow and the motor's operating performance. Both compressors operate simultaneously, provide balanced oil distribution for quick cooling and heating, and improve energy efficiency. The upgraded vapour injection system increases refrigerant flow by 20% compared to Samsung conventional products.



DDI System

- Dual Digital Inverter Compressor • 3rd Generation Vapor Injection
- Wider operation range of BLDC motor Frequency (20~140Hz)

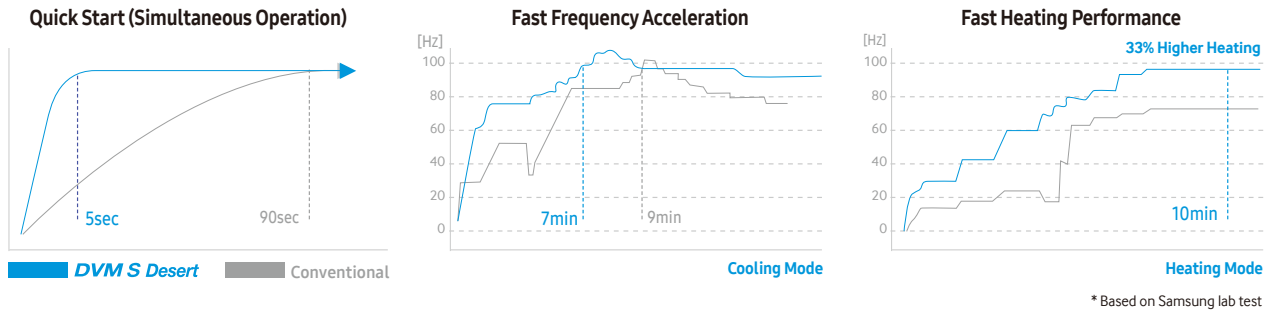


DVM S

CORE TECHNOLOGY & SMART OPERATION

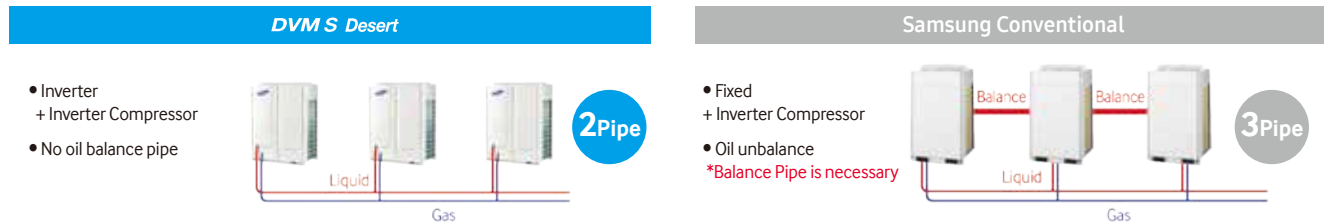
Quick Cooling and Heating

With compressor speed acceleration and simultaneous starting, DVM S provides quick cooling and heating performance.



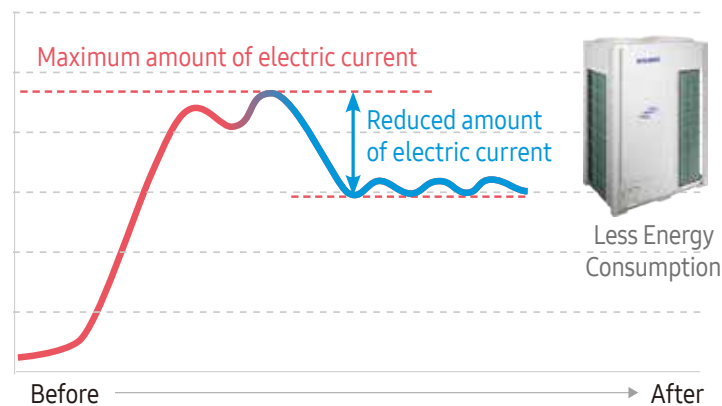
Auto Oil Balancing

Samsung DVM S ensures stable and equal oil balancing without requiring an extra oil balancing pipe.



Peak power-demand control

To help businesses better manage power consumption and related costs, DVM S can control peak current and power consumption. This is especially useful when electric supply is not enough or when you want to block excessive energy usage.

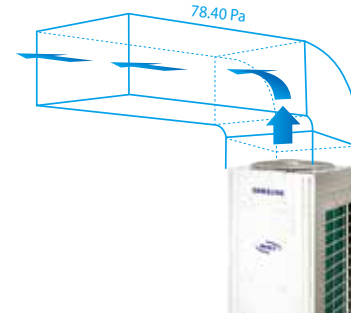


DVM S

SMART OPERATION

High external static pressure

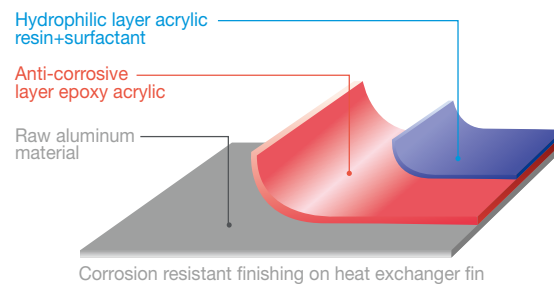
To properly deal with unexpected and varying installation conditions, DVM S is designed to manage high external static pressures up to 78.40pa.



Corrosion and frost resistance

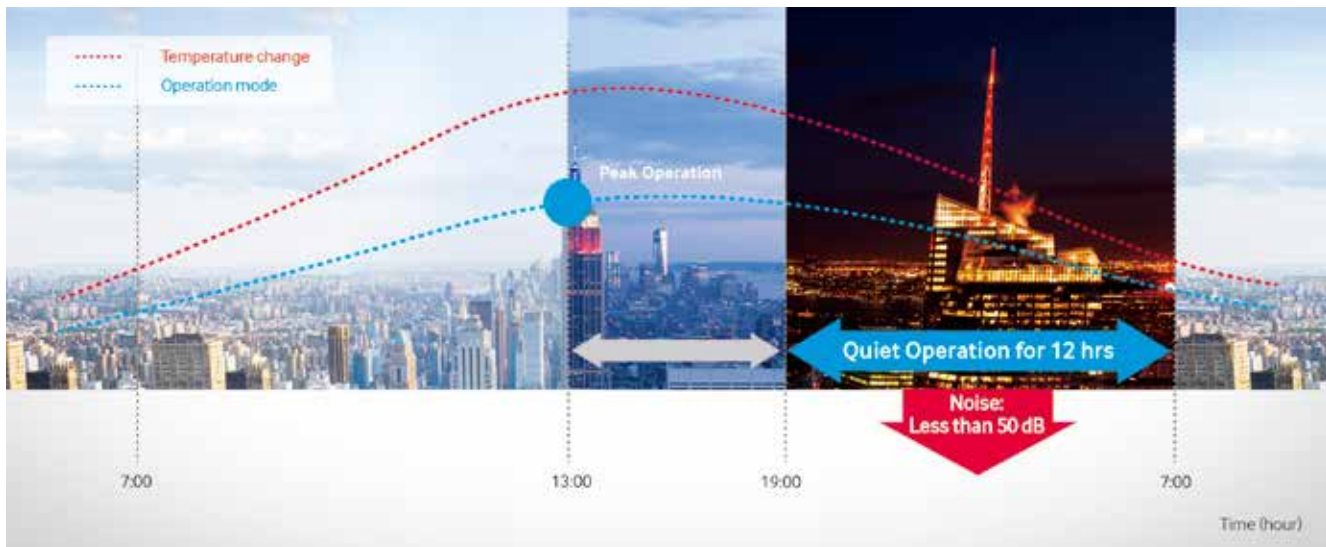
DVM S includes a hydrophilic coating that facilitates efficient heat exchange and delays the onset of frost formation to provide consistent heating performance. An anti-corrosive coating also helps the units to resist corrosion from the elements.

- Corrosion resistant with epoxy acrylic coating
- Implemented corrosion resistant through acrylic+surfactant.



Quiet operation for night time

DVM S has applied an operation control system to the outdoor fans to limit the maximum fan RPM and compressor frequency to reduce noise during the night time. This option operates for 12 hours and reverts back to normal settings in the morning so that residents can relax and rest peacefully with less distraction during the night.



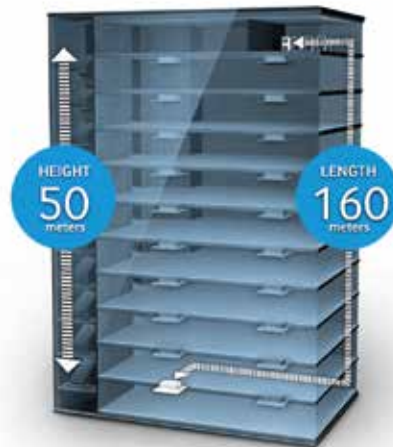
DVM S ECO

The DVM S Eco air conditioning system is a compact, lightweight and efficient outdoor unit that is suitable for a wide range of homes and small businesses. It is available in capacities of 4HP to 14HP, option of Single Phase for 4HP to 6HP.



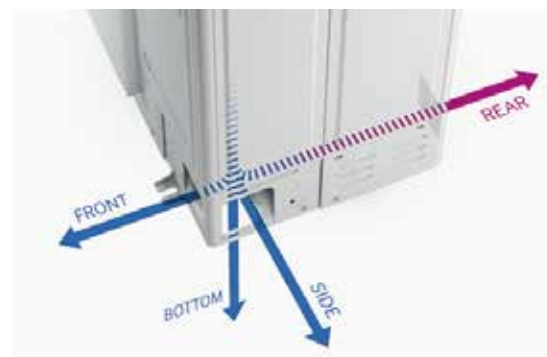
Flexible Piping Design

Thanks to its extended piping length, the DVM S Eco offers maximum flexibility when it comes to deployment. It allows for a level difference of up to 50m between indoor and outdoor units, and a pipe length up to 160m. This generous variation lets businesses customise systems to operate efficiently in a wide range of situations.



Connects more, fits more

The DVM S Eco has a 4 way piping system, with connections at the front, side, bottom, rear, and a 160m piping length, so it fits into many more places, including small and narrow spaces, and is easier to install and maintain.



DVM S ECO

COMPACT DESIGN FOR EXTRA FLEXIBILITY

The most compact air conditioner in its class, making it very easy and economical to install and operate without compromising on performance. It also leaves plenty of extra space that can be used for other purposes.



High Energy Efficiency Performance

Samsung DVM S Eco includes an innovative Digital Inverter Compressor, an optimised heat exchanger with corrugated fins and highly efficient fans that deliver world-class energy efficiency for today's eco and budget-conscious business.



Ultra-quiet operation

By producing less noise than conventional models, the DVM S Eco imposes fewer distractions on residential and working environments. Its compact, unimposing design and specially shaped fan blades help reduce sound levels up to 5 dB compared with Samsung conventional models, creating a more pleasant environment. Plus, its quiet operation during the night time creates a restful environment with a reduced noise level of 2 - 8 dB.



Control your cooling anywhere - Optional

An optional Wi-Fi Kit lets you remotely control indoor units using a smartphone App*. Anytime and anywhere you can turn them on and off, select the operating mode and temperature and utilize other functions.

*Available on iPhones and Android devices. A Wi-Fi connection is required.



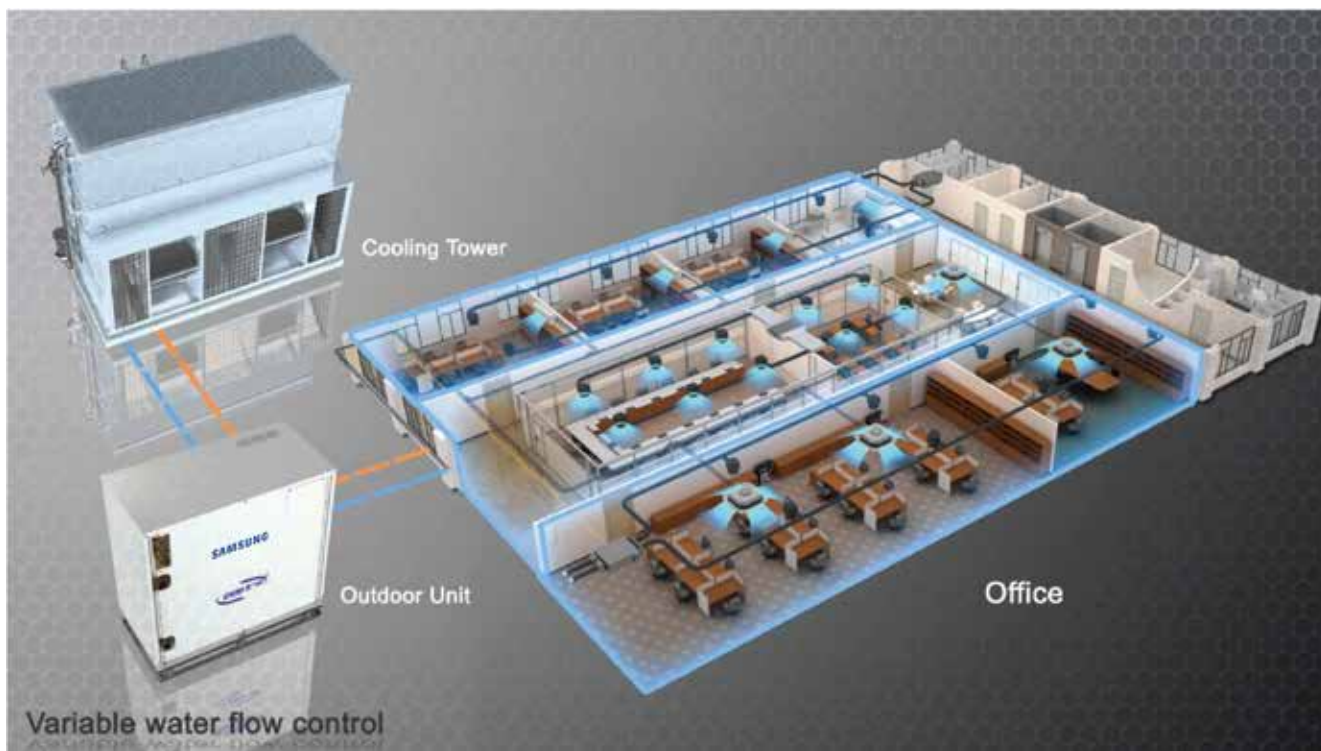
DVM S WATER

Temper the indoor environment with innovative water-based heating and cooling technology

DVM S WATER is a high-capacity outdoor cooling and heating system, ideal for large buildings. Unique to other DVM S models, the DVM S WATER air conditioning system uses water as its heat source, which connects to a cooling tower and boiler. Using a highly efficient compressor and heat exchanger, DVMS WATER provides effective and reliable performance despite changes in the surrounding environment. Its long piping and lightweight design also makes it easy and economical to install almost anywhere.

The Samsung DVM S WATER air conditioner system delivers optimal comfort, efficient and performance with features such as:

- **Increased energy savings.** Save on energy consumption and costs with a dual inverter system and high-performance compressors.
- **Easy and flexible Installation.** Ease installation and minimize effort with a lightweight design, extended piping length and elevation support.
- **Convenient management.** Monitor system performance effectively with convenient web-based data access and management from anywhere.
- **Premium comfort.** Support comfortable living and working environments based on the combined strengths of various technologies.



Enhanced the atmosphere and control costs with high energy efficiency

Samsung DVM S WATER features several smart technologies combine to world-class energy efficiency for today's eco- and budget-conscious businesses. With these technologies, DVM S WATER boasts 8 percent higher EER than conventional models. Plus, its coefficient of performance (COP) also surpasses the competition with an average 11 percent higher rate.

DVM S WATER

Energy-efficient rapid heating and cooling

The third-generation innovative system, DDI, adopts a dual inverter compressor system. Both inverter compressors operate simultaneously, providing compressor longevity and balanced oil distribution for quick cooling and heating to save energy and the environment. Plus, the upgraded vapor injection system increases refrigerant flow by 20 percent compared to conventional products.

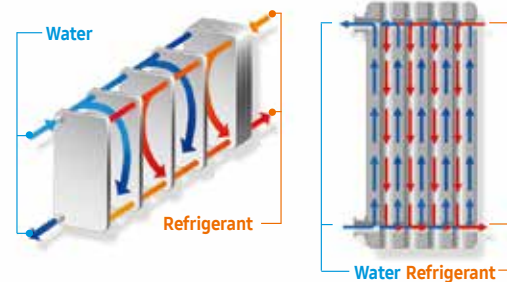
Independent cooling and heating

With the DVM S Water air conditioning system's optional Mode Control Unit (MCU), users can independently operate each indoor unit. This means users can set different temperatures for various spaces at the same time, heating some rooms or areas of the building, while cooling others.



Decreased maintenance and energy costs

DVM S WATER features advanced PHE technology, which improves cooling and heating efficiency, further benefiting the environment while maintenance and energy costs.



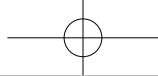
Simplify installation with a cost-saving, adaptable design

The simplified yet powerful design of the DVM S WATER unit eases the installation process. Non-polar communication between indoor and outdoor units promotes easier, safer wiring work, because the outdoor unit protects itself if the communication cable is mistakenly connected to a power terminal.

Economical design and setup

At 22HP, the large-unit capacity of DVM S WATER facilitates economical installation with a smaller footprint and lighter weight – an ideal solution for larger buildings.





DVM S HR

PREMIUM HEAT RECOVERY

Heat environments effortlessly and continuously for ultimate comfort

The DVM S HR (Heat Recovery) model delivers continuous heating performance using innovative rotational defrost for reliable warmth and comfort. In addition, it supports agile operation through simultaneous cooling and heating.

Non-stop heating

DVM S HR can operate continuously in heating mode with rotational defrost operation. Because the heating mode runs for a longer period of time, users can enjoy a warmer and more pleasant environment.

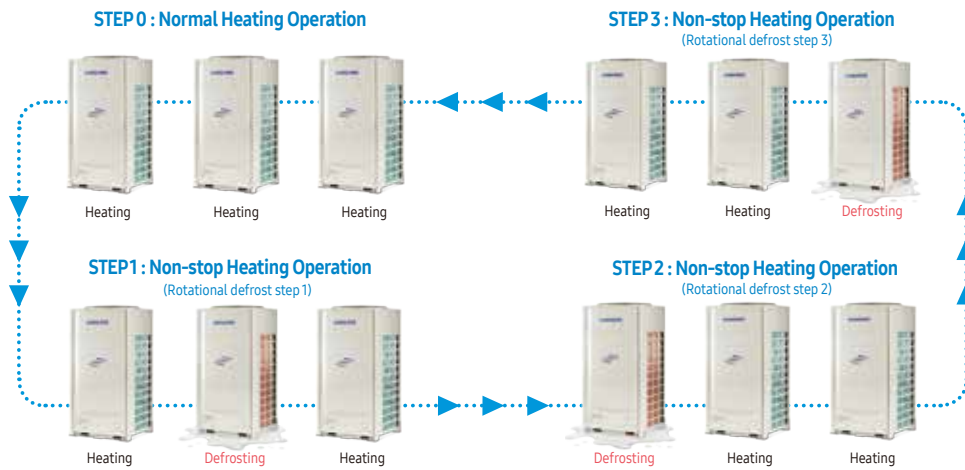


DVM S HR

PREMIUM HEAT RECOVERY

Simultaneous cooling and heating

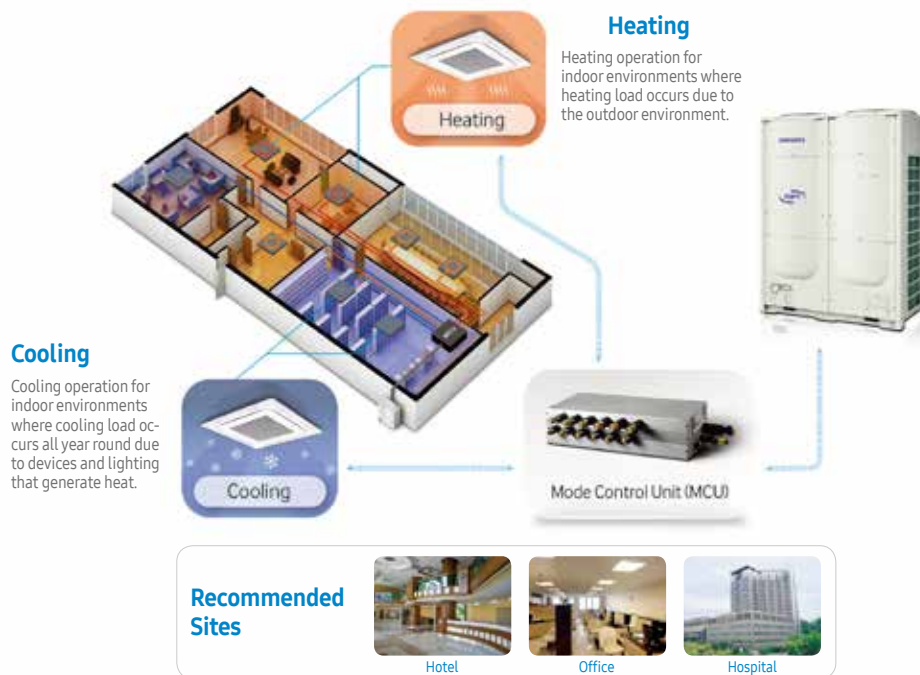
Single outdoor units can operate all indoor units in both cooling and heating mode. They can also simultaneously operate in cooling and heating mode, when necessary, providing more operational freedom.

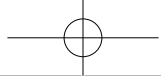


DVM S OUTDOOR UNITS

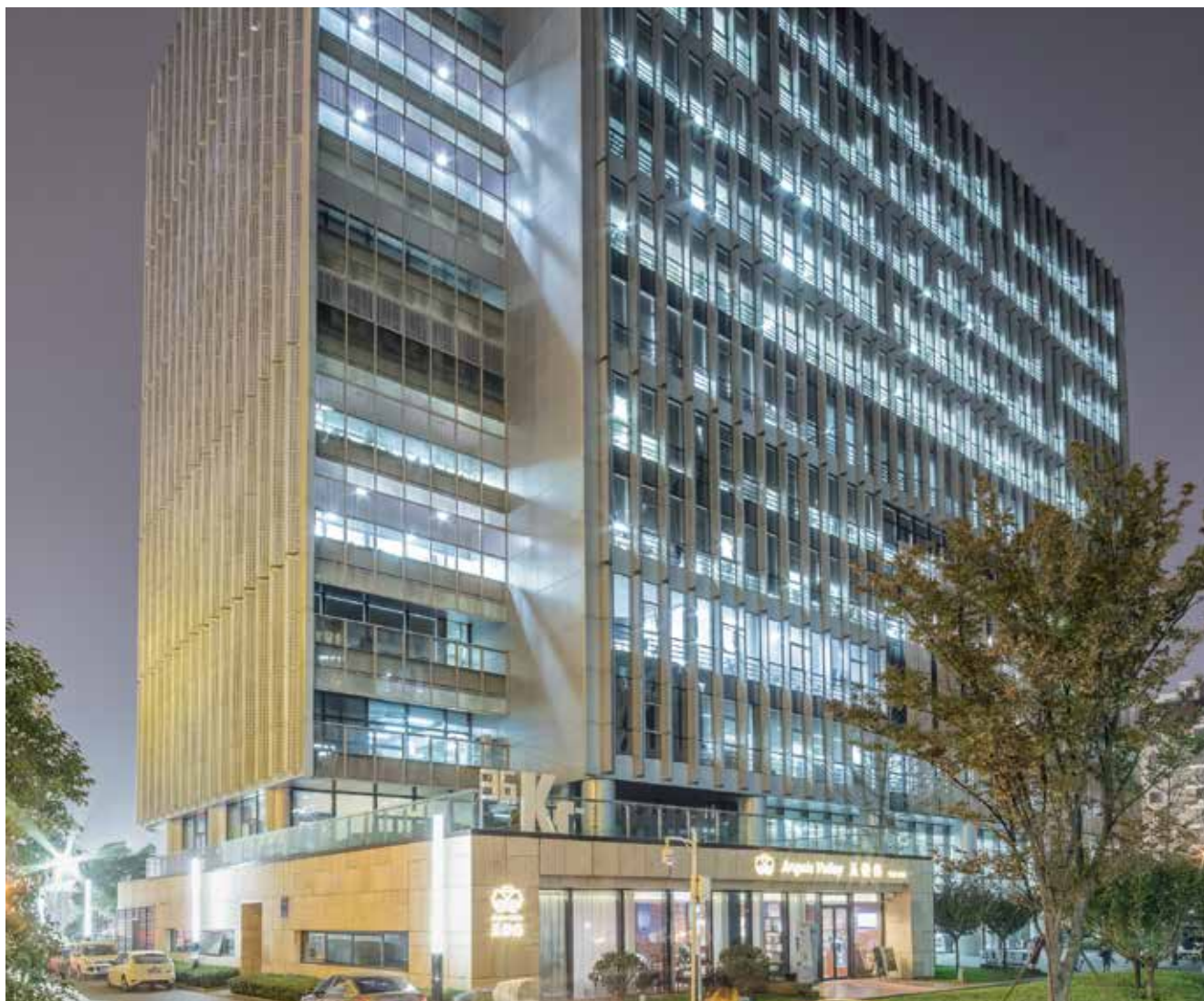
Fine-tuned control

DVM S HR uses a Mode Control Unit (MCU) kit that is less than 32 percent the size of competitors' products. The MCU has an internal on/off valve that enables fine-tuned control via an Electronic Expansion Valve (EEV) and sub-cooler. Improved performance and reduced noise create a pleasant temperature controlled environment.





DVM S SPECIFICATION



ELITE CITY NANJING Nanjing, China

INDOOR

4Way Cassette : 1,628 Units
Duct : 32 Unit

OUTDOOR

DVM S : 93 Units (4,344HP)

DVMS

SPECIFICATION

50Hz
HEAT PUMP



DVMS OUTDOOR UNITS

DVMS HP

Model Code		AM080JXVAGH	AM100JXVAGH	AM120JXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	8	10	12
	Cooling [kW]	22.4	28	33.6
	Cooling [Btu/hr]	76,400	95,500	114,600
	Heating [kW]	25.2	31.5	37.8
	Heating [Btu/hr]	86,000	107,500	129,000
Power Input (Nominal)	Cooling [kW]	5.0	6.85	8.16
	Heating [kW]	5.1	6.65	8.03
Current Input (Nominal)	Cooling [A]	8.0	11.0	13.1
	Heating [A]	8.2	10.7	12.9
	MCA [A]	18.0	21.1	25.0
	MFA [A]	25.0	32.0	32.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	4.48	4.09	4.12
	COP (Nominal Heating) [W/W]	4.94	4.74	4.71
Compressor	Output [kW x n]	5.18 x 1	6.39 x 1	6.39 x 1
	Model Name	DS-GA046FAVADO x 1	DS-GB066FAVB x 1	DS-GB066FAVB x 1
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	830.00	830.00	830.00
	Air Flow Rate [CMM]	170.00	170.00	220.00
	Air Flow Rate [l/s]	2,833.3	2,833.3	3,666.7
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	12.7
	Liquid Pipe [Ø, inch]	3/8	3/8	1/2
	Gas Pipe [Ø, mm]	19.05	22.22	28.58
	Gas Pipe [Ø, inch]	3/4	7/8	1 1/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	5.5	5.5	6.5
Sound	Sound Pressure [dB(A)]	57	58	62
	Sound Power [dB(A)]	77	79	81
External Dimension (Outdoor Unit)	Net Weight [kg]	186	197	210
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVMS

SPECIFICATION

50Hz
HEAT PUMP



DVMS HP

Model Code		AM140KXVAGH	AM160KXVAGH	AM180KXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	14	16	18
	Cooling [kW]	40	45	50.4
	Cooling [Btu/hr]	136,500	153,500	172,000
	Heating [kW]	45	50.4	56.7
	Heating [Btu/hr]	153,500	172,000	193,500
Power Input (Nominal)	Cooling [kW]	10.93	12.1	12.6
	Heating [kW]	10.16	11.61	11.91
Current Input (Nominal)	Cooling [A]	17.5	19.4	20.2
	Heating [A]	16.3	18.6	19.1
	MCA [A]	25.0	32.0	39.2
	MFA [A]	32.0	40.0	50.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.66	3.72	4.00
	COP (Nominal Heating) [W/W]	4.43	4.34	4.76
Compressor	Output [kW x n]	6.39 x 1	7.81 x 1	7.81 x 8
	Model Name	DS-GB066FAVB x 1	DS4GJ5080FVA x 1	DS4GJ5080FVA x 1
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	620 x 2	620 x 2	620 x 2
	Air Flow Rate [CMM]	255.00	255.00	290.00
	Air Flow Rate [l/s]	4,250.0	4,250.0	4,833.3
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	12.7	12.7	15.88
	Liquid Pipe [Ø, inch]	1/2	1/2	5/8
	Gas Pipe [Ø, mm]	28.58	28.58	28.58
	Gas Pipe [Ø, inch]	11/8	11/8	11/8
	Installation Limitation [Max Length]	200	200	200
Refrigerant	Installation Limitation [Max Height]	110	110	110
	Type	R410A	R410A	R410A
Sound	Factory Charging [kg]	7.7	8.4	8.4
	Sound Pressure [dB(A)]	61	63	64
External Dimension (Outdoor Unit)	Sound Power [dB(A)]	81	83	84
	Net Weight [kg]	226	253	255
Operating Temp. Range	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVMS

SPECIFICATION

50Hz
HEAT PUMP



DVMS HP

Model Code		AM200KXVAGH	AM220KXVAGH	AM240KXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	20	22	24
	Cooling [kW]	56	61.6	67.2
	Cooling [Btu/hr]	191,100	210,200	229,300
	Heating [kW]	63	69.3	75.6
	Heating [Btu/hr]	215,000	236,500	258,000
Power Input (Nominal)	Cooling [kW]	14.18	17.35	17.1
	Heating [kW]	13.91	16.7	17.42
Current Input (Nominal)	Cooling [A]	22.7	27.8	27.4
	Heating [A]	22.3	26.8	27.9
	MCA [A]	42.0	44.6	55.0
	MFA [A]	63.0	63.0	63.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.95	3.55	3.93
	COP (Nominal Heating) [W/W]	4.53	4.15	4.34
Compressor	Output [kW x n]	6.39 x 2	6.39 x 2	6.39 x 2
	Model Name	DS-GB052FAVB x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	620 x 2	620 x 2	620 x 2
	Air Flow Rate [CMM]	290.00	290.00	340.00
	Air Flow Rate [l/s]	4,833.3	4,833.3	5,666.67
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	15.88	15.88	15.88
	Liquid Pipe [Ø, inch]	5/8	5/8	5/8
	Gas Pipe [Ø, mm]	28.58	28.58	34.92
	Gas Pipe [Ø, inch]	1 1/8	1 1/8	1 3/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	8.4	8.4	12.5
Sound	Sound Pressure [dB(A)]	65	65	66
	Sound Power [dB(A)]	87	89	89
External Dimension (Outdoor Unit)	Net Weight [kg]	277	285	333
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,795 x 765
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVMS OUTDOOR UNITS

DVMS

SPECIFICATION

50Hz
HEAT PUMP



DVMS HP

Model Code		AM260KXVAGH	AM280KXVAGH	AM300KXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	26	28	30
	Cooling [kW]	72.8	78.6	84
	Cooling [Btu/hr]	248,400	268,200	286,600
	Heating [kW]	81.9	88.2	94.5
	Heating [Btu/hr]	279,500	301,000	322,400
Power Input (Nominal)	Cooling [kW]	18.91	20.68	22.7
	Heating [kW]	18.0	20.18	20.59
Current Input (Nominal)	Cooling [A]	30.3	33.2	36.4
	Heating [A]	28.9	32.4	33.0
	MCA [A]	60.0	67.0	73.0
	MFA [A]	75.0	75.0	80.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.85	3.80	3.70
	COP (Nominal Heating) [W/W]	4.55	4.37	4.59
Compressor	Output [kW x n]	6.39 x 2	6.76 x 2	7.81 x 2
	Model Name	DS-GB066FAVB x 2	DS-GB070FAVA x 2	DS4GJ5080FVA x 2
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	620 x 2	620 x 2	620 x 2
	Air Flow Rate [CMM]	340.00	340.00	340.00
	Air Flow Rate [l/s]	5,666.67	5,666.67	5,666.67
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4	3/4	3/4
	Gas Pipe [Ø, mm]	34.92	34.92	34.92
	Gas Pipe [Ø, inch]	1 3/8	1 3/8	1 3/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	12.5	14	14
Sound	Sound Pressure [dB(A)]	66	69	69
	Sound Power [dB(A)]	89	90	90
External Dimension (Outdoor Unit)	Net Weight [kg]	333	342	350
	Net Dimensions (WxHxD) [mm]	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVMS

SPECIFICATION

50Hz

HEAT PUMP



DVMS HP

Model Code		AM320KXVAGH	AM340KXVAGH	AM360KXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	32	34	36
	Cooling [kW]	89.6	95.2	101.6
	Cooling [Btu/hr]	305,700	324,800	346,700
	Heating [kW]	100.8	107.1	114.3
	Heating [Btu/hr]	343,900	365,400	390,000
Power Input (Nominal)	Cooling [kW]	24.2	25.51	28.28
	Heating [kW]	23.35	24.73	26.86
Current Input (Nominal)	Cooling [A]	38.8	40.9	45.3
	Heating [A]	37.5	39.7	43.1
	MCA [A]	65.7	69.6	69.6
	MFA [A]	80.0	80.0	80.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.70	3.73	3.59
	COP (Nominal Heating) [W/W]	4.32	4.33	4.26
Compressor	Output [kW x n]	6.39 + (6.39 x 2)	6.39 + (6.39 x 2)	6.39 + (6.39 x 2)
	Model Name	DS-GB066FAVB x 3	DS-GB066FAVB x 3	DS-GB066FAVB x 3
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620 x 2) + 830	(620 x 2) + 830	(620 x 4)
	Air Flow Rate [CMM]	290 + 170	290 + 220	290 + 255
	Air Flow Rate [l/s]	4,833.33 + 2,833.33	4,833.33 + 3,666.7	4,833.33 + 4,250.0
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4	3/4	3/4
	Gas Pipe [Ø, mm]	34.92	34.92	41.28
	Gas Pipe [Ø, inch]	1 3/8	1 3/8	1 5/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	13.9	14.9	16.1
Sound	Sound Pressure [dB(A)]	66	67	66
	Sound Power [dB(A)]	89	90	90
External Dimension (Outdoor Unit)	Net Weight [kg]	285 + 197	285 + 210	285 + 266
	Net Dimensions (WxHxD) [mm]	"1,295 x 1,695 x 765 + 880 x 1,695 x 765"	"1,295 x 1,695 x 765 + 880 x 1,695 x 765"	(1,295 x 1,695 x 765) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVMS OUTDOOR UNITS

DVMS

SPECIFICATION

50Hz
HEAT PUMP



DVMS HP

Model Code		AM380KXVAGH	AM400KXVAGH	AM420KXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	38	40	42
	Cooling [kW]	106.6	112	117.6
	Cooling [Btu/hr]	363,700	382,200	401,300
	Heating [kW]	119.7	126	132.3
	Heating [Btu/hr]	408,400	429,900	451,400
Power Input (Nominal)	Cooling [kW]	29.45	29.95	31.53
	Heating [kW]	28.31	28.61	30.61
Current Input (Nominal)	Cooling [A]	47.2	48.0	50.5
	Heating [A]	45.4	45.9	49.1
	MCA [A]	76.6	83.8	86.6
	MFA [A]	90.0	100.0	100.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.62	3.74	3.73
	COP (Nominal Heating) [W/W]	4.23	4.40	4.32
Compressor	Output [kW x n]	(7.81 x 1) x 1 + (6.39 x 2) x 1	(7.81 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 2) x 2
	Model Name	DS4GJ5080FVA x 1 + DS-GB066FAVB x 2	DS4GJ5080FVA x 1 + DS-GB066FAVB x 2	DS-GB052FAVB x 2 + DS-GB066FAVB x 2
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620 x 4)	(620 x 4)	(620 x 4)
	Air Flow Rate [CMM]	255 + 290	290 x 2	290 x 2
	Air Flow Rate [l/s]	4,833.33 + 4,250.0	4,833.33 x 2	4,833.33 x 2
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4	3/4	3/4
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1 5/8	1 5/8	1 5/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	16.8	16.8	16.8
Sound	Sound Pressure [dB(A)]	67	68	68
	Sound Power [dB(A)]	90	90	91
External Dimension (Outdoor Unit)	Net Weight [kg]	285 + 253	285 + 255	285 + 277
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVMS

SPECIFICATION

50Hz

HEAT PUMP



DVMS HP

Model Code		AM440KXVAGH	AM460KXVAGH	AM480KXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	44	46	48
	Cooling [kW]	123.2	129	134.4
	Cooling [Btu/hr]	420,400	440,200	458,600
	Heating [kW]	138.6	144.9	151.2
	Heating [Btu/hr]	472,900	494,400	515,900
Power Input (Nominal)	Cooling [kW]	34.70	34.80	35.30
	Heating [kW]	33.4	32.2	32.5
Current Input (Nominal)	Cooling [A]	55.6	55.8	56.6
	Heating [A]	53.6	51.6	52.1
	MCA [A]	89.2	105.0	112.2
	MFA [A]	100.0	125.0	125.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.55	3.71	3.81
	COP (Nominal Heating) [W/W]	4.15	4.50	4.65
Compressor	Output [kW x n]	(6.39 x 4)	7.81 + (7.81 x 2)	7.81 + (7.81 x 2)
	Model Name	DS-GB066FAVB x 4	DS4GJ5080FVA x 3	DS4GJ5080FVA x 3
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620 x 4)	(620 x 2) x 2	(620 x 2) x 2
	Air Flow Rate [CMM]	290 x 2	255 + 340	290 + 340
	Air Flow Rate [l/s]	4,833.33 x 2	4,250.0 + 5,666.7	4,833.3 + 5,666.7
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4	3/4	3/4
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1 5/8	1 5/8	1 5/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	16.8	22.4	22.4
Sound	Sound Pressure [dB(A)]	68	70	70
	Sound Power [dB(A)]	92	91	91
External Dimension (Outdoor Unit)	Net Weight [kg]	285 x 2	253 + 350	255 + 350
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	"1,295 x 1,695 x 765 + 1,295 x 1,795 x 765"	"1,295 x 1,695 x 765 + 1,295 x 1,795 x 765"
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVMS OUTDOOR UNITS

DVMS

SPECIFICATION

50Hz

HEAT PUMP



DVMS HP

Model Code		AM500KXVAGH	AM520KXVAGH	AM540KXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	50	52	54
	Cooling [kW]	140	145.6	151.2
	Cooling [Btu/hr]	477,700	496,800	515,900
	Heating [kW]	157.5	163.8	170.1
	Heating [Btu/hr]	537,400	558,900	580,400
Power Input (Nominal)	Cooling [kW]	36.88	40.05	39.80
	Heating [kW]	34.5	37.29	38.01
Current Input (Nominal)	Cooling [A]	59.1	64.2	63.8
	Heating [A]	55.3	59.8	60.9
	MCA [A]	115.0	117.6	128.0
	MFA [A]	150.0	150.0	150.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.80	3.64	3.80
	COP (Nominal Heating) [W/W]	4.57	4.39	4.48
Compressor	Output [kW x n]	(7.81 x 1) x 1 + (6.39 x 2) x 1	(7.81 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 2) x 2
	Model Name	DS-GB052FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
	Air Flow Rate [CMM]	290 + 340	290 + 340	340 x 2
	Air Flow Rate [l/s]	4,833.3 + 5,666.7	4,833.3 + 5,666.7	5,666.7 x 2
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4	3/4	3/4
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1 5/8	1 5/8	1 5/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	22.4	22.4	26.5
Sound	Sound Pressure [dB(A)]	70	70	71
	Sound Power [dB(A)]	93	93	93
External Dimension (Outdoor Unit)	Net Weight [kg]	277 + 350	285 + 350	333 + 350
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	1,295 x 1,695 x 765 + 1,295 x 1,795 x 765	(1,295 x 1,795 x 765) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVMS

SPECIFICATION

50Hz

HEAT PUMP



DVMS HP

Model Code		AM560KXVAGH	AM580KXVAGH	AM600KXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	56	58	60
	Cooling [kW]	156.8	162.6	168
	Cooling [Btu/hr]	535,000	554,800	573,200
	Heating [kW]	176.4	182.7	189
	Heating [Btu/hr]	601,900	623,400	644,900
Power Input (Nominal)	Cooling [kW]	41.61	43.38	45.40
	Heating [kW]	38.59	40.77	41.18
Current Input (Nominal)	Cooling [A]	66.7	69.6	72.8
	Heating [A]	61.9	65.4	66
	MCA [A]	133.0	140.0	146.0
	MFA [A]	150.0	175.0	175.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.77	3.75	3.70
	COP (Nominal Heating) [W/W]	4.57	4.48	4.59
Compressor	Output [kW x n]	(6.39 x 2) + (7.81 x 2)	(6.76 x 2) + (7.81 x 2)	(7.81 x 2) x 2
	Model Name	DS-GB066FAVB x 2 + DS4GJ5080FVA x 2	DS-GB070FAVB x 2 + DS4GJ5080FVA x 2	DS4GJ5080FVA x 4
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
	Air Flow Rate [CMM]	340 x 2	340 x 2	340 x 2
	Air Flow Rate [l/s]	5,666.7 x 2	5,666.7 x 2	5,666.7 x 2
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4	3/4	3/4
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1 5/8	1 5/8	1 5/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	26.5	28	28
Sound	Sound Pressure [dB(A)]	71	72	72
	Sound Power [dB(A)]	93	93	93
External Dimension (Outdoor Unit)	Net Weight [kg]	333 + 350	342 + 350	350 x 2
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVM S

SPECIFICATION

50Hz

HEAT PUMP



DVM S HP

Model Code		AM620KXVAGH	AM640KXVAGH	AM660KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	62	64	66
	Cooling [kW]	173.6	179.2	185.6
	Cooling [Btu/hr]	592,300	611,500	633,300
	Heating [kW]	195.3	201.6	208.8
	Heating [Btu/hr]	666,400	687,900	712,500
Power Input (Nominal)	Cooling [kW]	46.90	48.21	50.98
	Heating [kW]	43.94	45.32	47.45
Current Input (Nominal)	Cooling [A]	75.2	77.3	81.7
	Heating [A]	70.5	72.7	76.1
	MCA [A]	138.7	142.6	142.6
	MFA [A]	175.0	175.0	175.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.70	3.72	3.64
	COP (Nominal Heating) [W/W]	4.44	4.45	4.40
Compressor	Output [kW x n]	(7.81 x 1) x 1 + (6.39 x 2) x 1	(7.81 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 2) x 2
	Model Name	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2	DS-GB066FAVB x 3 + DS4GJ5080FVA x 2
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620 x 2) x 2 + 830	(620 x 2) x 2 + 830	(620 x 2) x 3
	Air Flow Rate [CMM]	290 + 340 + 170	290 + 340 + 170	255 + 290 + 340
	Air Flow Rate [l/s]	4,833.3 + 5,666.7 + 2,833.3	3,667 x 1 + 4,833 x 1 + 5,667 x 1	4,250 + 4,833.3 + 5,666.7
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8	7/8	7/8
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2-1/8	2-1/8	2-1/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	27.9	28.9	30.1
Sound	Sound Pressure [dB(A)]	71	71	71
	Sound Power [dB(A)]	93	93	93
External Dimension (Outdoor Unit)	Net Weight [kg]	285 + 350 + 197	285 + 350 + 210	266 + 285 + 350
	Net Dimensions (WxHxD) [mm]	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,795 x 765) + (1,295 x 1,795 x 765) + (880 x 1,695 x 765)	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765)
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVMS

SPECIFICATION

50Hz

HEAT PUMP



DVMS HP

Model Code		AM680KXVAGH	AM700KXVAGH	AM720KXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	68	70	72
	Cooling [kW]	190.6	196	201.6
	Cooling [Btu/hr]	650,400	668,800	687,900
	Heating [kW]	214.2	220.5	226.8
	Heating [Btu/hr]	730,900	752,400	773,900
Power Input (Nominal)	Cooling [kW]	52.15	52.65	54.23
	Heating [kW]	48.9	49.2	51.2
Current Input (Nominal)	Cooling [A]	83.6	84.4	86.9
	Heating [A]	78.4	78.9	82.1
	MCA [A]	149.6	156.8	159.6
	MFA [A]	175.0	175.0	200.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.65	3.72	3.72
	COP (Nominal Heating) [W/W]	4.38	4.48	4.43
Compressor	Output [kW x n]	(7.81) + (6.39 x 2) + (7.81 x 2)	(7.81) + (6.39 x 2) + (7.81 x 2)	(5.18 x 2) + (6.39 x 2) + (7.81 x 2)
	Model Name	DS4GJ5080FVA x 3 + GB066FAVB x 2	DS4GJ5080FVA x 3 + GB066FAVB x 2	DS-GB052FAVB x 2 + DS-GB066FAVB x 2 + DS4GJ5080FVA x 2
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
	Air Flow Rate [CMM]	255 + 290 + 340	255 + 290 + 340	(290 x 2) + (340)
	Air Flow Rate [l/s]	4,250 + 4,833.3 + 5,666.7	(4,833.3 x 2) x 2 + (5,666.7)	(4,833.3 x 2) x 2 + (5,666.7)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4	3/4	3/4
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1 5/8	1 5/8	1 5/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	30.8	30.8	30.8
Sound	Sound Pressure [dB(A)]	71	71	72
	Sound Power [dB(A)]	93	94	94
External Dimension (Outdoor Unit)	Net Weight [kg]	253 + 285 + 372	253 + 285 + 372	277 + 285 + 350
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2 + (1,295 s ,1,795 x 765)	(1,295 x 1,695 x 765) x 2 + (1,295 s ,1,795 x 765)	(1,295 x 1,695 x 765) x 2 + (1,295 s ,1,795 x 765)
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVMS OUTDOOR UNITS

DVMS

SPECIFICATION

50Hz

HEAT PUMP



DVMS HP

Model Code		AM740KXVAGH	AM760KXVAGH	AM780KXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	74	76	78
	Cooling [kW]	207.2	212.8	218.4
	Cooling [Btu/hr]	707,000	726,100	745,200
	Heating [kW]	233.1	239.4	245.7
	Heating [Btu/hr]	795,400	816,900	838,400
Power Input (Nominal)	Cooling [kW]	57.40	57.15	58.96
	Heating [kW]	53.99	54.71	55.29
Current Input (Nominal)	Cooling [A]	92.0	91.6	94.5
	Heating [A]	86.6	87.7	88.7
	MCA [A]	162.2	172.6	177.6
	MFA [A]	200.0	200.0	200.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.61	3.72	3.70
	COP (Nominal Heating) [W/W]	4.32	4.38	4.44
Compressor	Output [kW x n]	(7.81 x 1) x 1 + (6.39 x 2) x 1	(7.81 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 2) x 2
	Model Name	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2	DS-GB066FAVB x 4 + DS4GJ5080FVA x 2
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
	Air Flow Rate [CMM]	(290 x 2) + (340)	(290) + (340 x 2)	(290) + (340 x 2)
	Air Flow Rate [l/s]	(4,833.3 x 2) x 2 + (5,666.7)	3,667 x 1 + 4,833 x 1 + 5,667 x 1	(4,833.3) + (5,666.7 x 2)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8	7/8	7/8
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2-1/8	2-1/8	2-1/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	30.8	34.9	34.9
Sound	Sound Pressure [dB(A)]	72	72	72
	Sound Power [dB(A)]	94	94	94
External Dimension (Outdoor Unit)	Net Weight [kg]	(285 x 2) + 350	285 + 333 + 350	285 + 333 + 350
	Net Dimensions (WxHxD) [mm]	(880 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1 + (1,295 x 1,795 x 765) x 1	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765) x 2	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVMS

SPECIFICATION

50Hz

HEAT PUMP



DVMS HP

Model Code		AM800KXVAGH	AM820KXVAGH	AM840KXVAGH
Features	Type	DVMS HP	DVMS HP	DVMS HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	80	82	84
	Cooling [kW]	224.2	229.6	235.2
	Cooling [Btu/hr]	765,000	783,400	802,500
	Heating [kW]	252	258.3	264.6
	Heating [Btu/hr]	859,900	881,400	902,900
Power Input (Nominal)	Cooling [kW]	60.73	62.75	62.50
	Heating [kW]	57.47	57.88	58.6
Current Input (Nominal)	Cooling [A]	97.4	100.6	100.2
	Heating [A]	92.2	92.8	93.9
	MCA [A]	184.6	190.6	201.0
	MFA [A]	225.0	225.0	225.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.69	3.66	3.76
	COP (Nominal Heating) [W/W]	4.38	4.46	4.52
Compressor	Output [kW x n]	(6.39 x 2) + (6.76 x 2) + (7.81 x 2)	(6.39 x 2) + (7.81 x 2) x 2	(6.39 x 2) + (7.81 x 2) x 2
	Model Name	DS-GB066FAVB x 2 + DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
	Air Flow Rate [CMM]	(290) + (340 x 2)	(290) + (340 x 2)	340 x 3
	Air Flow Rate [l/s]	(4,833.3) + (5,666.7 x 2)	(4,833.3) + (5,666.7 x 2)	5,666.7 x 3
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8	7/8	7/8
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2 1/8	2 1/8	2 1/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	36.4	36.4	40.5
Sound	Sound Pressure [dB(A)]	73	73	73
	Sound Power [dB(A)]	94	94	94
External Dimension (Outdoor Unit)	Net Weight [kg]	285 + 342 + 350	285 + (350 x 2)	333 + (350 x 2)
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765) x 2	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 3
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25 ~ 24	-25 ~ 24	-25 ~ 24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVM S

SPECIFICATION

50Hz
HEAT PUMP



DVM S HP

Model Code		AM860KXVAGH	AM880KXVAGH	AM900KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	86	88	90
	Cooling [kW]	240.8	246.6	252
	Cooling [Btu/hr]	821,600	841,400	859,900
	Heating [kW]	270.9	277.2	283.5
	Heating [Btu/hr]	924,300	945,800	967,300
Power Input (Nominal)	Cooling [kW]	64.31	66.08	68.10
	Heating [kW]	59.18	61.36	61.77
Current Input (Nominal)	Cooling [A]	103.1	106.0	109.2
	Heating [A]	94.9	98.4	99
	MCA [A]	206.0	213.0	219.0
	MFA [A]	250.0	250.0	250.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.74	3.73	3.70
	COP (Nominal Heating) [W/W]	4.58	4.52	4.59
Compressor	Output [kW x n]	(7.81 x 1) x 1 + (6.39 x 2) x 1	(7.81 x 1) x 1 + (6.39 x 2) x 1	(6.39 x 2) x 2
	Model Name	"DS-GB066FAVB x 2 + DS4GJ5080FVA x 4"	"DS-GB070FAVA x 2 + DS4GJ5080FVA x 4"	DS4GJ5080FVA x 6
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
	Air Flow Rate [CMM]	340 x 3	340 x 3	340 x 3
	Air Flow Rate [l/s]	5,666.7 x 3	5,666.7 x 3	5,666.7 x 3
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8	7/8	7/8
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2 1/8	2 1/8	2 1/8
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	40.5	42	42
Sound	Sound Pressure [dB(A)]	73	74	74
	Sound Power [dB(A)]	94	95	95
External Dimension (Outdoor Unit)	Net Weight [kg]	333 + (350 x 2)	342 + (350 x 2)	350 x 3
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVM S ECO

SPECIFICATION

50Hz
HEAT PUMP



DVM S ECO

Model Code		AM040KXMDEH/EU	AM050KXMDEH/EU	AM040FXMDEH/EU
Features	Type	DVM S ECO	DVM S ECO	DVM S ECO
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	4	5	4
	Cooling [kW]	12.1	14.0	12.1
	Cooling [Btu/hr]	41,200	48,000	41,300
	Heating [kW]	12.1	14.0	13.5
	Heating [Btu/hr]	41,200	48,000	46,100
Maximum number of connectible indoor units [ea]		6	8	6
Power Input (Nominal)	Cooling [kW]	3.60	4.00	2.89
	Heating [kW]	2.90	3.40	3.02
Current Input (Nominal)	Cooling [A]	17.5	19.5	14.0
	Heating [A]	14.0	16.5	15.1
	MCA [A]	24.0	27.0	22.0
	MFA [A]	32.0	40.0	32.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.36	3.50	4.19
	COP (Nominal Heating) [W/W]	4.17	4.12	4.47
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output [kW x n]	4.12	4.12	4.12
	Model Name	UG5T450FUEJX	UG5T450FUEJX	UG5T450FUEJXSG
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	1,700.0	1,700.0	1,700.0
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	125 x 1	139 x 1	125 x 2
	Air Flow Rate [CMM]	64.00	70.00	100.00
	Air Flow Rate [l/s]	1,067.0	1,167.0	1,666.7
	External Static Pressure (Max) [mmAq]	3.00	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8	3/8	3/8
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8	5/8	5/8
	Installation Limitation [Max Length]	50	50	150
	Installation Limitation [Max Height]	30	30	50
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	2	2.5	3.2
Sound	Sound Pressure [dB(A)]	52	55	50
	Sound Power [dB(A)]	54	57	52
External Dimension (Outdoor Unit)	Net Weight [kg]	79	83.5	100
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVM S ECO

SPECIFICATION

50Hz
HEAT PUMP



DVM S ECO

Model Code		AM040FXMDGH/EU	AM050FXMDEH/EU	AM050FXMDGH/EU
Features	Type	DVM S ECO	DVM S ECO	DVM S ECO
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	1, 2, 220-240, 50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	4	5	5
	Cooling [kW]	12.1	14.0	14.0
	Cooling [Btu/hr]	41,300	47,800	47,800
	Heating [kW]	13.5	16.0	16.0
	Heating [Btu/hr]	46,100	54,600	54,600
Maximum number of connectible indoor units [ea]		6	8	8
Power Input (Nominal)	Cooling [kW]	2.99	3.69	3.69
	Heating [kW]	3.02	3.61	3.61
Current Input (Nominal)	Cooling [A]	4.8	17.9	6.2
	Heating [A]	5.0	17.2	6.0
	MCA [A]	10.0	24.0	12.0
	MFA [A]	20.0	32.0	20.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	4.05	3.79	3.79
	COP (Nominal Heating) [W/W]	4.47	4.43	4.43
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output [kW x n]	4.12	4.12	4.12
	Model Name	UG5T450FUFJXSG	UG5T450FUEJXSG	UG5T450FUFJXSG
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	1,700.0	1,700.0	1,700.0
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	125 x 2	125 x 2	125 x 2
	Air Flow Rate [CMM]	100.00	100.00	100.00
	Air Flow Rate [l/s]	1,666.7	1,666.7	1,666.7
	External Static Pressure (Max) [mmAq]	3.00	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8	3/8	3/8
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8	5/8	5/8
	Installation Limitation [Max Length]	150	150	150
	Installation Limitation [Max Height]	50	50	50
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	3.2	3.2	3.2
Sound	Sound Pressure [dB(A)]	52	50	51
	Sound Power [dB(A)]	66	66	53
External Dimension (Outdoor Unit)	Net Weight [kg]	100	100	100
	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVM S ECO

SPECIFICATION

50Hz
HEAT PUMP



DVM S ECO

Model Code		AM060FXMDEH/EU	AM060FXMDGH/EU	AM080FXMDGH/EU
Features	Type	DVM S ECO	DVM S ECO	DVM S ECO
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1, 2, 220-240, 50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	6	6	8
	Cooling [kW]	15.5	15.5	22.4
	Cooling [Btu/hr]	52,900	52,900	76,400
	Heating [kW]	18.0	18.0	25.0
	Heating [Btu/hr]	61,400	61,400	85,300
Maximum number of connectible indoor units [ea]		9	9	13
Power Input (Nominal)	Cooling [kW]	4.31	4.31	5.72
	Heating [kW]	4.39	4.39	4.88
Current Input (Nominal)	Cooling [A]	21.0	7.3	9.7
	Heating [A]	20.2	6.9	8.2
	MCA [A]	32.0	12.0	18.0
	MFA [A]	40.0	20.0	25.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.60	3.60	3.92
	COP (Nominal Heating) [W/W]	4.10	4.10	5.12
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Inverter Scroll
	Output [kW x n]	4.12	4.12	4.96
	Model Name	UG5T450FUEJXSG	UG5T450FUEJXSG	DS-GB05FAVADO x1
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	1,700.0	1,700.0	2,800.0
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	125 x 2	125 x 2	139 x 2
	Air Flow Rate [CMM]	100.00	100.00	135.00
	Air Flow Rate [l/s]	1,666.7	1,666.7	2250.00
	External Static Pressure (Max) [mmAq]	3.00	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8	3/8	3/8
	Gas Pipe [Ø, mm]	19.05	19.05	19.05
	Gas Pipe [Ø, inch]	3/4	3/4	3/4
	Installation Limitation [Max Length]	150	150	100
	Installation Limitation [Max Height]	50	50	30
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	3.3	3.3	3.3
Sound	Sound Pressure [dB(A)]	53	53	56
	Sound Power [dB(A)]	55	55	58
External Dimension (Outdoor Unit)	Net Weight [kg]	103	103	135
	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,420 x 330
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.

DVM S ECO

SPECIFICATION

50Hz
HEAT PUMP

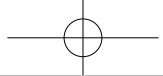


DVM S ECO

Model Code		AM100KXMDGH/EU	AM120KXMDGH/EU	AM140KXMDGH/EU
Features	Type	DVM S ECO	DVM S ECO	DVM S ECO
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	10	12	14
	Cooling [kW]	28.0	33.5	40.0
	Cooling [Btu/hr]	95,500	114,300	136,500
	Heating [kW]	31.5	37.5	45.0
	Heating [Btu/hr]	107,500	128,000	153,500
Maximum number of connectible indoor units [ea]		18	21	26
Power Input (Nominal)	Cooling [kW]	7.29	8.77	10.59
	Heating [kW]	6.74	7.81	9.88
Current Input (Nominal)	Cooling [A]	11.5	13.7	16.5
	Heating [A]	10.6	12.2	15.6
	MCA [A]	21.5	23.5	32.0
	MFA [A]	30.0	30.0	40.0
Energy Efficiency Ratio	EER (Nominal Cooling) [W/W]	3.84	3.82	3.78
	COP (Nominal Heating) [W/W]	4.67	4.80	4.55
Compressor	Type	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Output [kW x n]	5.18	6.39	6.76
	Model Name	DS-GB052FAVB	DS-GB066FAVB	DS-GB070FAVA
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	2,300.0	2,300.0	2,300.0
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	244 x 2	244 x 2	244 x 2
	Air Flow Rate [CMM]	165.00	166.00	180.00
	Air Flow Rate [l/s]	2,750.0	2,766.7	3,000.0
	External Static Pressure (Max) [mmAq]	3.00	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	12.7	12.7
	Liquid Pipe [Ø, inch]	3/8	1/2	1/2
	Gas Pipe [Ø, mm]	22.22	28.58	28.58
	Gas Pipe [Ø, inch]	7/8	11/8	11/8
	Installation Limitation [Max Length]	160	160	160
	Installation Limitation [Max Height]	40	40	40
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	3.7	4.3	4.8
Sound	Sound Pressure [dB(A)]	58	59	62
	Sound Power [dB(A)]	60	61	64
External Dimension (Outdoor Unit)	Net Weight [kg]	145	155	162
	Net Dimensions (WxHxD) [mm]	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25~24	-25~24	-25~24

Note:

- 1) Cooling Capacity is based on Indoor Temperature: 27°C DB, 19°C WB / Outdoor Temperature: 35°C DB, 24°C WB.
- 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- 3) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
- 4) Specifications and features are accurate at time of print and subjects to changes without prior notice.



DVM S



DVM S






CRIMSON Washington, USA

INDOOR
Duct : 5 Units

OUTDOOR
DVM S : 4 Units (104HP)

Indoor Line-Up

Indoor Unit



Cassette						
Type						
	kW	360 Cassette	1-Way Cassette	2-Way Cassette	4-Way Cassette	4-Way Cassette (600x600)
Capacity	1.5					•
	1.7		•			
	2.2		•			•
	2.8		•			•
	3.6		•			•
	4.5	•			•	•
	5.6	•	•	•	•	•
	6.0					•
	7.1	•	•	•	•	
	9.0	•			•	
	11.2	•			•	
	12.8	•			•	
	14.0	•			•	

Duct						
Type						
	kW	LSP Duct	Home Duct	MSP Duct	HSP Duct	OAP Duct
Capacity	1.7	•				
	2.2	•		•		
	2.8	•		•		
	3.2					
	3.6	•		•		
	4.5	•	•	•		
	5.6	•	•	•		
	7.1	•	•	•		
	9.0	•		•		
	11.2	•		•	•	
	12.8	•		•	•	
	14.0	•		•	•	•
	16.0			•		
	18.0					
	22.4				•	•
	28.0				•	•

Indoor Line-Up

Indoor Unit

Wall Mounted				
Type	kW			
		Wall Mounted Boracay (without EEV)	Wall Mounted Boracay (with EEV)	Wall Mounted Max
Capacity	1.5	•	•	
	2.2	•	•	
	2.8	•	•	
	3.6	•	•	
	4.5	•	•	
	5.6	•	•	
	7.1	•	•	
	8.2			
	9.3			•

Wall Mounted & Ceiling				
Type	kW			
		Ceiling	QMD Wind-Free AR9500T	
Capacity	1.5			•
	2.2			•
	2.8			•
	3.6			•
	4.5			•
	5.6	•		•
	7.1	•		•
	8.2			•
	16.0			
	18.0	•		
	22.4	•		
	28.0			

Ventilation				
Type	CMH			
		ERV Plus	ERV	
Capacity	260			•
	350			•
	500	•		•
	800			•
	1000	•		•

DVM S

360 Cassette

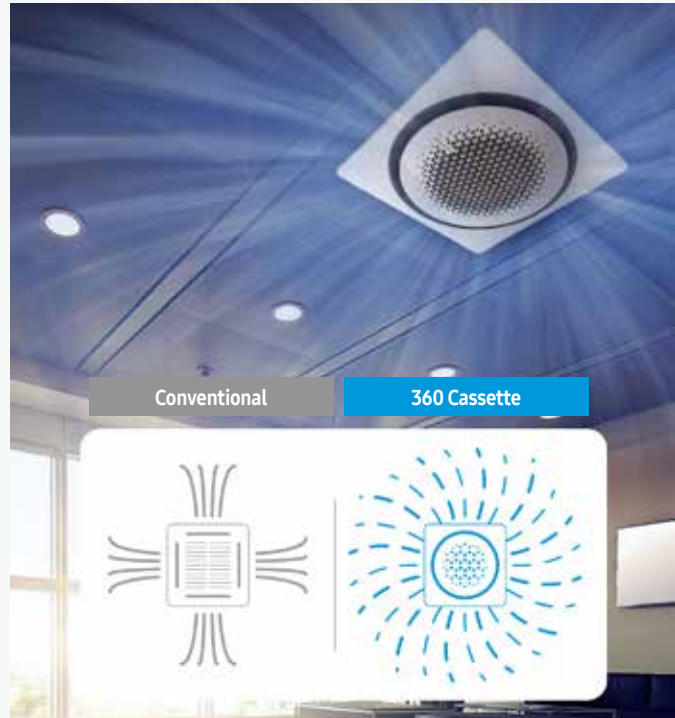
All round cooling and comfort

The Samsung 360 Cassette air conditioner offers a brand new way of staying comfortably cool in every corner of the room. Its innovative circular design not only means it perfectly fits in everywhere, adding a sophisticated look to many different sites, but it also blows cool air in all directions, so that the whole room is the same temperature*. Its bladeless outlet ensures that cool air is gently dispersed, without creating cold drafts**, and that the air flow is not blocked even at low angles. This allows it to expel 25% more air* and spread it farther.

Evenly circulates & cools every corner

Unlike 4 Way Cassette type air conditioners that create areas of uneven airflow where cool air can't reach*, a circular outlet blows cool air in all directions, so every corner of a room is the same temperature**.

* Samsung testing compared to a general 4 Way Cassette type air conditioner.
** Within a 9.3m radius the temperature difference is less than 0.6°C.



* Within a 9.3m radius the temperature difference is less than 0.6°C.



360 Cassette

Comfortably cool, not cold

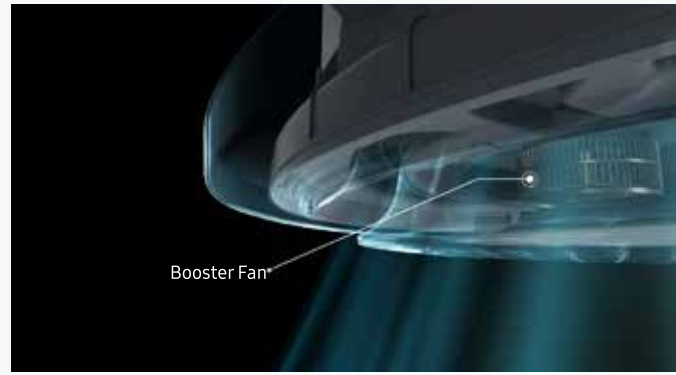
A bladeless design softly disperses cool air across the room, making you comfortably cool without feeling a cold draft**. With no blades to block the air flow, it also expels 25% more air* and spreads it farther.



* Within a 5m radius, no cold draft between 0~1.5m in height (with 14.0kW).

Spreads more air in more ways

An innovative Booster Fan enables cool air to be expelled at much lower angles. It creates a low pressure area around the outlet, so that cool air comes out parallel to the ceiling and disperses across a wider area.



Circular to perfectly fit in everywhere

Its innovative circular design can match a multitude of interior designs, so it perfectly fits in everywhere. Its minimalist modern styling creates a sophisticated look and its circular shape stands out beautifully.



* When installing the circular panel on the ceiling, make sure to install two or more inspection holes for the maintenance.
** Inspection Holes are not mandatory for separable ceiling structure.
(For further information, please refer to the installation manual.)

All round simpler & intuitive control

Intuitively control its performance and see where the air is going. The Wireless Remote Controller's* Jog shuttle and button offer a fun way to adjust the air flow and a Circular LED Display shows its direction.

* Optional.



360 Cassette

Reference site

The perfection of the circle brings unimaginable experience that harmonizes your style. Samsung system air conditioner '360 Cassette'

With a circular design aesthetic that perfectly fits the interior and its surroundings, the '360 Cassette', winner of the iF Award (international Forum Design Award) 2016, is visually stunning. The bladeless '360 Cassette' directs air uniformly in all directions using principles of wind currents, ensuring a fresh, natural, and pleasant breeze that completely eliminates cold drafts. Customers have called the '360 Cassette' not only their 'the first choice' but also their 'the best choice'.



Yogurteria
Location: Italy



Mingles Restaurant
Location: South Korea



JUNGSIK Restaurant
Location: South Korea



PARIS BAGUETTE Cafe (THE PLACE)
Location: China



STARBUCKS COFFEE
Location: UK



Cafe
Location: South Korea



360 Cassette

Specification



Model Code		AM045KN4DEH/EU	AM056KN4DEH/EU	AM071KN4DEH/EU	AM090KN4DEH/EU
Features	Type	360 CASSETTE	360 CASSETTE	360 CASSETTE	360 CASSETTE
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	4.50	5.60	7.10	9.00
	Cooling 2) [Btu/h]	15,400	19,100	24,200	30,700
	Heating 2) [kW]	5.00	6.30	8.00	10.00
	Heating 2) [Btu/h]	17,100	21,500	27,300	34,100
Power Input (Nominal)	Cooling 1) [W]	26.00	30.00	34.00	55.00
	Heating 2) [W]	26.00	30.00	34.00	55.00
Fan	Motor (Output) [W]	65 x 1	65 x 1	65 x 1	65 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	14.50/13.50/12.50	16.00/14.50/13.50	18.00/16.00/14.00	22.00/18.50/16.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,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 / Mid / Low) [dB(A)]	33.0/31.0/29.0	34.0/32.0/29.0	36.0/33.0/30.0	40.0/36.0/32.0
	Sound Power	50.0	51.0	53.0	57.0
External Dimension (Indoor Unit)	Net Weight (kg)	21.00	21.00	21.00	21.00
	Net Dimensions (WxHxD) (mm)	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947
Panel Size	Panel Model	Square WH : PC4NUDMAN / Square BL : PC4NBDMAN / Circle WH : PC4NUNMAN / Circle BL : PC4NBNMAN			
	Panel Net Weight (kg)	Square : 3.60 / Circle : 2.70			
	Net Dimensions (WxHxD) (mm)	Square : 1000 x 66 x 1000 / Circle : 1050 x 94 x 1050			

Model Code		AM112KN4DEH/EU	AM128KN4DEH/EU	AM140KN4DEH/EU
Features	Type	360 CASSETTE	360 CASSETTE	360 CASSETTE
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	11.20	12.80	14.00
	Cooling 2) [Btu/h]	38,200	43,700	47,800
	Heating 2) [kW]	12.50	13.80	16.00
	Heating 2) [Btu/h]	42,700	47,100	54,600
Power Input (Nominal)	Cooling 1) [W]	53.00	77.00	91.00
	Heating 2) [W]	53.00	77.00	91.00
Fan	Motor (Output) [W]	97 x 1	97 x 1	97 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	25.50/21.00/17.50	29.50/24.00/19.00	31.50/26.50/21.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/36.0/32.0	42.0/38.0/33.0	44.0/40.0/35.0
	Sound Power	58.0	60.0	61.0
External Dimension (Indoor Unit)	Net Weight (kg)	24.00	24.00	24.00
	Net Dimensions (WxHxD) (mm)	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
Panel Size	Panel Model	Square WH : PC4NUDMAN / Square BL : PC4NBDMAN / Circle WH : PC4NUNMAN / Circle BL : PC4NBNMAN		
	Panel Net Weight (kg)	Square : 3.60 / Circle : 2.70		
	Net Dimensions (WxHxD) (mm)	Square : 1000 x 66 x 1000 / Circle : 1050 x 94 x 1050		

Individual
Controllers
Required
(Choices)



Panel
Required
(Choices)



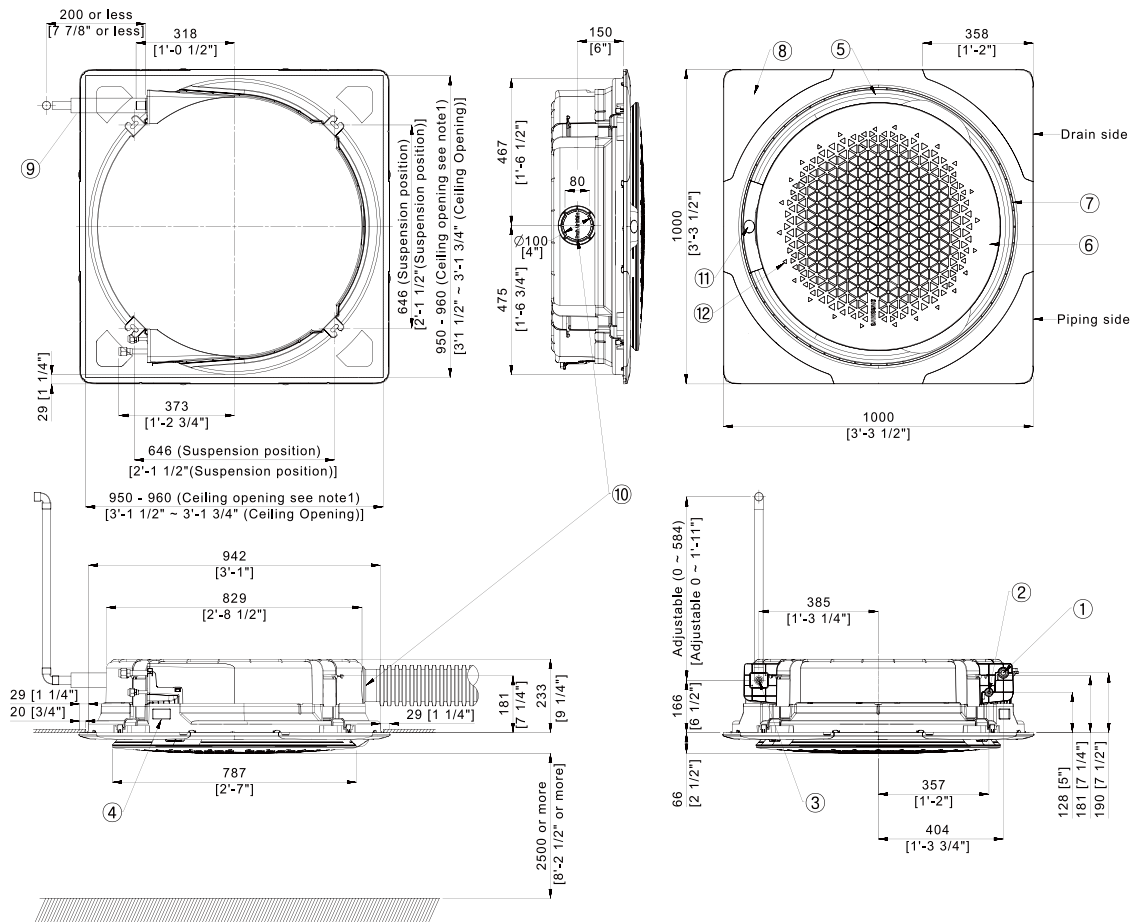
360 Cassette

Dimensional Drawing

Square panel, less than 11.2kW



Units: mm, inch



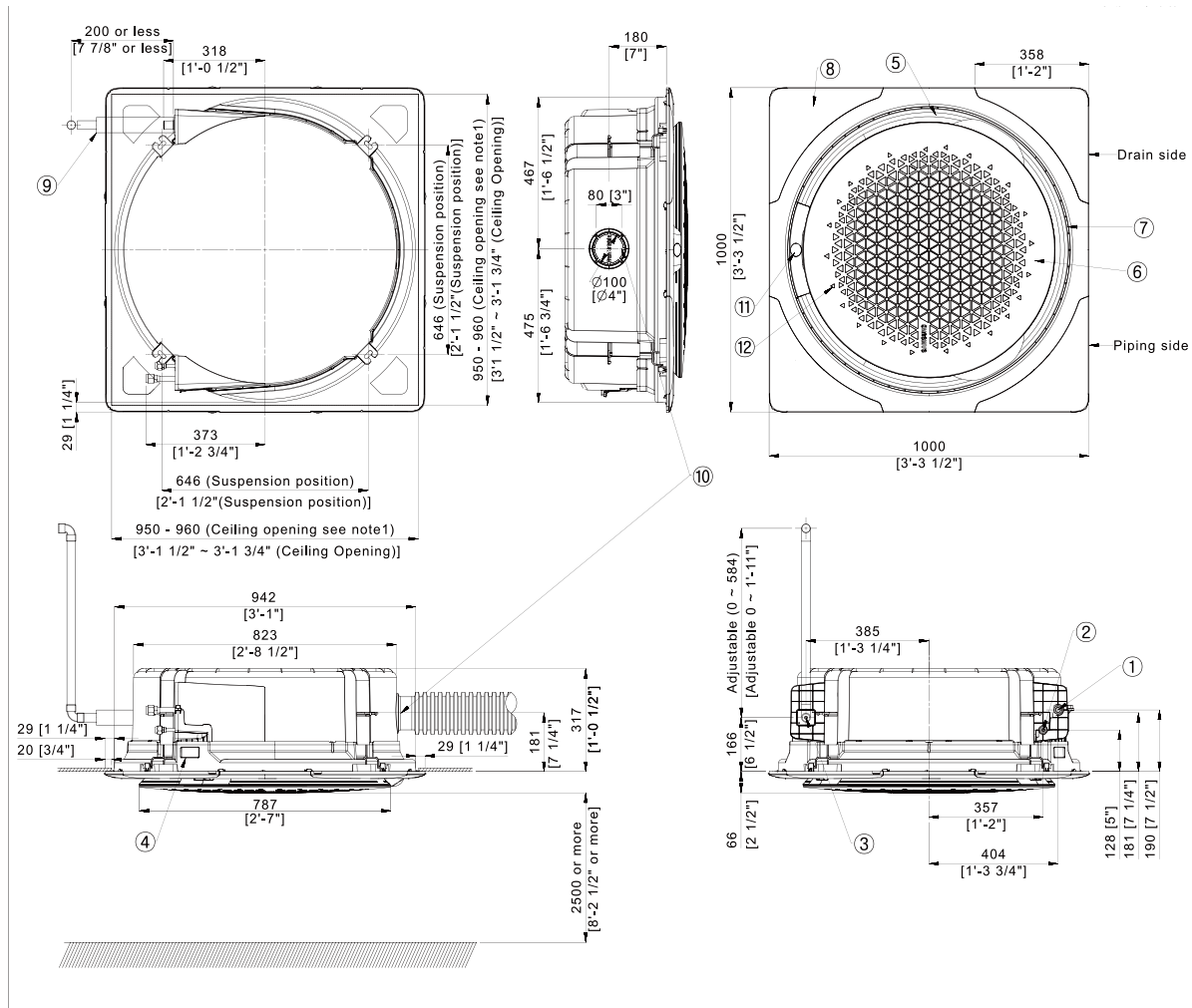
No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air discharge opening
6	Air suction grille
7	Suction rim for Booster fan
8	Decoration cover
9	Drain hose
10	Fresh air intake knock out hole
11	Display window
12	Infrared receiver

360 Cassette

Dimensional Drawing
Circular panel, equal or more than 11.2kW



Units: mm, inch



No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air discharge opening
6	Air suction grille
7	Suction rim for Booster fan
8	Decoration cover
9	Drain hose
10	Fresh air intake knock out hole
11	Display window
12	Infrared receiver

DWMS

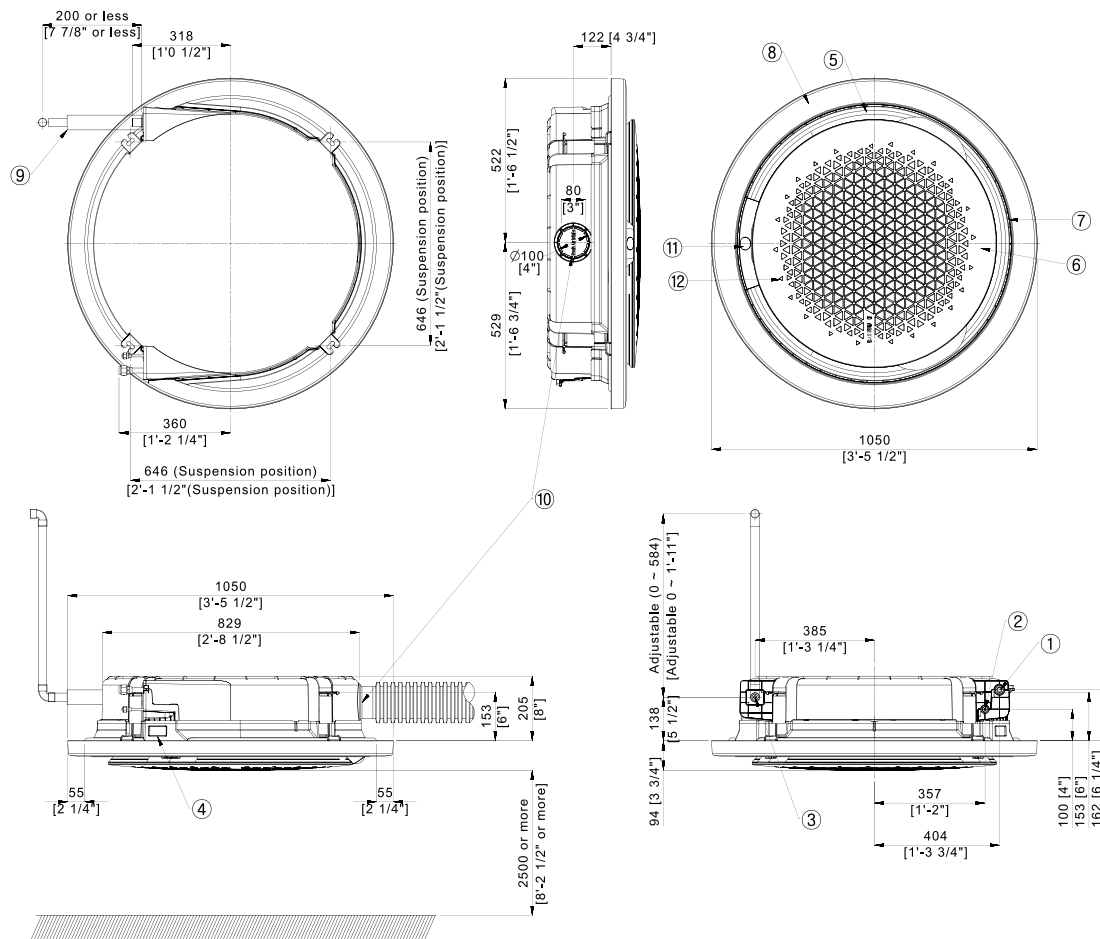
360 Cassette

Dimensional Drawing

Circular panel, less than 11.2kW



Units: mm, inch



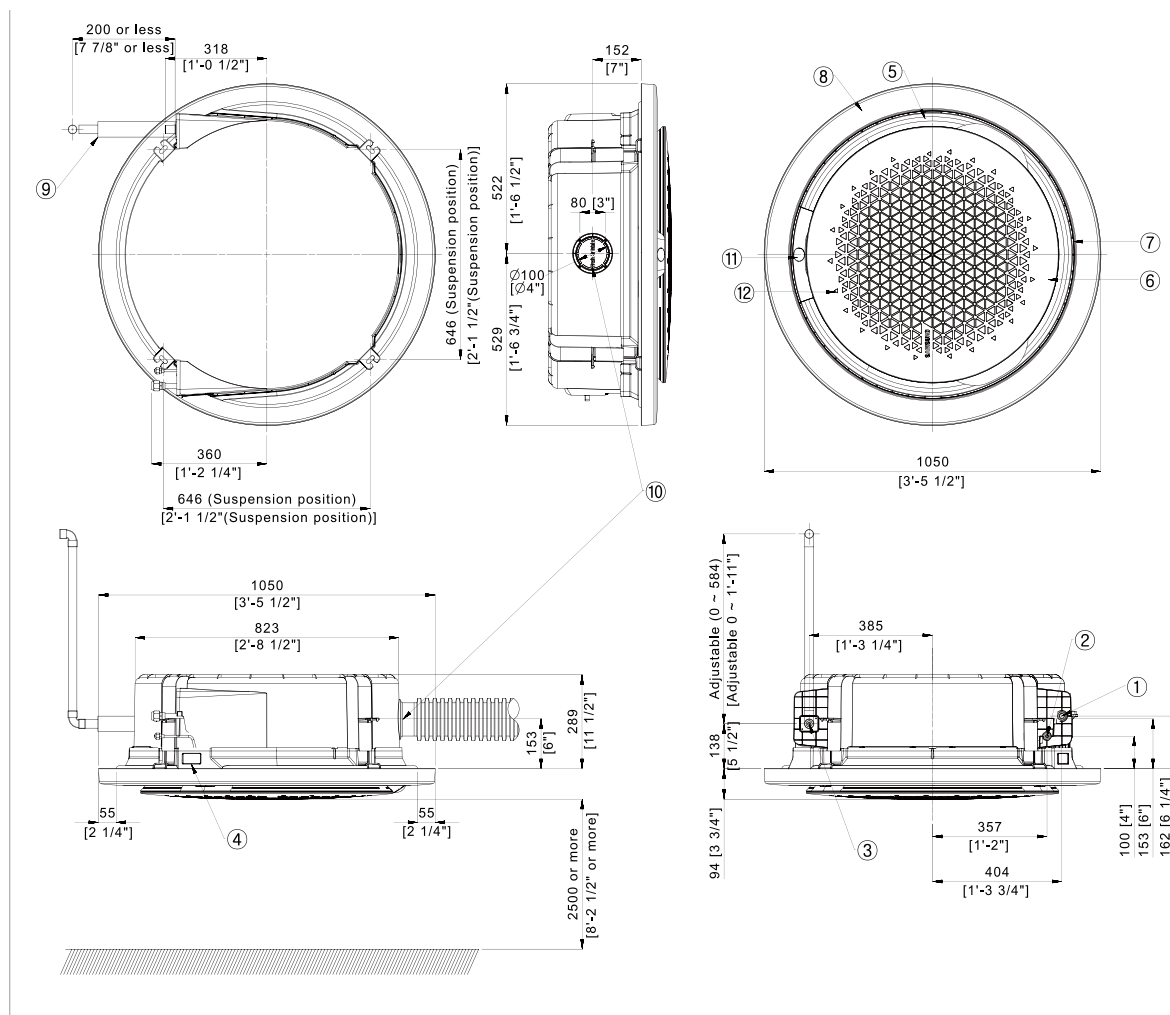
No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air discharge opening
6	Air suction grille
7	Suction rim for Booster fan
8	Decoration cover
9	Drain hose
10	Fresh air intake knock out hole
11	Display window
12	Infrared receiver

360 Cassette

Dimensional Drawing
Circular panel, equal or more than 11.2kW



Units: mm, inch



No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air discharge opening
6	Air suction grille
7	Suction rim for Booster fan
8	Decoration cover
9	Drain hose
10	Fresh air intake knock out hole
11	Display window
12	Infrared receiver

DWS

4 Way Cassette

Stylishly clean design

Complement any interior with a sleek, lightweight design

The new Samsung 4 Way Cassette indoor air conditioner comes in a choice of patterns with a simple panel to better match the interior design. Its uniquely lightweight frame makes installation easy, while clever blade construction keeps the unit clean for a tidy appearance.

Waffle Pattern



Classic Pattern



Aesthetic panel and display

4 Way Cassette offers two different pattern designs for the panel. Users can select either the Waffle or Classic pattern to create just the right look to suit their design preference. Plus, the simple display design with rounded corners adds a chic sophistication to the interior.



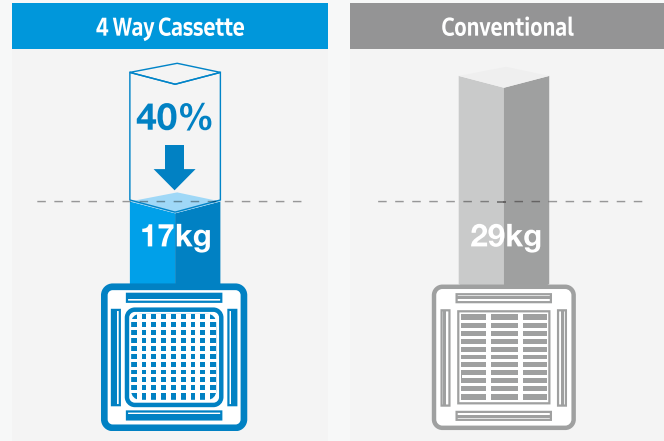
Individual blade control

With the remote controller, users can individually set the opening angles of the four blades at the same angle or different angles within a 32° - 65° range to create just the right atmosphere.



Lightweight build

The Samsung 4 Way Cassette indoor unit is now lighter in weight at 17kg. It is one of the lightest indoor units in the industry, about 40 percent lighter than conventional products.



*Based on 10kW

Optimal airflow for high ceilings

The fan speed adjustment function evenly distributes cool and warm air throughout spaces with high ceilings of up to 3.5m.



*Based on 10kW

4 Way Cassette

Specification



DWS

Model Code		AM045FN4DEH/EU	AM056FN4DEH/EU	AM071FN4DEH/EU	AM090FN4DEH/EU
Features	Type	4 Way CASSETTE	4 Way CASSETTE	4 Way CASSETTE	4 Way CASSETTE
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	4.50	5.60	7.10	9.00
	Cooling 2) [Btu/h]	15,400	19,100	24,200	30,700
	Heating 2) [kW]	5.00	6.30	8.00	10.00
	Heating 2) [Btu/h]	17,100	21,500	27,300	34,100
Power Input (Nominal)	Cooling 1) [W]	32.00	32.00	45.00	62.00
	Heating 2) [W]	32.00	32.00	45.00	62.00
Fan	Motor (Output) [W]	-	-	-	-
	Air Flow Rate (High / Mid / Low) [CMM]	14.50/13.50/12.50	15.00/14.00/13.00	17.00/15.50/14.50	19.50/18.00/16.50
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,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 / Mid / Low) [dB(A)]	33.0/32.0/30.0	33.0/32.0/30.0	35.0/34.0/33.0	39.0/36.0/33.0
	Sound Power	49.0	50.0	54.0	57.0
External Dimension (Indoor Unit)	Net Weight (kg)	15.50	15.50	15.50	15.50
	Net Dimensions (WxHxD) (mm)	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
Panel Size	Panel Model	Waffle WH : PC4NUSKAN / Waffle BL : PC4NBSKAN / Stripe WH : PC4NUSKEN			
	Panel Net Weight (kg)	5.80			
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950			

Model Code		AM112FN4DEH/EU	AM128FN4DEH/EU	AM140FN4DEH/EU
Features	Type	4 Way CASSETTE	4 Way CASSETTE	4 Way CASSETTE
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	11.20	12.80	14.00
	Cooling 2) [Btu/h]	38,200	43,700	47,800
	Heating 2) [kW]	12.50	13.80	16.00
	Heating 2) [Btu/h]	42,700	47,100	54,600
Power Input (Nominal)	Cooling 1) [W]	78.00	73.00	89.00
	Heating 2) [W]	78.00	73.00	89.00
Fan	Motor (Output) [W]	-	-	-
	Air Flow Rate (High / Mid / Low) [CMM]	26.00/24.00/22.00	28.00/26.00/23.00	30.00/28.00/26.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/38.0/35.0	42.0/40.0/35.0	44.0/41.0/35.0
	Sound Power	57.0	58.0	60.0
External Dimension (Indoor Unit)	Net Weight (kg)	17.00	19.00	19.00
	Net Dimensions (WxHxD) (mm)	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
Panel Size	Panel Model	Waffle WH : PC4NUSKAN / Waffle BL : PC4NBSKAN / Stripe WH : PC4NUSKEN		
	Panel Net Weight (kg)	5.80		
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950		

Individual
Controllers
Required
(Choices)



Panel
Required
(Choices)



4 Way Cassette (600 x 600)

Tasteful design, compact, lightweight build

Refine the interior with an elegant, compact design

The enhanced Samsung 4 Way Cassette (600 x 600) indoor air conditioner features a selection of simple panel patterns to blend seamlessly into any interior design. Its uniquely lightweight frame blends effortlessly and beautifully into any décor, while clever blade construction keeps the unit clean for a tidy appearance.

Attractive panel and display

The 4 Way Cassette (600 x 600) features a fashionable panel with a simple, beveled corner design. The rounded panel frame promotes a neat, tidy look for an aesthetic flair that blends perfectly with any ambience.

Waffle Pattern



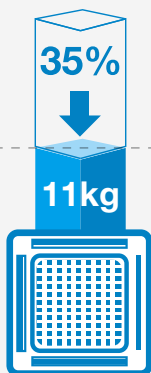
Classic Pattern



Light, robust design

The Samsung 4 Way Cassette (600 x 600) indoor unit is now lighter in weight at 11kg. It is the lightest indoor unit in the industry, about 35 percent lighter than our conventional products.

4 Way Cassette (Interior)



Conventional



*Based on 3.5kW

Ultra-compact size

Samsung's 4 Way Cassette (600 x 600) air conditioner can be installed on a single standard ceiling tile (600W x 600D) which helps minimize installation time and effort.



Create a flawless atmosphere with innovative motion-controlled operation

The optional motion detection sensor (MDS) for 4 Way Cassette (600 x 600) the world's first creates the ideal environment with added comfort control and energy savings by providing just the right amount of airflow when needed.

Smart on/off function

Energy-saving MDS detects when individuals are absent from the area and automatically stops the air conditioning operation. It also automatically sets operation patterns to create the perfect atmosphere and maximize energy efficiency.



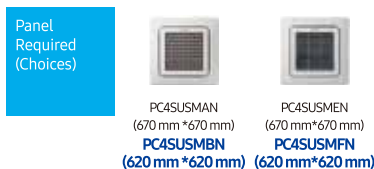
4 Way Cassette (600 x 600)

Specification



Model Code		AM015HNNDEH/EU	AM022FNNDDEH/EU	AM028FNNDDEH/EU
Features	Type	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	1.50	2.20	2.80
	Cooling 2) [Btu/h]	5,100	7,500	9,600
	Heating 2) [kW]	1.70	2.50	3.20
	Heating 2) [Btu/h]	5,800	8,500	10,900
Power Input (Nominal)	Cooling 1) [W]	18.00	18.00	18.00
	Heating 2) [W]	18.00	18.00	18.00
Fan	Motor (Output) [W]	65 x 1	65 x 1	65 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	8.50/7.20/6.50	9.00/7.70/6.50	10.00/8.50/7.50
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35	6.35	6.35
	Gas Pipe (Φ,mm, inch)	12.70	12.70	12.70
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	30.0/28.0/23.0	32.0/29.0/25.0	33.0/30.0/26.0
	Sound Power	46.0	47.0	50.0
External Dimension (Indoor Unit)	Net Weight (kg)	12.00	12.00	12.00
	Net Dimensions (WxHxD) (mm)	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel Model	PC4SUSMFN	PC4SUSMFN	PC4SUSMFN
	Panel Net Weight (kg)	2.70	2.70	2.70
	Net Dimensions (WxHxD) (mm)	620 x 45 x 620	620 x 45 x 620	620 x 45 x 620

Model Code		AM036FNNDDEH/EU	AM045FNNDDEH/EU	AM060FNNDDEH/EU
Features	Type	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	3.60	4.50	6.00
	Cooling 2) [Btu/h]	12,300	15,400	20,500
	Heating 2) [kW]	4.00	5.00	6.80
	Heating 2) [Btu/h]	13,600	17,100	23,200
Power Input (Nominal)	Cooling 1) [W]	20.00	23.00	31.00
	Heating 2) [W]	20.00	23.00	31.00
Fan	Motor (Output) [W]	65 x 1	65 x 1	65 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	10.50/9.50/8.00	11.50/10.20/9.00	13.50/12.00/10.20
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35	6.35	6.35
	Gas Pipe (Φ,mm, inch)	12.70	12.70	12.70
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	34.0/30.0/26.0	36.0/34.0/32.0	40.0/38.0/35.0
	Sound Power	51.0	53.0	57.0
External Dimension (Indoor Unit)	Net Weight (kg)	12.00	12.00	12.00
	Net Dimensions (WxHxD) (mm)	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel Model	PC4SUSMFN	PC4SUSMFN	PC4SUSMFN
	Panel Net Weight (kg)	2.70	2.70	2.70
	Net Dimensions (WxHxD) (mm)	620 x 45 x 620	620 x 45 x 620	620 x 45 x 620

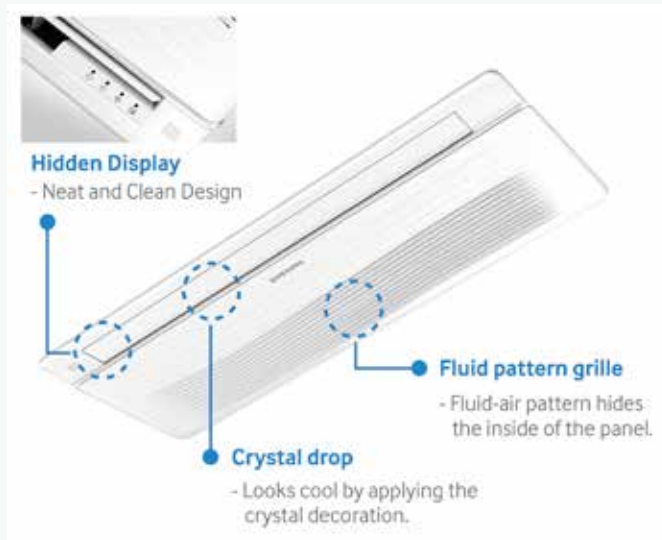


1 Way Cassette

Visually appealing panel

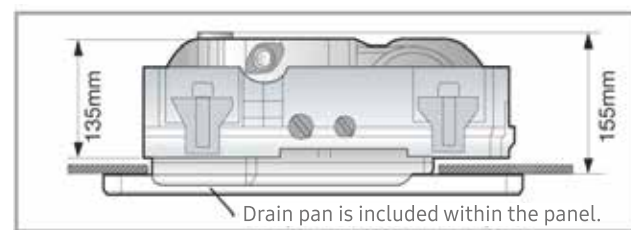
Enhance any décor with refined elegance and comfort

1 Way Cassette features a simple and refined design. The clean lines and simple display design become a modern classic, which looks great with any interior.



Ease installation and maintenance with a slim and compact design

At a height of only 135mm, the 1 Way Cassette is the world's thinnest indoor air cooling unit. The compact, lightweight design makes installation and maintenance in your space easier than ever. These high-performing units are so discreet that they can easily blend into interiors of all types and styles.



NOTE

Make sure that there is enough installation space. Allow at least 170mm for the installation.



Panel area has been reduced by 30%.



1 Way Cassette

Specification



DWS

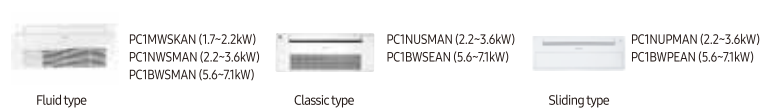
Model Code		AM017HN1DEH/EU	AM022HN1DEH/EU	AM022FN1DEH/EU
Features	Type	1 Way CASSETTE	1 Way CASSETTE	1 Way CASSETTE
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	1.70	2.20	2.20
	Cooling 2) [Btu/h]	5,800	7,500	7,500
	Heating 2) [kW]	1.90	2.50	2.60
	Heating 2) [Btu/h]	6,500	8,500	8,900
Power Input (Nominal)	Cooling 1) [W]	24.00	25.00	40.00
	Heating 2) [W]	24.00	25.00	40.00
Fan	Motor (Output) [W]	27 x 1	27 x 1	17 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	4.80/4.30/4.10	5.10/4.60/4.30	6.00/5.00/4.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")
	Drain Pipe (Φ,mm)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	27.0/24.0/21.0	27.0/25.0/23.0	27.0/25.0/23.0
	Sound Power	43.0	46.0	-
External Dimension (Indoor Unit)	Net Weight (kg)	8.00	8.00	10.50
	Net Dimensions (WxHxD) (mm)	740 x 135 x 360	740 x 135 x 360	970 x 135 x 410
Panel Size	Panel Model	PC1MWSKAN		Fluid : PC1NWSMAN / Stripe : PC1NUSMAN / Sliding : PC1NUPMAN
	Panel Net Weight (kg)	2.60		5.50
	Net Dimensions (WxHxD) (mm)	900 x 25 x 420		1198 x 25 x 500

Model Code		AM028FN1DEH/EU	AM036FN1DEH/EU	AM056JN1DEH/EU	AM071JN1DEH/EU
Features	Type	1 Way CASSETTE	1 Way CASSETTE	1 Way CASSETTE	1 Way CASSETTE
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	2.80	3.60	5.60	7.10
	Cooling 2) [Btu/h]	9,600	12,300	19,100	24,200
	Heating 2) [kW]	3.20	4.00	6.30	8.00
	Heating 2) [Btu/h]	10,900	13,600	21,500	27,300
Power Input (Nominal)	Cooling 1) [W]	45.00	50.00	55.00	80.00
	Heating 2) [W]	45.00	50.00	55.00	80.00
Fan	Motor (Output) [W]	17 x 1	17 x 1	54 x 1	54 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	7.00/6.00/5.00	8.00/7.00/6.00	16.00/14.00/12.50	17.00/15.50/14.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")
	Drain Pipe (Φ,mm)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	29.0/27.0/24.0	35.0/31.0/27.0	36.0/33.0/31.0	39.0/37.0/34.0
	Sound Power	-	-	58.0	60.0
External Dimension (Indoor Unit)	Net Weight (kg)	10.50	10.50	14.50	14.50
	Net Dimensions (WxHxD) (mm)	970 x 135 x 410	970 x 135 x 410	1200 x 138 x 450	1200 x 138 x 450
Panel Size	Panel Model	Fluid : PC1NWSMAN / Stripe : PC1NUSMAN / Sliding : PC1NUPMAN		Fluid : PC1BWSMAN / Stripe : PC1BWSEAN / Sliding : PC1BWPEAN	
	Panel Net Weight (kg)	5.50		6.30	
	Net Dimensions (WxHxD) (mm)	1198 x 25 x 500		1410 x 23 x 500	

Individual
Controllers
Required
(Choices)



Panel
Required
(Choices)



2 Way Cassette

Equip even the narrowest of spaces with high-performance cooling and heating

Samsung 2 Way Cassette is perfectly suited for long and narrow places with limited installation space, thanks to its compact and slim frame. The unit distributes airflow from two sides, providing powerful cooling and heating performance in an instant for a pleasant environment.

The 2 Way Cassette indoor air conditioning unit delivers optimal airflow and efficiency with features such as:

- **Exceptional operation and control.** Easily maintain a calming and comfortable atmosphere with broad airflow coverage, temperature control and self-diagnosis.
- **Easy and flexible installation.** Reduce the time and effort of installation with a compact size that fits the ceiling space impeccably.



2 Way Cassette

Specification



Model Code		AM056FN2DEH/EU	AM071FN2DEH/EU
Features	Type	2 Way CASSETTE (50Hz)	2 Way CASSETTE (50Hz)
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	5.60	7.10
	Cooling 2) [Btu/h]	19,100	24,200
	Heating 2) [kW]	6.30	8.00
	Heating 2) [Btu/h]	21,500	27,300
Power Input (Nominal)	Cooling 1) [W]	70.00	75.00
	Heating 2) [W]	70.00	75.00
Fan	Motor (Output) [W]	14 x 2	14 x 2
	Air Flow Rate (High / Mid / Low) [CMM]	14.00/13.00/12.00	15.00/14.00/13.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	15.88 (5/8")
	Drain Pipe (Φ,mm)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0/37.0/35.0	41.0/39.0/37.0
	Sound Power	62.0	65.0
External Dimension (Indoor Unit)	Net Weight (kg)	21.00	22.00
	Net Dimensions (WxHxD) (mm)	890 x 230 x 575	890 x 230 x 575
Panel Size	Panel Model	PC2NUSMEN	
	Panel Net Weight (kg)	4.00	
	Net Dimensions (WxHxD) (mm)	1030 x 25 x 650	

Individual
Controllers
Required
(Choices)



MWR-WE13N MWR-SH10N MWR-SH00N MR-EH00

Panel
Required
(Choice)



PC2NUSMEN

HSP Duct

Robust, high-pressure control

Control the atmosphere effortlessly with robust, adaptable performance

With the capacity to handle high external static pressure up to 25 mmAq, the powerful Samsung HSP Duct provides an expansive coverage area with outstanding cooling and heating performance. HSP Duct is an ideal fit for spaces with high ceilings and can be flexibly installed to suit various environments.

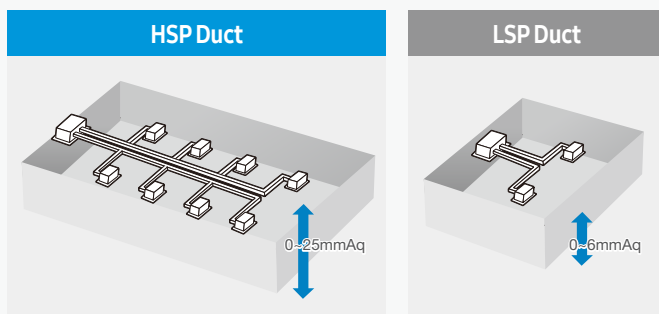


Split fan and coil

Products that are difficult to install are often challenging to use as well. Considering users' product experience from start to finish, Samsung separated the Duct S (AC6000) into two parts, coil and fan, for easier installation and management. When users experience difficulty handling the product due to space limitations or weight, they can install the parts separately and then put them back together as one unit.

Silent operation

The external static pressure control makes it easy to customize the ductwork to ensure efficiency and silent operation.



HSP Duct Specification



DVM S

Model Code		AM112HNHPKH/EU	AM128HNHPKH/EU	AM140HNHPKH/EU
Features	Type	DUCT S	DUCT S	DUCT S
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	11.20	12.80	14.00
	Cooling 2) [Btu/h]	38,200	43,700	47,800
	Heating 2) [kW]	12.50	13.80	16.00
	Heating 2) [Btu/h]	42,700	47,100	54,600
Power Input (Nominal)	Cooling 1) [W]	205.00	230.00	260.00
	Heating 2) [W]	205.00	230.00	260.00
Fan	Motor (Output) [W]	350 x1	350 x1	350 x1
	Air Flow Rate (High / Mid / Low) [CMM]	35.00/29.00/22.00	38.00/32.00/25.00	42.00/34.00/25.00
	External Pressure (Min / Std / Max) [mmAq]	3.00/6.20/20.00	3.00/6.20/20.00	3.00/6.20/20.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0/35.0/32.0	39.0/36.0/32.0	40.0/37.0/32.0
	Sound Power (Cooling) [dB(A)]	63.0	63.0	65.0
External Dimension (Indoor Unit)	Net Weight (kg)	46.50	46.50	46.50
	Net Dimensions (WxHxD) (mm)	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700
Additional Accessories	Drain pump (Optional)	MDP-G075SP	MDP-G075SP	MDP-G075SP

Model Code		AM180JNHFKH/EU	AM224JNHFKH/EU	AM280FNHDEH/EU
Features	Type	HSP DUCT	HSP DUCT	HSP DUCT
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	18.00	22.40	28.00
	Cooling 2) [Btu/h]	61,400	76,400	95,500
	Heating 2) [kW]	20.00	25.00	31.50
	Heating 2) [Btu/h]	68,200	85,300	107,500
Power Input (Nominal)	Cooling 1) [W]	340.00	530.00	790.00
	Heating 2) [W]	340.00	530.00	790.00
Fan	Motor (Output) [W]	630 x1	630 x1	400 x1
	Air Flow Rate (High / Mid / Low) [CMM]	58.00/50.00/43.00	72.00/61.00/50.00	72.00/65.00/58.00
	External Pressure (Min / Std / Max) [mmAq]	5.00/7.34/20.00	5.00/7.34/20.00	5.00/15.00/28.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	19.05 (3/4")	19.05 (3/4")	22.22 (7/8")
	Drain Pipe (Φ,mm)	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	43.0/39.0/35.0	44.0/40.0/36.0	48.0/46.0/43.0
	Sound Power (Cooling) [dB(A)]	80.0	81.0	79.0
External Dimension (Indoor Unit)	Net Weight (kg)	82.50	82.50	89.00
	Net Dimensions (WxHxD) (mm)	1350 x 450 x 910	1350 x 450 x 910	1240 x 470 x 1040
Additional Accessories	Drain pump (Optional)	MDP-G075SP	MDP-G075SP	MDP-N0475NC1D

Individual
Controllers
Required
(Choices)



Drain
Pump
(Optional)



MSP Duct

Silent, strong performance

DRAIN PUMP INCLUDED

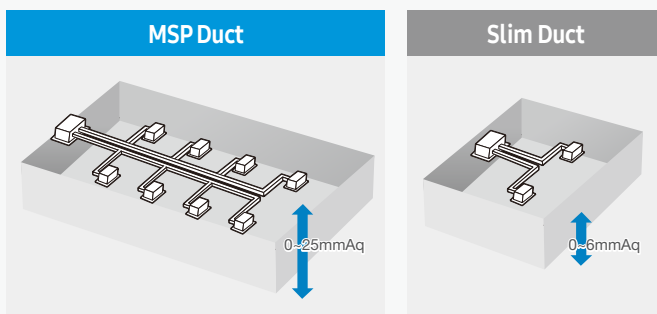
Deliver increased airflow to broader areas with quiet, powerful cooling and heating



Concealed behind the ceiling, Samsung MSP Duct provides powerful yet silent operation with external static pressure control. Its exceptional static pressure enables a broad coverage area and provides stable, efficient performance in larger spaces.

Extensive coverage

MSP Duct offers greater static pressure than most slim ducts. This higher pressure level enables users to design more inlets and outlets with longer ductwork to provide even more airflow to larger areas.

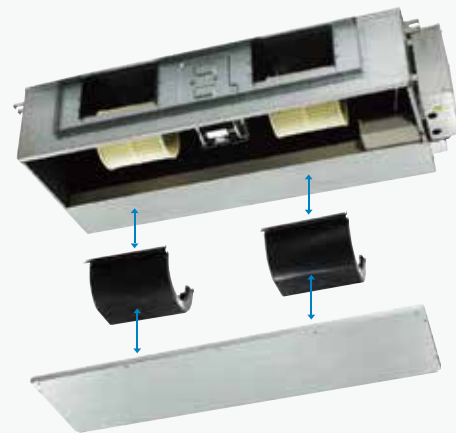


Quiet performance

The external static pressure control makes it easy to customize the ductwork to ensure efficiency and silent operation.

Easy upkeep and installation

The MSP Duct unit features quickly accessible parts so users can maintain the unit with ease. And its compact size and narrow width of 900 mm enable flexible installation and management for added user convenience.



New Line-up (Drain Pump Included)

Drain Pump Included type is benefit of easy installation and saving the labor cost.



MSP Duct Specification

DRAIN PUMP INCLUDED



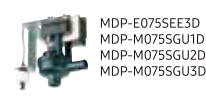
Model Code		AM022KNMDEH/EU	AM028KNMDEH/EU	AM036KNMDEH/EU	AM045KNMDEH/EU	AM056KNMDEH/EU	AM071KNMDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	2.20	2.80	3.60	4.50	5.60	7.10
	Cooling [Btu/h]	7,500	9,600	12,300	15,400	19,100	24,200
	Heating [kW]	2.50	3.20	4.00	5.00	6.30	8.00
	Heating [Btu/h]	8,500	10,900	13,600	17,100	21,500	27,300
Power Input (Nominal)	Cooling [W]	80.00	80.00	85.00	125.00	130.00	190.00
	Heating [W]	80.00	80.00	85.00	125.00	130.00	190.00
Fan	Motor (Output x N) [W]	69 x 1	69 x 1	112 x 1	219 x 1	124 x 1	124 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	8.50/7.50/6.30	10.00/9.20/7.50	12.00/10.20/8.80	14.00/12.00/10.50	14.50/13.00/11.50	18.50/17.00/15.50
	External Pressure (Min / Std / Max) [mmAq]	0.00/2.00/6.00	0.00/2.00/6.00	0.00/2.00/6.00	0.00/4.00/8.00	0.00/4.00/8.00	0.00/4.00/8.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")
	Drain Pipe (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)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	23.0/21.0/19.0	24.0/22.0/19.0	29.0/27.0/24.0	32.0/30.0/28.0	35.0/33.0/31.0	39.0/35.0/31.0
	Sound Power (Cooling) [dB(A)]	47.0	48.0	60.0	63.0	66.0	71.0
External Dimension (Indoor Unit)	Net Weight (kg)	24.00	24.00	24.00	28.50	28.50	28.50
	Net Dimensions (WxHxD) (mm)	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	900 x 260 x 480	900 x 260 x 480	900 x 260 x 480

Model Code		AM090KNMDEH/EU	AM112KNMDEH/EU	AM128KNMDEH/EU	AM140KNMDEH/EU	AM160KNMDEH/EU
Power Supply (Indoor Unit) [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
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	9.00	11.20	12.80	14.00	16.00
	Cooling [Btu/h]	30,700	38,200	43,700	47,800	54,600
	Heating [kW]	10.00	12.50	13.80	16.00	18.00
	Heating [Btu/h]	34,100	42,700	47,100	54,600	61,400
Power Input (Nominal)	Cooling [W]	240.00	260.00	370.00	410.00	485.00
	Heating [W]	240.00	260.00	370.00	410.00	485.00
Fan	Motor (Output x N) [W]	130 x 1	130 x 1	218 x 1	218 x 1	370 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	19.50/18.00/16.50	27.00/25.00/23.00	32.00/30.00/28.00	37.00/34.00/31.00	43.00/38.00/30.50
	External Pressure (Min / Std / Max) [mmAq]	4.00/6.00/8.00	4.00/8.00/12.00	4.00/8.00/14.00	4.00/8.00/14.00	4.00/8.00/14.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (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)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/37.0/34.0	41.0/40.0/38.0	41.0/40.0/38.0	42.0/39.0/36.0	43.0/40.0/36.0
	Sound Power (Cooling) [dB(A)]	71.0	72.0	72.0	73.0	69.0
External Dimension (Indoor Unit)	Net Weight (kg)	32.50	36.00	48.50	48.50	50.5
	Net Dimensions (WxHxD) (mm)	1150 x 260 x 480	1150 x 320 x 480	1200 x 360 x 650	1200 x 360 x 650	1200 x 360 x 650

Individual
Controller
Required
(Choices)



Drain
Pump
(Included)



DVM S

LSP Duct

Ultra-light, adaptable design

DRAIN PUMP INCLUDED

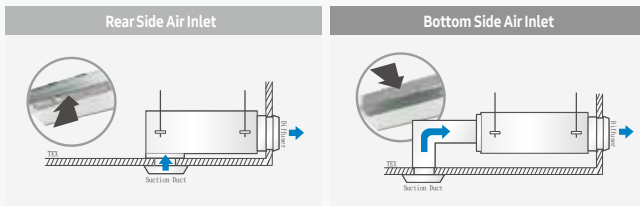


Temper any environment with industry-best lightweight design and optimized airflow

The new Samsung Slim Duct visually blends into the ceiling while providing powerful cool and warm airflow. It's also easy to install and maintain in any interior regardless of the surrounding environment with its compact size and weight—the lightest in the industry.

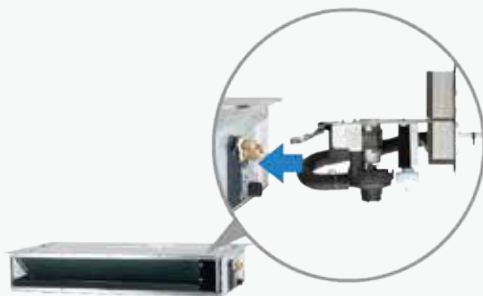
Flexible setup

The air inlet can be set up either on the bottom or rear of the unit, giving users greater flexibility in installation.



New Line-up (Drain Pump Included)

Drain Pump Included type is benefit of easy installation and saving the labor cost

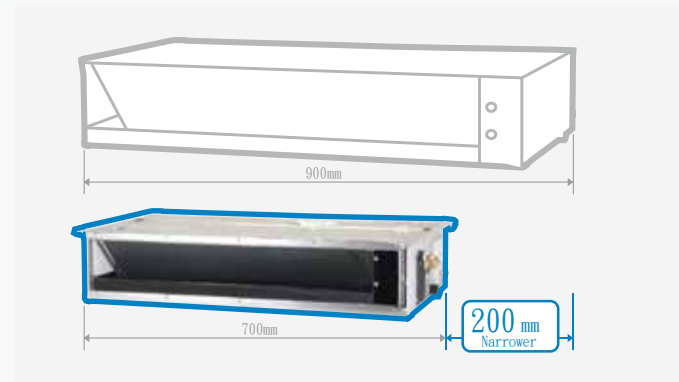


Various installation options

Slim Duct S adopts an ultra-compact, slim size with its thin width, which is 200 mm narrower than conventional products. This slender build enables flexible installation and maintenance in various environments.

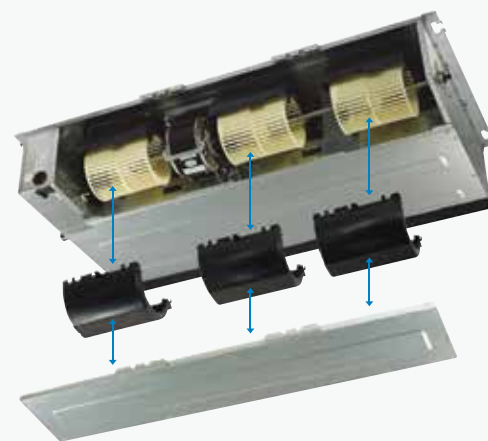
World's lightest weight

The efficient Slim Duct S is the lightest duct air conditioning unit on the market. At a weight that's 15 percent lighter than conventional units, Slim Duct S offers the best in convenient installation and maintenance.



Easy access, easy maintenance

Slim Duct features a flexible design that enables users to easily access its parts to maintain the unit.



LSP Duct Specification

DRAIN PUMP INCLUDED



Model Code		AM017KNLDEH/EU	AM022KNLDEH/EU	AM028KNLDEH/EU	AM036KNLDEH/EU	AM045KNLDEH/EU	AM056KNLDEH/EU
Power Supply (Indoor Unit) [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
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	1.70	2.20	2.80	3.60	4.50	5.60
	Cooling [Btu/h]	5,800	7,500	9,600	12,300	15,400	19,100
	Heating [kW]	1.90	2.50	3.20	4.00	5.00	6.30
	Heating [Btu/h]	6,500	8,500	10,900	13,600	17,100	21,500
Power Input (Nominal)	Cooling [W]	28.00	30.00	34.00	40.00	90.00	95.00
	Heating [W]	28.00	30.00	36.00	42.00	90.00	95.00
Fan	Motor (Output x N) [W]	69 x 1	69 x 1	69 x 1	69 x 1	-	-
	Air Flow Rate (High / Mid / Low) [CMM]	5.45/4.45/3.80	6.00/4.90/3.80	7.05/5.15/4.35	8.20/6.50/4.90	11.00/9.60/8.30	12.00/10.50/9.00
	External Pressure (Min / Std / Max) [mmAq]	0.00/1.00/3.00	0.00/1.00/3.00	0.00/1.00/3.00	0.00/1.00/3.00	0.00/2.00/4.00	0.00/2.00/4.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")
	Drain Pipe (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)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	25.0/23.0/22.0	26.0/23.0/22.0	28.0/26.0/24.0	31.0/28.0/25.0	35.0/31.0/26.0	36.0/34.0/31.0
	Sound Power (Cooling) [dB(A)]	40.0	42.0	44.0	46.0	53.0	55.0
External Dimension (Indoor Unit)	Net Weight (kg)	15.30	15.30	15.30	15.70	24.50	24.50
	Net Dimensions (WxHxD) (mm)	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440	900 x 199 x 600	900 x 199 x 600

Model Code		AM071KNLDEH/EU	AM090KNLDEH/EU	AM112KNLDEH/EU	AM128KNLDEH/EU	AM140KNLDEH/EU
Power Supply (Indoor Unit) [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
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	7.10	9.00	11.20	12.80	14.00
	Cooling [Btu/h]	24,200	30,700	38,200	43,700	47,800
	Heating [kW]	8.00	10.00	12.50	13.80	16.00
	Heating [Btu/h]	27,300	34,100	42,700	47,100	54,600
Power Input (Nominal)	Cooling [W]	120.00	170.00	170.00	200.00	220.00
	Heating [W]	120.00	170.00	170.00	200.00	220.00
Fan	Motor (Output x N) [W]	-	-	-	-	-
	Air Flow Rate (High / Mid / Low) [CMM]	16.50/15.00/13.50	29.00/27.00/25.00	31.20/29.00/27.00	34.00/32.00/30.00	36.00/34.00/32.00
	External Pressure (Min / Std / Max) [mmAq]	0.00/2.00/4.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (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)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0/36.0/33.0	37.0/36.0/34.0	37.0/36.0/34.0	37.0/36.0/34.0	39.0/38.0/36.0
	Sound Power (Cooling) [dB(A)]	57.0	66.0	66.0	66.0	68.0
External Dimension (Indoor Unit)	Net Weight (kg)	30.50	40.50	40.50	42.00	42.00
	Net Dimensions (WxHxD) (mm)	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

Individual Controller Required (Choices)



Drain Pump (Included)



O.A.P (Outdoor Air Processing Duct)

100% fresh treated air supply

Conserve energy and costs with practical, high-powered operation

Samsung's new Outdoor Air Processing Duct is an outdoor fresh air treatment unit with integrated ventilation, combining fresh air processing and air conditioning via a single system.

Air conditioning indoor units and an Outdoor Air Processing unit can be connected to the same refrigerant line, resulting in enhanced design flexibility and a significant reduction in total system costs. A BLDC motor extends the savings with considerably less energy consumption.

High-efficiency motor

The BLDC motor supports the highest efficiency level possible. Its low-consumption design saves up to 32 percent more energy than conventional products for more economical and practical operation.

Quiet operation

Equipped with the proficient BLDC motor, Outdoor Air Processing Duct operates quietly with a sound level as low as 42 dB, slightly higher than that of a library. Such distraction-free operation ensures optimum comfort and calm for any environment.

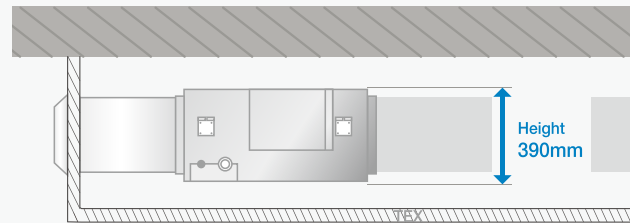


Full-range temperature processing

Samsung Outdoor Air Processing Duct supplies fresh air to the interior environment by cold or heat processing a wide spectrum of outside temperatures ranging from -5°C to 52°C.

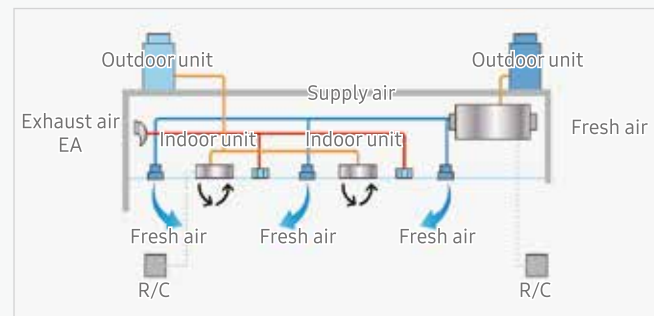
Flexible installation

This light and compact unit, with its shorter height of 390mm, enables users to conveniently install and manage it in a variety of areas with a host of installation options.



Flexible static pressure control

If the installation area of the duct exceeds the standard, then the static pressure control system maintains the optimized air volume by adjusting the fan speed.



O.A.P Duct Specification



Model Code		AM140MNEPEH/EU	AM220MNEPEH/EU	AM280MNEPEH/EU
Features	Type	OAP Duct	OAP Duct	OAP Duct
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP	HP	HP
Capacity	Cooling 2) [kW]	14.00	22.40	28.00
	Cooling 2) [Btu/h]	47,800	76,400	95,500
	Heating 2) [kW]	8.90	13.90	17.40
	Heating 2) [Btu/h]	30,400	47,400	59,400
Power Input (Nominal)	Cooling 1) [W]	300.00	450.00	600.00
	Heating 2) [W]	300.00	450.00	600.00
Fan	Motor (Output) [W]	183 x1	630 x1	630 x1
	Air Flow Rate (High / Mid / Low) [CMM]	18.00/-/-	28.00/-/-	35.00/-/-
	External Pressure (Min / Std / Max) [mmAq]	15.3/20.4/25.5	18.4/23.4/29.6	20.4/25.5/30.6
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	15.88 (5/8")	19.05 (3/4")	22.22 (7/8")
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	42.0/-/-	46.0/-/-	47.0/-/-
	Sound Power (Cooling) [dB(A)]	65.0	66.0	69.0
External Dimension (Indoor Unit)	Net Weight (kg)	49.00	81.5	81.5
	Net Dimensions (WxHxD) (mm)	1210 x 370 x 656	1360 x 460 x 910	1360 x 460 x 910
Additional Accessories	Drain pump (Optional)	MDP-M075SGU2D	MDP-G075SP	MDP-G075SP

Individual
Controllers
Required
(Choices)



MWR-WE13N MWR-SH10N MWR-SH00N MR-EH00 MRK-A10N

Drain
Pump
(Optional)



MDP-M075SG02D
MDP-G075SP

Wall Mounted (Boracay)

Fast cooling, faster comfort

Fast Cooling Mode cools the room 15% faster than General mode*

by running the maximum level with the fastest fan speed for 30 minutes. So it provides relief from the sweltering heat outside. Full HD 80 Filter filtration dust particles by up to 80%, and due to the anti-bacterial coating, this filter effectively removes harmful biological contaminants.



Enjoy a good night's sleep

Good Sleep mode creates the desirable climate for a good night's sleep. With its temperature control and moisture adjustment it may help you feel comfortable during your sleep.

Wall Mounted (MAX 9.3 kW)

The wall mounted indoor unit of the bigger capacity

This product of bigger capacity which is suitable for the space difficult to install in the ceiling including the school, office, retail and etc.

This wall-mounted type of large capacity is suitable to avoid falling water from ceiling in the server room environment.



Wall Mounted Specification



AM015KNQDEH/EU - AM071KNQDEH/EU



AM093MNQDEH/EU

Model Code		AM015KNQDEH/EU	AM022KNQDEH/EU	AM028KNQDEH/EU	AM036KNQDEH/EU	AM045KNQDEH/EU
Features	Type	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
Power Supply (Indoor Unit) [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
System	Mode	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
Capacity	Cooling [kW]	1.5	2.2	2.8	3.6	4.5
	Cooling [Btu/h]	5100	7500	9600	12300	15400
	Heating [kW]	1.7	2.5	3.2	4	5
	Heating [Btu/h]	5800	8500	10900	13600	17100
Power Input (Nominal)	Cooling [W]	32	32	38	42	47
	Heating [W]	34	35	39	42	47
Fan	Motor (Output x N) [W]	19W x 1	19W x 1	19W x 1	19W x 1	28W x 1
	Air Flow Rate (High / Mid / Low) [CMM]	6.2/5.7/5.1	6.6/5.7/5.1	7.0/6.2/5.5	8.5/7.5/6.6	13.9/12.4/11.2
Piping Connections	Liquid Pipe (Φ, mm, inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe (Φ, mm, inch)	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
	Drain Pipe (Φ,mm)	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Refrigerant	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	30/28/25	31/28/25	31/29/26	36/33/29	38/35/33
	Sound Power Cooling [dB(A)]	47	48	48	51	53
External Dimension (Indoor Unit)	Net Weight [kg]	8.5	8.5	9	9	12.5
	Net Dimensions (WxHxD) [mm]	820 x 285 x 227	820 x 285 x 227	820 x 285 x 227	1065 x 298 x 243	1065 x 298 x 243

Model Code		AM056KNQDEH/EU	AM071KNQDEH/EU	AM093MNQDEH/EU
Features	Type	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP / HR	HP / HR	HP / HR
Capacity	Cooling [kW]	5.6	6.8	9.3
	Cooling [Btu/h]	19100	23200	31,700
	Heating [kW]	6.3	7	9.8
	Heating [Btu/h]	21500	23900	33,400
Power Input (Nominal)	Cooling [W]	48	51	66
	Heating [W]	48	53	76
Fan	Motor (Output x N) [W]	28W x 1	28W x 1	58W x 1
	Air Flow Rate (High / Mid / Low) [CMM]	14.4/12.9/11.2	15.7/14.1/12.9	23 / 20 / 17
Piping Connections	Liquid Pipe (Φ, mm, inch)	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ, mm, inch)	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,mm)	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Refrigerant	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	39/36/33	40/38/35	49/46/43
	Sound Power Cooling [dB(A)]	53	55	65
External Dimension (Indoor Unit)	Net Weight [kg]	12.5	12.5	19
	Net Dimensions (WxHxD) [mm]	1065 x 298 x 243	1065 x 298 x 243	1279 x 345 x 229

Individual
Controller
Required
(Choices)



MWR-WE13N MWR-SH10N MWR-SH00N MR-EH00

Ceiling

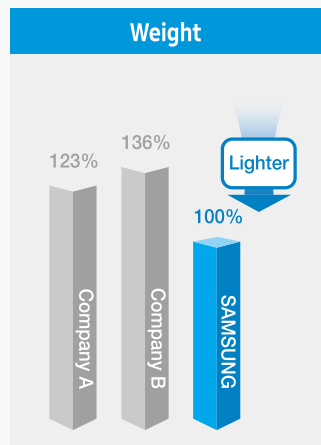
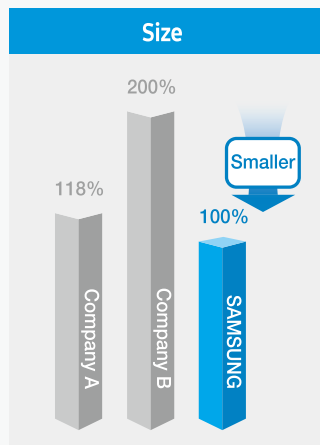
Slim yet functional design

Distribute refreshing airflow where needed with a compact, flexible design

Samsung's Ceiling Type indoor unit has 2-way installation options for the ceiling and floor, enabling more efficient use of available space. Users can enjoy crisp and powerful air throughout their space from the compact unit in the ceiling or floor.

Small package, big performance

The Samsung Ceiling Type air conditioner boasts a slim, compact design—half the size of conventional products—with cooling power comparable to larger units.



7.1kW Model



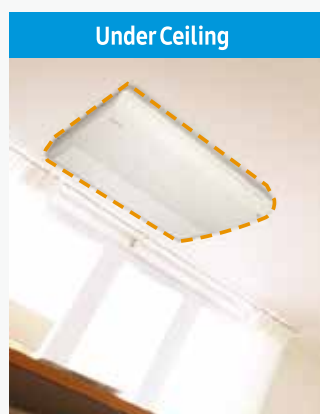
Fast cooling, 15m air flow

When users need air conditioning, they need it quickly. While the Ceiling uses latest flow-efficient blowers to increase amount of air it discharges, it also mounts a single BLDC motor to reduce noises and possibilities of abrupt changes of modes. With increased size of inlet area and fluid dynamically designed inner passages, customers can experience incomparable cooling power.

Also, with the advanced blade, which can move from 4° to 45°, Samsung ceiling type can refreshingly cool air that reaches every corner of the room with no blind spots.

Choice of installation options

Depending on the available space and the purpose of the air conditioner, the indoor unit can be installed behind the ceiling or on the floor.



Simple display

The simple display design with its rounded corners adds a neat and tidy feeling to your interior.



- Ice Blue : Operating
- Yellow Green : Schedule
- Red : Error
- Orange : Filter Alarm
- Time Limit + Operating Pattern

Ceiling Specification



Model Code		AM056FNCDEH/EU	AM071FNCDEH/EU	AM112JNC DKH/EU	AM140JNC DKH/EU
Features	Type	CEILING (50Hz)	CEILING (50Hz)	CEILING (50Hz)	CEILING (50Hz)
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50/60	1,2,220-240,50/60
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	5.60	7.10	11.20	14.00
	Cooling 2) [Btu/h]	19,100	24,200	38,200	47,800
	Heating 2) [kW]	6.30	8.00	12.50	16.00
	Heating 2) [Btu/h]	21,500	27,300	42,700	54,600
Power Input (Nominal)	Cooling 1) [W]	72.00	80.00	92.00	160.00
	Heating 2) [W]	72.00	77.00	80.00	160.00
Fan	Motor (Output) [W]	60 x 1	120 x 1	260 x 1	355 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	14.00/13.00/12.00	18.00/16.50/15.00	29.30/23.90/18.50	36.40/30.80/26.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,mm)	ID 18 HOSE	ID 18 HOSE	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)
Refrigerant	Control Method	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/37.0/34.0	44.0/42.0/40.0	45.0/41.0/37.0	46.0/43.0/38.0
	Sound Power (Cooling) [dB(A)]	-	-	61.0	63.0
External Dimension (Indoor Unit)	Net Weight (kg)	21.00	21.00	33.50	42.50
	Net Dimensions (WxHxD) (mm)	1000 x 650 x 200	1000 x 650 x 200	1350 x 675 x 235	1650 x 675 x 235

Individual
Controllers
Required
(Choices)



MWR-WE13N MWR-SH10N MWR-SH00N MR-EH00

ERV Plus/ERV

Enjoy high-efficiency ventilation for a more refreshing atmosphere

Indoor air quality is gaining more and more attention as increasing numbers of people become ill from airborne contaminants. Indoor air contamination is often the cause behind building-related syndromes, such as asthma, headaches and dizziness.

The Samsung ERV (Energy Recovery Ventilation) system air conditioner provides fresh and healthy air from outside while minimizing energy loss for maximum efficiency. Its intelligent structure incorporates features specifically designed for flawless ventilation and efficient operation.

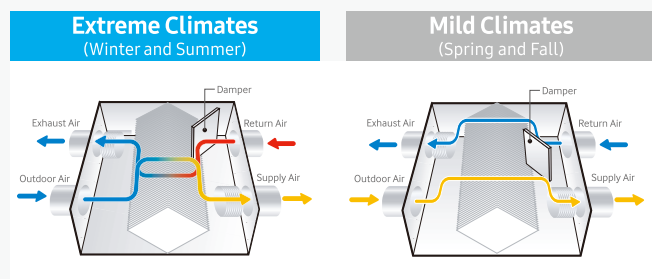
Drive energy savings with unparalleled heat exchange and automated temperature control

Samsung ERV and ERV Plus deliver exceptional cooling and heating all year round by employing the following heat recovery method:

1. A 2-way ventilation design with air inlets and outlets on both sides of the units provides superior ventilation efficiency.
2. The remaining surface of the heat exchange area transfers heat energy while preventing the discharged contaminants from re-entering.
3. The system recovers up to 70 percent of the energy needed to cool or heat the environment. The efficient heat recovery maintains the indoor temperature and humidity during the winter, and prevents outdoor heat and moisture from entering indoors during the summer.

Auto Mode

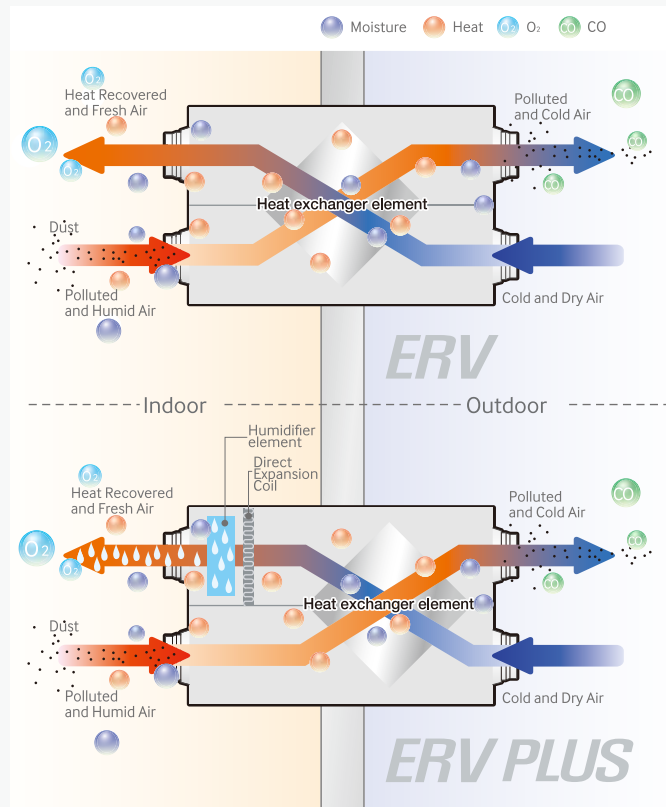
ERV and ERV Plus automatically change operation mode, depending on the temperature difference between the indoor and outdoor environment, to conserve energy.



Smart CO₂ Detection

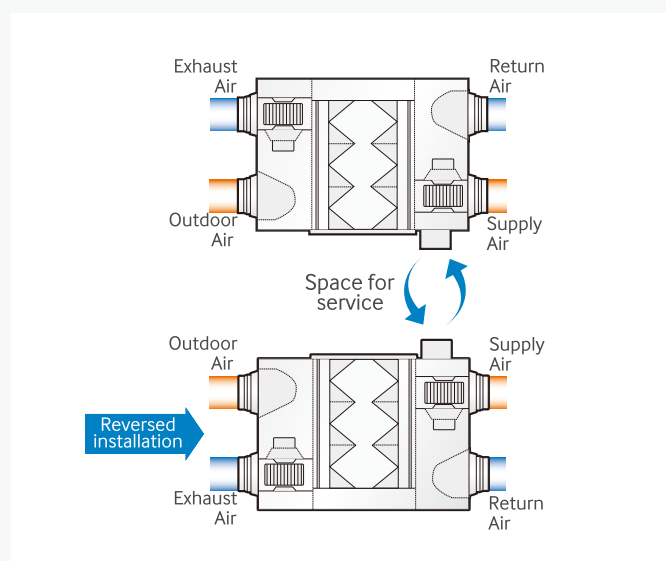
ERV provides fresh in-room airflow by detecting CO₂ with the optional CO₂ Sensor. Users can also attach a humidity stat (procured locally), which detects the moisture of the room and automatically adjusts its humidity level.

Heat Recovery Method of ERV System



Flexible Setup*

The ERV system can be installed vertically or horizontally. This installation flexibility saves time on maintenance when installing more than one unit. Users can reduce the number of service holes by installing ERV with the control box facing a single service hole (applicable to ERV only).



ERV Plus/ERV

Specification



Model Code		AM050FNKDEH/EU	AM100FNKDEH/EU
Features	Type	ERV PLUS	ERV PLUS
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	3.60	7.10
	Cooling [Btu/h]	12,300	24,200
	Heating [kW]	4.00	8.00
	Heating [Btu/h]	13,600	27,300
Power Input (Nominal)	Cooling [W]	220.00	510.00
	Heating [W]	220.00	510.00
Fan	Motor (Output) [W]	60 x 2	70 x 2
	Air Flow Rate (High / Mid / Low) [CMH]	500/500/360	1000/1000/690
	External Static Pressure (Min / Std / Max) [mmAq]	8.70/10.20/16.32	7.60/9.20/15.30
Piping Connections	Liquid Pipe (Φ, mm)	6.35 (1/4")	6.35 (1/4")
	Gas Pipe (Φ, mm)	12.70 (1/2")	12.70 (1/2")
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36.0/32.0/28.0	36.0/33.0/31.0
	Sound Power (Cooling) [dB(A)]	67.0	67.0
External Dimension (Indoor Unit)	Net Weight (kg)	61.00	90.00
	Net Dimensions (WxHxD) (mm)	1553 x 270 x 1000	1763 x 340 x 1135

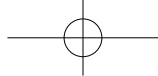
Model Code		AN026JSKLN/EU	AN035JSKLN/EU	AN050JSKLN/EU	AN080JSKLN/EU	AN100JSKLN/EU
Features	Type	ERV	ERV	ERV	ERV	ERV
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Fan	Air Flow Rate (High / Mid / Low) [CMH]	260 / 250 / 180 CMH	350 / 350 / 260 CMH	500 / 500 / 360 CMH	800 / 800 / 560 CMH	1000 / 1000 / 690 CMH
Mode		TEMPERATURE EXCHANGE	TEMPERATURE EXCHANGE	TEMPERATURE EXCHANGE	TEMPERATURE EXCHANGE	TEMPERATURE EXCHANGE
Power Input [W]		115.00	115.00	175.00	330.00	450.00
Current [A]		0.70	0.70	1.10	2.10	2.90
Temperature Exchange	Cooling [%]	70.00	70.00	70.00	70.00	70.00
	Heating [%]	74.00	78.00	74.00	77.00	74.00
Effective Enthalpy Exchange Efficiency	Cooling [%]	70.00	70.00	70.00	70.00	70.00
	Heating [%]	-	-	-	-	-
Net Weight [kg]		28.50	42.50	42.50	67.00	67.00
Gross Weight [kg]		32.50	53.50	53.50	75.50	75.50
Net Dimensions (WxHxD) [mm]		660 x 350 x 600	1012 x 270 x 1000	1012 x 270 x 1000	1220 x 340 x 1135	1220 x 340 x 1135
Gross Dimensions (WxHxD) [mm]		816 x 420 x 769	1308 x 355 x 1192	1308 x 355 x 1192	1480 x 435 x 1330	1480 x 435 x 1330

Individual
Controllers
Required
(Choices)



Optional
Items
(Choices)

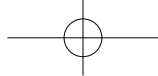




FJM (Free Joint Multi)



FJM



FJM

Introduction

Achieve multi-room temperature control with a flexible, easy-to-install and energy-efficient solution.

Experience ultimate comfort at home or work with reliable, efficient performance

The Samsung Free Joint Multi (FJM) system air conditioner combines efficiency and reliability to deliver outstanding performance in a space-saving design. Supporting up to five indoor units, Samsung FJM is a perfectly optimized cooling system for residences and smaller buildings with limited installation space. Its lightweight, small-scale build and one-button auto-addressing enable easy and low-cost installation, while its uniquely quiet design ensures soothing comfort and maximum efficiency.

The Samsung FJM system air conditioner delivers optimal comfort, efficiency and performance with features such as:

- **High performance.** Rely on smooth, efficient operation with high-performance compressor technology.
- **Easy installation.** Ease installation and minimize effort with a small footprint and one-button auto-addressing.
- **Low noise levels.** Enjoy a more peaceful home or work environment with quiet operation, thanks to double-layered sound insulation.



FJM

High performance

Maintain optimal comfort and control with energy and cost-efficient technologies

Featuring a suite of energy-optimizing technologies, Samsung FJM delivers top-class energy efficiency to support businesses in saving costs and the environment. Plus, CAC Single with its smart technologies fully complies with new European Union (EU) regulations for more efficient performance.

Drive higher performance with unmatched stability

A key contributor to Samsung FJM's efficiency is its advanced compressor technology. With its smart compressor design and premium moving parts, the FJM air conditioning system delivers balanced performance for high reliability and FJM fully complies with new EU regulations for more efficient performance.

Smooth performance

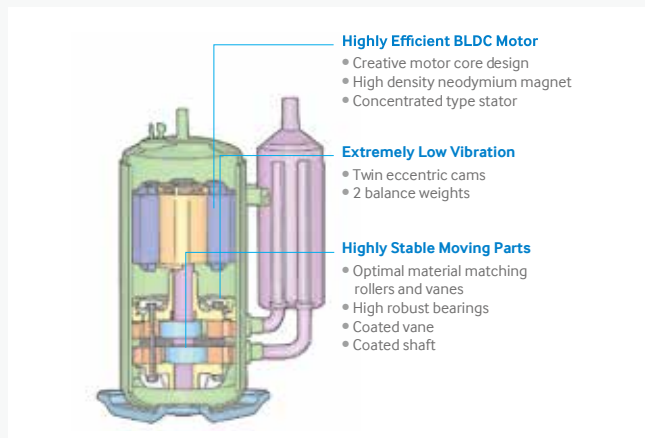
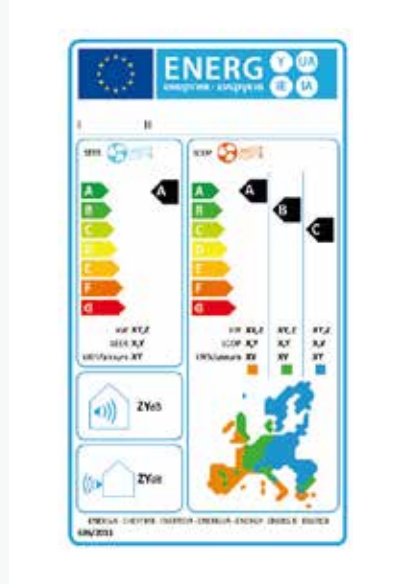
Samsung Free Joint Multi adopts the innovative Twin Brushless Direct Current (BLDC) rotary compressor for more efficient performance. Its stable twin eccentric cams and two balance weights reduce torque variation by 70 percent compared to the conventional Single BLDC compressor, offering smoother and more consistent operation. High-quality moving parts such as robust bearings, as well as premium matching rollers and vanes, produce a high degree of stability and durability.

Streamline installation with a compact design and automated operation

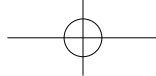
The FJM's compact design means that it can be easily incorporated into a variety of professional and residential situations, with the flexibility to support up to five indoor units. In addition, the one-button auto-addressing feature simplifies installation, which results in minimal disruption to the day-to-day activities of busy companies.

Easy, one-touch setup

FJM's one-button auto-addressing solution makes installation easier than ever.



FJM

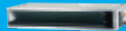


FJM


Line-up

4kW	5kW
	
6.8kW	8kW
	
10kW	12.5kW / 14kW
	

Duct

Model	
	LSP (Slim)
Capacity	•
2.6	•
3.5	•
5.2	•
7.1	•

Wall Mounted

Model	
	Wind-free
Capacity	•
2.0	•
2.6	•
3.5	•
5.0	•
6.8	•

Concerning exact capacity for each model above, please refer to the specification sheet in detail.

FJM

Specification



Model Code		AJ040TXJ2KH/EA	AJ050TXJ2KH/EA	AJ068TXJ3KH/EA	AJ080TXJ4KH/EA
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220~240,50/60	1,2,220~240,50/60	1,2,220~240,50/60	1,2,220~240,50/60
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	4.00	5.00	6.80	8.00
	Cooling [Btu/h]	13,600	17,100	23,200	27,300
	Heating [kW]	4.40	5.70	8.00	9.00
	Heating [Btu/h]	15,000	19,400	27,300	30,700
Power Input (Nominal)	Cooling 1) [kW]	1.02	1.32	2.00	2.38
	Heating 2) [kW]	0.99	1.35	1.91	2.13
COP	Nominal Cooling	3.92	3.79	3.40	3.36
	Nominal Heating	4.44	4.22	4.19	4.23
Fan	Air Flow Rate (High / Mid / Low) [CMM]	34.5	34.5	55.4	55.4
Piping Connections	Installation Max. Length [m]	30	30	50	70
	Installation Max. Height [m]	15	15	15	15
Refrigerant	Type	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	45	46	48	48
	Sound Power [dB(A)]	60	61	64	64
External Dimension (Outdoor Unit)	Net Weight [kg]	35.5	36.0	53.5	57.5
	Net Dimensions (WxHxD) [mm]	790 x 548 x 285	790 x 548 x 285	880 x 798 x 310	880 x 798 x 310
Operating Temp. Range	Cooling [°C]	-10.0 ~ 46.0	-10.0 ~ 46.0	-10.0 ~ 46.0	-10.0 ~ 46.0
	Heating [°C]	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0

Model Code		AJ100TXJ5KH/EA	AJ125TXJ5KH/EA	AJ140TXJ5KH/EA
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220~240,50/60	1,2,220~240,50/60	1,2,220~240,50/60
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	10.00	12.50	14.00
	Cooling [Btu/h]	34,100	42,600	47,700
	Heating [kW]	12.00	13.50	15.00
	Heating [Btu/h]	40,900	46,000	51,100
Power Input (Nominal)	Cooling 1) [kW]	2.90	3.95	4.84
	Heating 2) [kW]	2.93	3.46	4.28
COP	Nominal Cooling	3.45	3.16	2.89
	Nominal Heating	4.10	3.9	3.5
Fan	Air Flow Rate (High / Mid / Low) [CMM]	72.7	94	94
Piping Connections	Installation Max. Length [m]	70	70	70
	Installation Max. Height [m]	15	15	15
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	54	52	52
	Sound Power [dB(A)]	70	70	70
External Dimension (Outdoor Unit)	Net Weight [kg]	76.5	87.5	87.5
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 1,210 x 330	940 x 1,210 x 330
Operating Temp. Range	Cooling [°C]	-10.0 ~ 46.0	-10.0 ~ 46.0 °C	-10.0 ~ 46.0 °C
	Heating [°C]	-15.0 ~ 24.0	-15.0 ~ 24.0 °C	-15.0 ~ 24.0 °C

Wall Mounted (Wind-Free™ Premium) Specification



Model Code	AJ020TNAPKH/EA	AJ025TNAPKH/EA	AJ035TNAPKH/EA
Power Supply (Indoor Unit) [Φ, #, V, Hz]	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
System	HP	HP	HP
Capacity	Cooling [kW]	2.0	2.5
	Cooling [Btu/h]	6,800	8,500
	Heating [kW]	2.2	3.2
	Heating [Btu/h]	7,500	10,900
Power Input (Nominal)	Cooling 1) [W]	40	40
	Heating 2) [W]	40	40
Fan	Air Flow Rate(High/Mid/Low)[L/S]	Cooling : 165 / 153 / 140 / 122, Heating : 180 / 167 / 155 / 137	Cooling : 172 / 160 / 140 / 122, Heating : 187 / 173 / 155 / 137
Piping Connections	Drain Pipe (Φ,mm)	16.3, 550	16.3, 550
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure [dB(A)]	38 / 23	38 / 23
	Sound Power [dB(A)]	54	54
External Dimension (Indoor Unit)	Net Weight [kg]	10.6	10.6
	Net Dimensions (WxHxD) [mm]	889 x 299 x 215	889 x 299 x 215

Model Code	AJ050TNAPKH/EA	AJ068TNAPKH/EA	
Power Supply (Indoor Unit) [Φ, #, V, Hz]	1,2,220-240,50/60	1,2,220-240,50/60	
System	HP	HP	
Capacity	Cooling [kW]	5.0	6.2
	Cooling [Btu/h]	17,100	21,200
	Heating [kW]	6.0	8.0
	Heating [Btu/h]	20,500	27,300
Power Input (Nominal)	Cooling 1) [W]	50	50
	Heating 2) [W]	50	50
Fan	Air Flow Rate(High/Mid/Low)[L/S]	Cooling : 270 / 253 / 227 / 202, Heating : 280 / 262 / 237 / 212	Cooling : 335 / 300 / 265 / 228, Heating : 340 / 303 / 267 / 232
Piping Connections	Drain Pipe (Φ,mm)	16.3, 550	16.3, 550
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure [dB(A)]	42 / 30	47 / 30
	Sound Power [dB(A)]	58	64
External Dimension (Indoor Unit)	Net Weight [kg]	12.5	12.5
	Net Dimensions (WxHxD) [mm]	1,055 x 299 x 215	1,055 x 299 x 215

* Product Specifications in the publication can be changed without prior notice, because there is always ongoing improvement in our products.

Individual
Controllers
(Optional)



MWR-WE10



MIM-A00
(for wired control)

Duct Specification



Model Code		AJ026TNLDKH/EA	AJ035TNLDKH/EA	AJ052TNLDKH/EA	AJ071TNLDKH/EA
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP	HP	HP	HP
Capacity	Cooling [kW]	2.6	3.5	5.2	7.1
	Cooling [Btu/h]	8,900	11,900	17,700	24,200
	Heating [kW]	2.9	3.8	5.6	8.0
	Heating [Btu/h]	9,900	13,000	19,100	27,300
Power Input (Nominal)	Cooling 1) [W]	40	40	50	115
	Heating 2) [W]	40	40	50	115
Fan	Air Flow Rate(High/Mid/Low) [CMM]	9.1 / 7.7 / 5.7	9.5 / 7.9 / 6.2	14.0 / 9.8 / 5.4	20.5 / 17.0 / 14.0
Piping Connections	Drain Pipe (Φ,mm)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Refrigerant	Type	R410A	R410A	R410A	R410A
Sound	Sound Pressure (High/Mid/Low) [dB(A)]	32 / 27 / 22	33 / 28 / 23	33 / 29 / 23	39 / 36 / 32
	Sound Power (Cooling) [dB(A)]	50	50	50	56
External Dimension (Indoor Unit)	Net Weight [kg]	14.8	14.8 kg	18.9 kg	22
	Net Dimensions (WxHxD) [mm]	700 x 199 x 440	700 x 199 x 440	900 x 199 x 440	1,100 x 199 x 440
Additional Accessories	Air Filter	Removable / Washable	Removable / Washable	Removable / Washable	Removable / Washable














* Nominal Cooling : Indoor temperature 27°C DB / 19°C WB, Outdoor temperature 35°C DB / 24°C WB, Pipe length 5m, Level difference 0m.

* Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

* Product Specifications in the publication can be changed without prior notice, because there is always ongoing improvement in our products.













Controller Line up & Compatibility Table

Control System

Classification	Product	Model Name	Product Image	Compatibility Table										
				DVM	CAC	DVM Chiller	Water FCU	FCU Kit	ERV	ERV Kit	ERV Plus	PAC	AHU Kit	
Individual Control System	Wireless Remote Controller	AR-EH03E		●	●		●	●						●
	Wireless Remote Controller (360 Cassette Only)	AR-KH03E		●	●		●							
	Wired Remote Controller	MWR-WE13N		●	●		●	●	●		●			●
	Wired Remote Controller - Simple Type	MWR-SH00N		●	●		●	●						
	Wired Remote Controller - Touch Simple Type	MWR-SH10N		●	●		●	●						
	ERV Wired Remote Controller	MWR-VH12N								●		●		
	Receiver Kit (Duct Only)	MRK-A10N		●	●									
Centralised Control System	Touch Centralized Controller	MCM-A300N		●	●	●	●	●	●	●	●	●	●	●
	Onoff Controller	MCM-A202DN		●	●	●	●	●	●			●	●	●
	Wi-Fi Kit	MIM-H04EN		●	●		●		●	●	●	●	●	●
	Module Controller	MCM-A00N				●								
Integrated Management System	DMS2.5	MIM-D01AN		●	●	●	●	●	●	●	●	●	●	●
	S-NET3	MST-P3P		●	●					●		●	●	●

Controller Line up & Compatibility Table

Control System

Classification	Product	Model Name	Product Image	Compatibility Table										
				DVM	CAC	DVM Chiller	Water FCU	FCU Kit	ERV	ERV Kit	ERV Plus	PAC	AHU Kit	
Interface & Gateway	BACnet Gateway	MIM-B17BN		•	•	•	•	•	•	•	•	•	•	
	Lonworks Gateway	MIM-B18BN		•	•	•	•	•	•	•		•	•	
	PIM (Pulse Interface Module)	MIM-B16N		•	•	•	•	•	•	•	•	•	•	
	External Contact Interface Module	MIM-B14		•	•	•	•	•	•			•	•	•
		MIM-B14A		•										
	Interface Module	MIM-N01		•	•							•	•	•
	Modbus Interface Module	MIM-B19N		•	•	•	•	•	•			•	•	•
	ERV Interface Module	MIM-N10								•	•			
FCU Interface Module	MIM-F10N					•	•							
Installation / Test run Solution	S-Converter	MIM-C02N		•	•	•	•	•	•	•	•	•	•	
Others	External Room Sensor	MRW-TA		•	•		•	•						
	Operation Mode Selection Switch	MCM-C200		•										
	MTFC (Multi Tenant Function Controller)	MCM-C210N		•										

Control System

Overview

Samsung Control System offers convenient, centralized control of individual indoor units or entire groups of multiple units. Using a variety of controls, users can centrally manage and control multiple functions for the units.

Integrated management

Samsung's Integrated Management System provides the easiest way to manage a large number of air conditioning units at once. This integrated system helps users control, monitor, manage and maintain every little detail of their air conditioning needs.

Supporting convenient and optimized management, Samsung's Integrated Management System is an ideal solution for managing large and middle-sized buildings with many indoor and outdoor units.

Building management

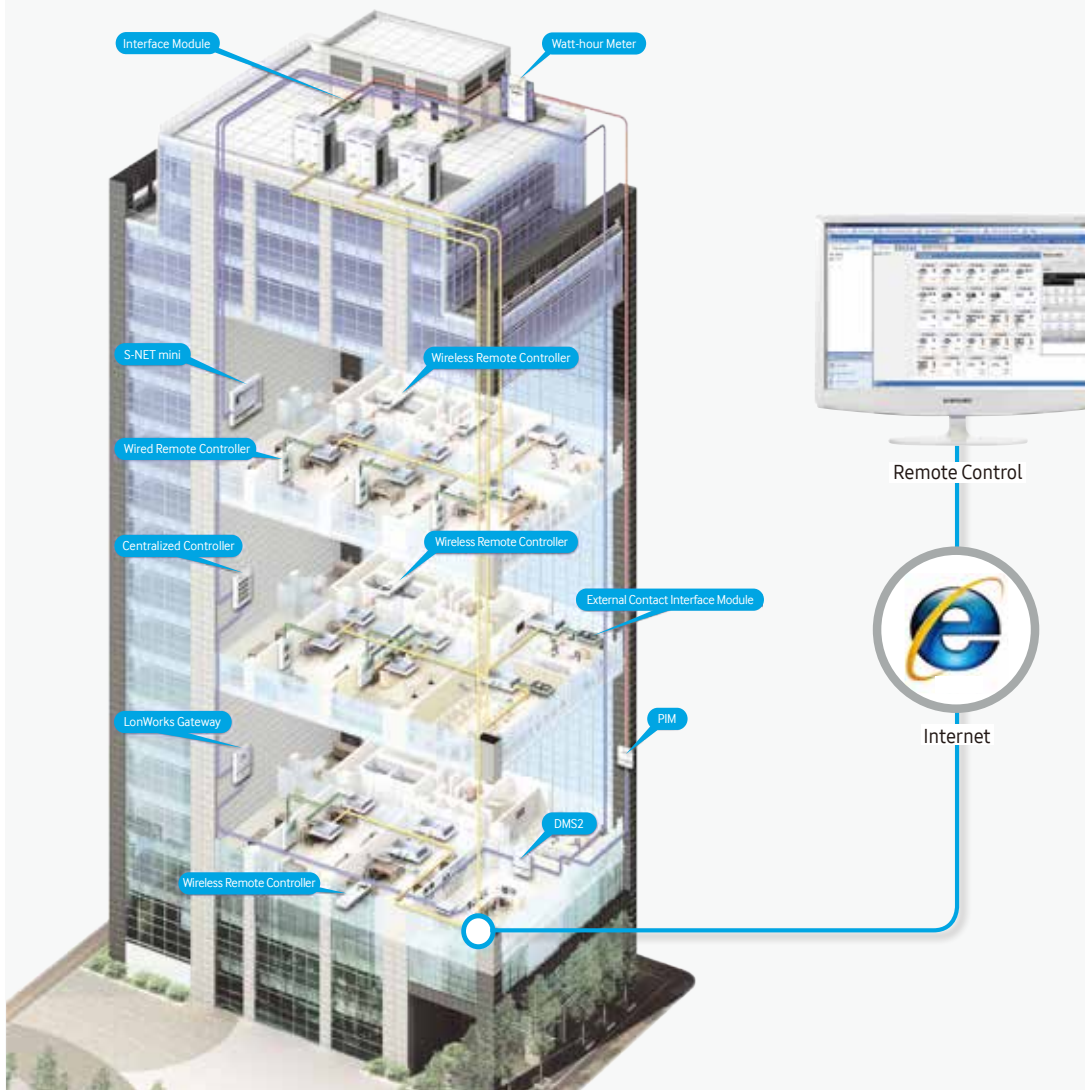
Samsung Building Management System (BMS) makes it possible to control and monitor the air conditioning network using the remote control and monitoring function. Optimum control keeps the air conditioning system efficient, saves energy, reduces maintenance costs and extends the lifespan of the units.

Applications tailored to your needs

Samsung System Air Conditioner products include a full spectrum of offerings so users can find the most convenient, efficient air conditioning system to suit their needs.

System controller

Samsung's control system offers various control options for indoor units. Users can control multiple units individually or simultaneously in groups to optimize convenience. On/Off controllers or interface modules.



Control System

Individual control

Wireless Remote Controller | MR-EH00/AR-KH03E

- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- Simple schedule control
- Individual blade control for 4way cassette models
- Multi-channel wireless remote control (maximum 4 channels)



Wired Remote Controller | MWR-WE10N / MWR-WE13N

- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- Individual and group control (maximum 16 indoor units)
- Error display
- Built-in Room Temperature sensor
- Automatic stop mode
- Wireless remote control restriction
- Unified controller (AC, ERV, ERV PLUS, AHU)
- Different permission levels
- Weekly schedule setting (A/C, ERV, A/C+ERV)
- Exception date setting
- Individual blade control for 4way cassette models
- MWR-WW00N (for DVM S Hydro)
- MWR-WE13N(For 360 Cassette)



Simplified Wired Remote Controller | MWR-SH00N/MWR-SH10N

- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- Individual and group control (maximum 16 indoor units)
- Error display
- Mode selection protection
- Touch screen control (MWR-SH10N)



Wi-Fi Control Module | MIM-H04EN

- Control via mobile app (available to download)
- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- 7-Day schedule setting
- Energy monitoring



Wireless Signal Receiver | MRK-A10N

- On/Off control
- Operation indication
- Error indication
- Filter replacement sign
- Use with receiver wire, MRW-10A



External Room Sensor | MRW-TA

- External sensor to sense exact user environment temperature
- Wire length: 12m



Control System

S-NET 3

Control multiple buildings with ease through centralized data management

S-NET 3 manages a group of buildings through data management servers (DMS 2) that individually manage each building. This Internet-based management system supports flexible, complete control of a wide variety of applications, providing users:

- Fully integrated PC management software
- Up to 16 DMS 2 connections through the Ethernet
- Centralized management of up to 4,096 indoor units
- Schedule and zone control
- Error and operation history management
- Power distribution management and analysis



S-Net 3 system configuration



Control System

S-NET 3

Integrated, complete control

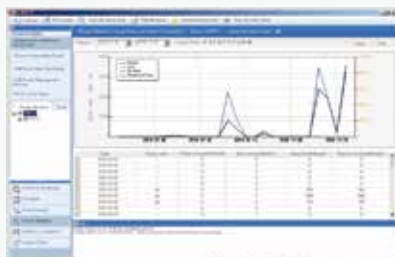
Control and monitoring

Users can control and monitor up to 4,096 indoor units, including ERV, ERV PLUS and AHU. Wireless and wired remote control restrictions provide greater oversight of operations. A temperature limit setting, operation mode lock and multiple/full indoor unit selection extend the range of control. Plus, an icon-based indoor unit display mode enables easy, more intuitive usability.



Power distribution management

Users can ensure optimal power usage with a data query for power distribution and operation times. Administrators can then generate and print power distribution reports for a complete survey of operations. For more specific output, S-NET 3 includes time section settings for different electricity rates and a group setting for the power distribution summary.



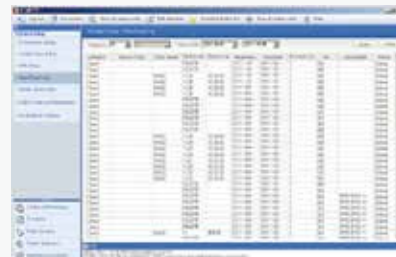
Schedule control

S-NET 3 provides easy-to-read graphical schedule settings, enabling administrators to schedule operation weekly or daily or exclude dates with the exception date setting.



History management

S-NET 3 offers error and event history management, as well as report generation and printing, so users can readily identify and resolve issues. The indoor unit also supports operation history management.



Zone management

With S-NET 3, users can customize the management structure regardless of the installation structure. They can also create and edit control zones and manage the tree structure for the control zones.



Cycle monitoring

S-NET 3 enables users to monitor outdoor / indoor unit cycle data. (The monitoring function is supported only on specific outdoor unit models.)



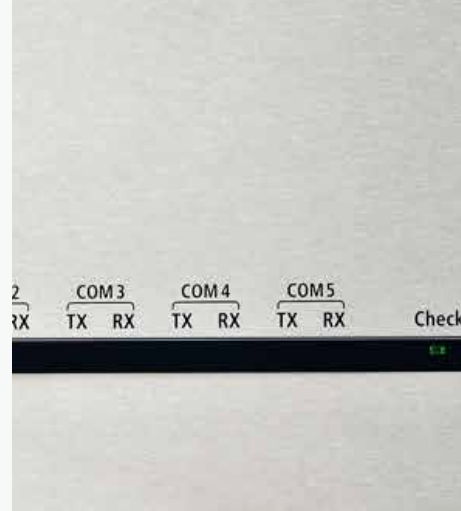
Control System

DMS 2.5

Streamline management with smart, automated control

The improved Samsung DMS (Data Management Server) 2.5 is now smarter. It can manage a variety of different air conditioning units, and the newly upgraded functions can automatically manage the air conditioning system for users. Key features include:

- Built-in web server for PC-independent management and remote access control
- Multiple upper-level control access (S-NET 3, Web-client)
- Central management of up to 256 indoor units including ERV, ERV PLUS, AHU, DVM CHILLER and FCU Kit
- User editable control logic
- Accessible level management
- Dynamic security management
- Operation and error history management
- Weekly / Daily schedule control
- Power distribution function
- Current time management even during power failure (for 24 hours)
- Data storage in non-volatile memory and SD memory
- Emergency stop function with simple contract interface



DMS configuration



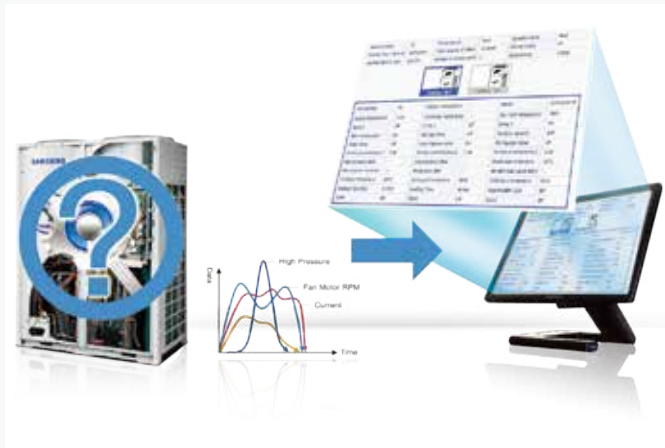
Control System

DMS 2.5

Smarter functionality for maximum control

Monitoring of air conditioner operation

DMS 2.5 eliminates the need to open each outdoor unit to monitor operation. Detailed refrigerant flow check in the control room and reduced service lead time help keep the units up and running.



Easy control and monitoring

Users can control and monitor up to 256 indoor units, including ERV, ERV PLUS, AHU, DVM CHILLER and FCU Kit, via the Internet. Control functions include on/off operation mode, and fan speed and temperature settings.



Operation history management

DMS 2.5 features operation history for indoor units, which records data for up to 6 months. The operation history stores the following parameters:

- Indoor unit address and name
- On/Off time (year, month, day, hour, minute)
- Operation mode (cool, heat, auto, fan dry, stop)
- Set/Room temperature

The screenshot shows a table with the following columns: 'Device Name', 'Connection Mode', 'Control Type', 'Control Mode', and 'Estimated Status'. The table contains several rows of data for different indoor units. Below the table is a section for 'Control mode (DMS)' with a sub-section for 'Control mode type - DMS' and 'Power / On'. To the right of the screenshot is a physical control unit with a small display screen.

Device Name	Connection Mode	Control Type	Control Mode	Estimated Status
DVM	2010.03.15 18:17:25	DMS Web	Heat parameter control	00:00:00, 00:00:00, 00:00:00
DVM	2010.03.15 18:17:25	DMS Web	Heat parameter control	00:00:00, 00:00:00, 00:00:00

Control mode (DMS)
2010.03.15 18:17:25, 00:00:00, 00:00:00, 00:00:00
Control mode type - DMS
Power / On
DVM 2010.03.15 18:17:25 DMS Web Heat parameter control 00:00:00, 00:00:00, 00:00:00

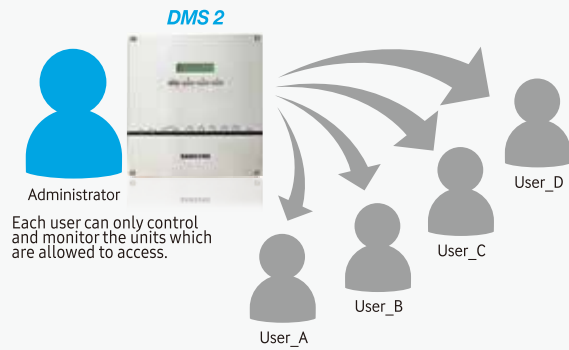
 Storage Period - Up to 6 months

Control System

DMS 2.5
Easy management

Accessible level management

DMS 2 enables administrators to specify the scope of unit control and monitoring by each user.



Control for unoccupied room

DMS 2.5 offers useful function for accommodations. Using this function, manager can keep the room temperature when guest goes out for a while. And manager can pre-cool or pre-heat the room temperature before guest enters the room.



Dynamic security management

General users, managers, and administrators can be registered separately by ID and password. Administrators (utility managers) have the authority to set access levels for DMS 2 functions on users.

Functions	Admin	Manager	User
	Access All	Changeable	
Control/ Monitoring	0	0	0
Zone management	0	0	X
Schedule	0	0	0
Power distribution	0	0	X
System configuration	0	X	X

Control System

DMS 2.5
Intuitive monitoring

Enhanced graphical display

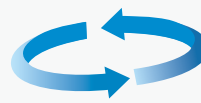
DMS 2.5 simplifies the task of monitoring system operations with its vibrant, intuitive graphical display. Icon-based, color-coded unit control makes it easy to recognize indoor unit status, while a handy, stylish controller makes management even more convenient.



Powerful data backup

Critical data is safely stored on the DMS 2.5 SD memory card, including:

- Indoor/outdoor unit name
- Power distribution data
- Operation history
- DMS power on/off history
- System configuration



Data Back-up

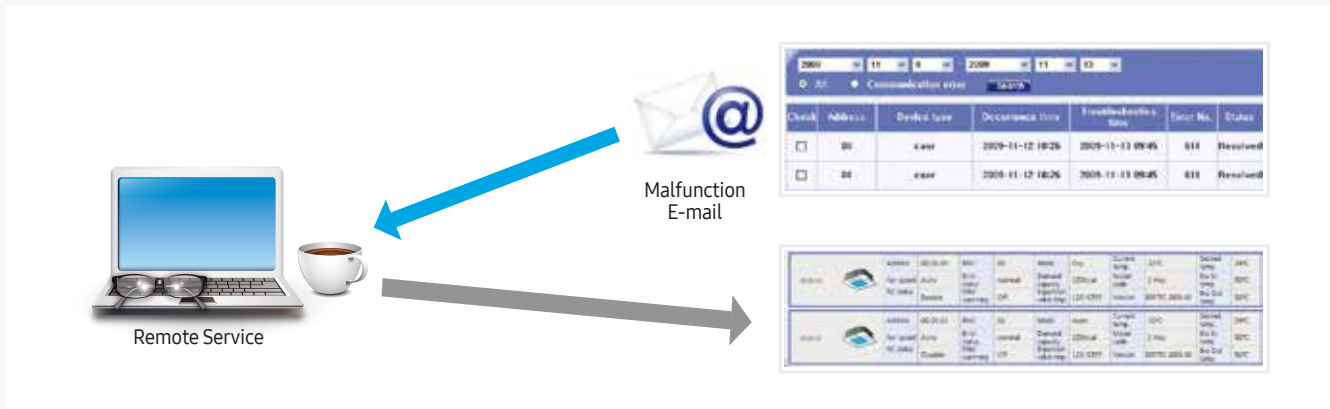


Control System

DMS 2.5
Responsive efficient service

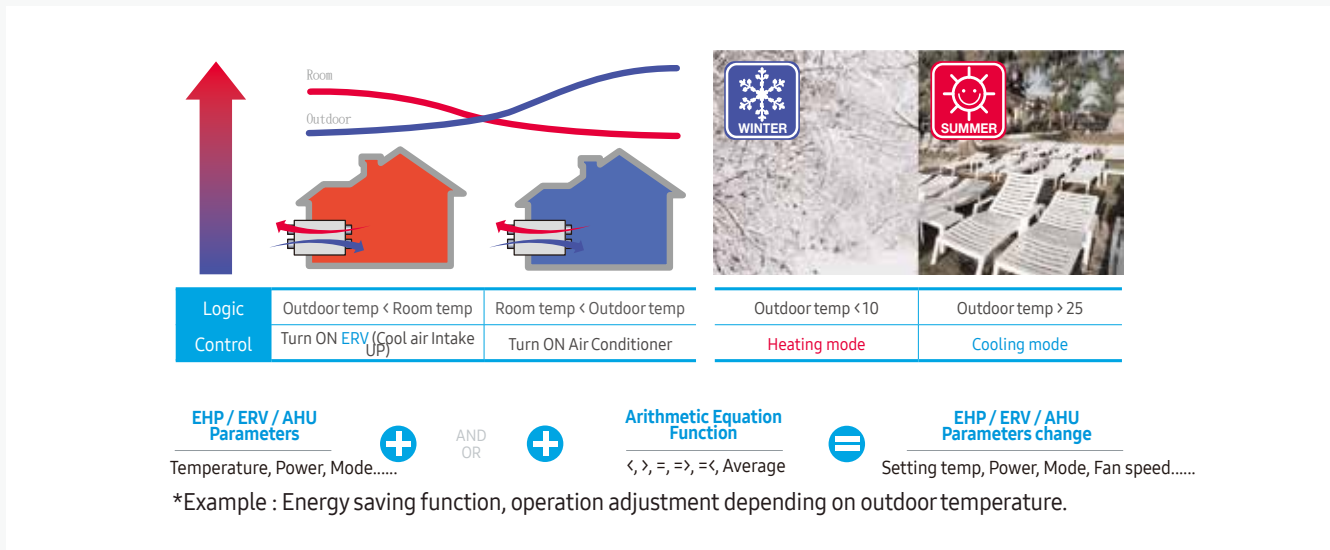
Rapid, easy service response

DMS 2.5 provides easy remote control and monitoring through the Internet. Users can receive an email notification to a private Internet account in the event of a malfunction.



User editable control logic

Users can edit control logic with arithmetic and conditional operators and parameters. Energy can be efficiently used and reduced for various operation conditions.



Control System

DMS 2.5

Extended, zoned management

Useful history management

DMS 2.5 records indoor unit operation and error occurrence history. Recorded history makes it convenient to analyze air-conditioner operation and perform unit maintenance.



Operation History

1. Operation On/Off execution time
2. Daily accumulated operation on time
3. Schedule operation execution time

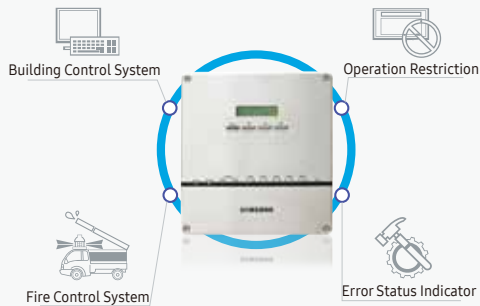


Error History

1. Error occurred unit name
2. Error details
3. Error occurrence/clear time
4. Error state (solved / unsolved)

Extended contact interface

General users, managers and administrators can be registered separately by ID and password. Administrators (utility managers) have the authority to set access levels for DMS 2.5 functions by user.



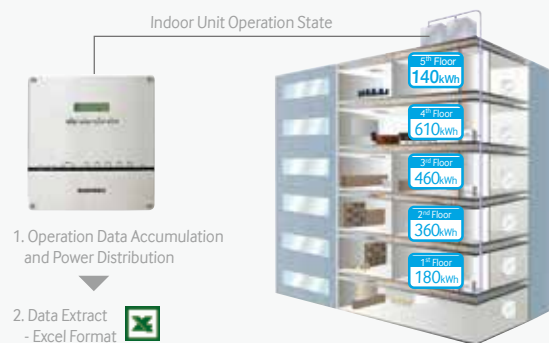
Smart central management

DMS 2.5, the Control and Monitoring Zone edition, offers smart, centralized, zoned management. Wireless and wired remote control restrictions provide greater oversight of operations. A temperature limit setting and operation mode restriction extend the range of control.



Power distribution system

DMS 2.5 enables power distribution to a maximum of 256 indoor units, and provides a data query for watt-hour, usage time and usage ratio. One year of power distribution data is saved in storage; these files are saved in Microsoft® Excel format. DMS 2 also provides current actual power consumption monitoring, as well as current-type electricity meter support (CT ratio input).



Watt-hour meter interface module

The watt-hour meter interface module can be exclusively used for DMS 2.5 power distribution, displaying power consumption for each watt-hour meter. It connects with up to eight watt-hour meters and features a pulse interface for each meter.



Control System

Centralized control

Touch Centralized Controller | MCM-A300N

- 7-inch Color Capacitive Touch Screen
- Easy and Intuitive UI
- Individual/Zone control, Scheduling, Energy saving control
- Emergency operation control by external contact
- Control up to 128 indoor units
- DS card for programming and data download



Easy and Intuitive UI

- Various icons based on equipment and operation condition
- Smart phone style user-friendly control
- Individual/group management



Control and Monitoring

- Easy to check each device's status using color and icon
- Large-size icons for ease of use
- High and low temperature limitation settings
- Individual unit restriction settings



Zone Management for multiple units

- Manage up to 12 zones
- Simply control zones with one button
- Set unique zone description icons to easily recognize each zone
- Easily bind multiple indoor units to create a zone



Schedule Control

- Set up to 10 operation schedules
- Apply these schedules to any unit or zone
- Create operation events for each schedule, including: temperature setting, mode and fan speed



Control System

Building Management System

Streamline operations and costs with integrated management

Samsung Building Management System (BMS) provides various control functions for integrated management of varied system equipment and air conditioners. As a result, BMS facilitates an efficient and economical operating environment.



BACnet gateway

LonWorks gateway

Control System

Building Management System BACnet gateway

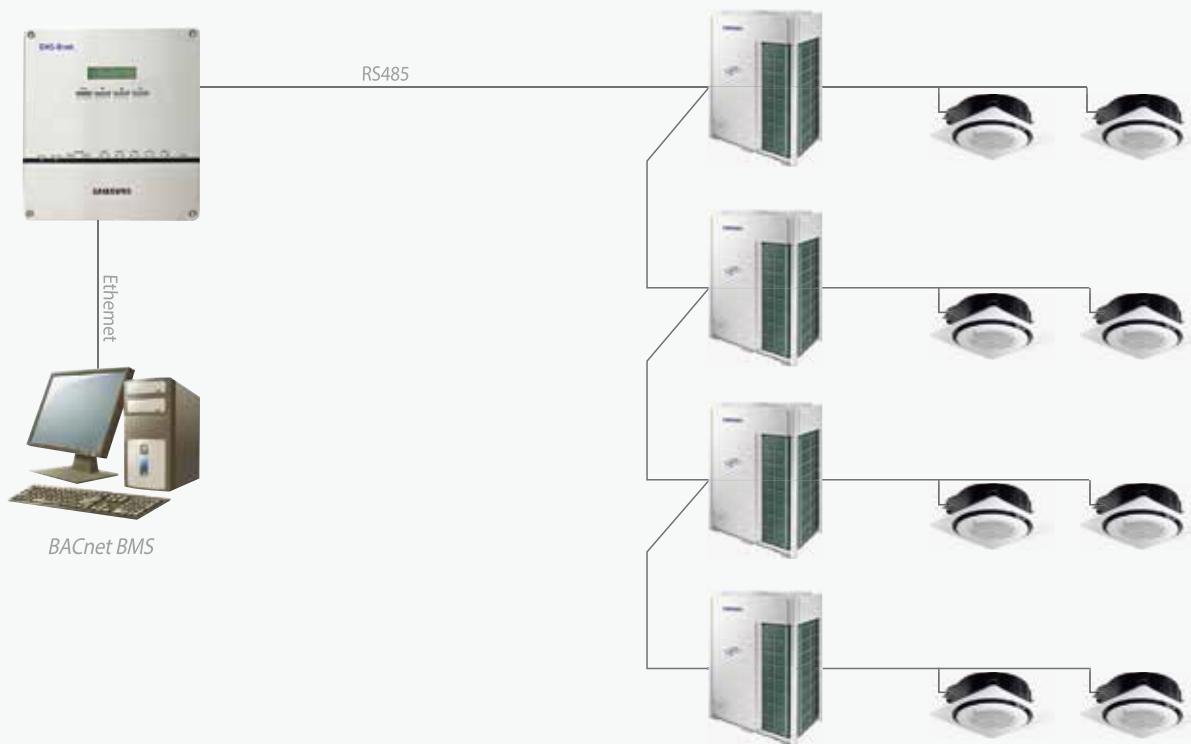
BACnet gateway MIM-B17N

BACnet gateway is an interface for connection to BACnet management system, providing users with a more convenient way to manage their air conditioning system. It can control a maximum of 128 indoor units

Control		Monitoring	
<ul style="list-style-type: none"> • On/Off control • Operation mode • Temperature setting • Fan speed/direction • ERV operation mode • ERV fan speed 	<ul style="list-style-type: none"> • Filter alarm reset • User control restriction • Operation mode lock • Set temperature limit • Emergency stop • Output contact control 	<ul style="list-style-type: none"> • On/Off control • Operation mode • Set/Room temperature • Fan speed/direction • ERV operation mode • ERV fan speed • Filter alarm • User control restriction 	<ul style="list-style-type: none"> • Thermo On/Off • Power distribution • Operation mode lock • Set temperature limit • In/Out contact state • Emergency stop • Error code



Connection



Control System

Building Management System
LonWorks gateway

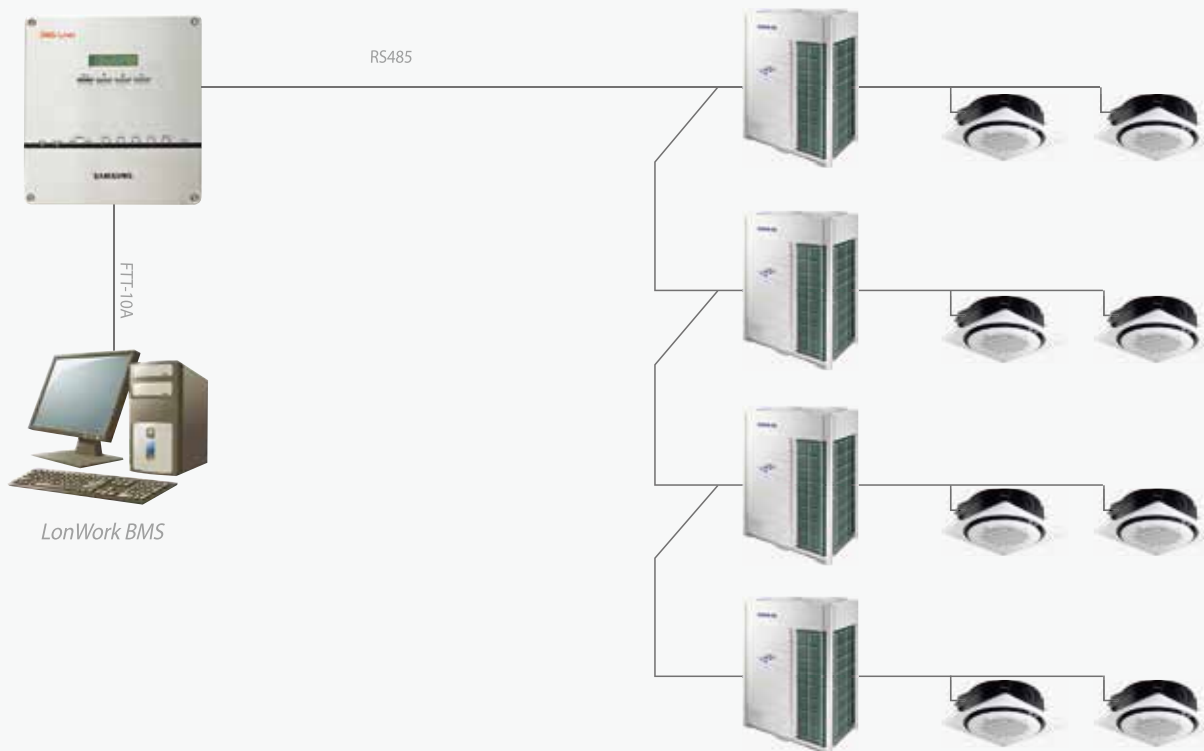
LonWorks gateway MIM-B18N

LonWorks gateway is an interface for Lon-Connection to LonWorks management system, providing users with a more convenient way to manage their air conditioning system. It can control a maximum of 128 indoor units.

Control	Monitoring
<ul style="list-style-type: none"> • On/Off control • Operation mode • Temperature setting • Fan speed/direction • ERV operation mode • ERV fan speed • Filter alarm reset • User control restriction • Operation mode lock • Set temperature limit • Emergency stop • Output contact control 	<ul style="list-style-type: none"> • On/Off control • Operation mode • Set/Room temperature • Fan speed/direction • ERV operation mode • ERV fan speed • Filter alarm • User control restriction • Thermo On/Off • Power distribution • Operation mode lock • Set temperature limit • In/Out contact state • Emergency stop • Error code



Connection



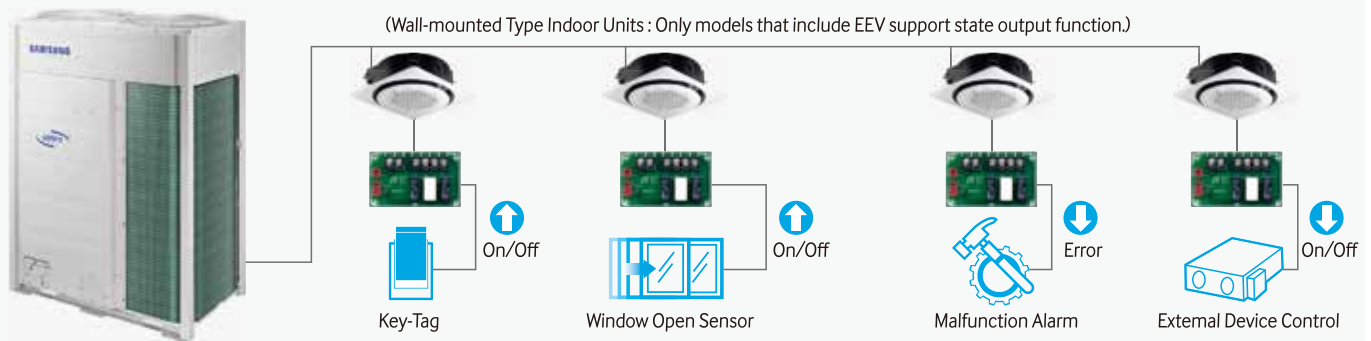
Control System

Interface Module

External contact Interface Module (MIM-B14)

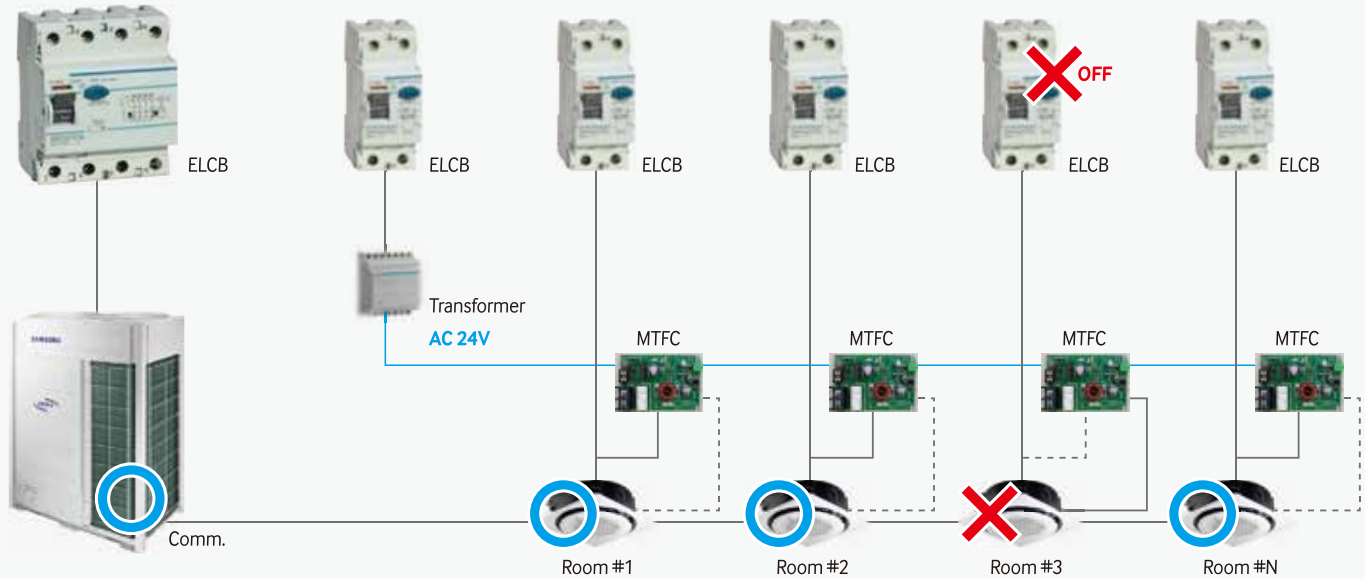
Samsung Guestroom Management System saves users the energy and money wasted on cooling an unoccupied room. The air conditioner is activated when the Key-Tag is in place and turns off when the Key-Tag is removed.

An external contact interface module provides direct indoor unit control via an external contact signal, as well as window-synchronized indoor unit control. The emergency control function features simple contact input. Plus the module generates indoor unit operation/error state output through relay contacts.



MTFC(Multi Tenant Function Controller (MCM-C210N)

Multi tenant function controller is an auxiliary power supply device which allows indoor unit to turn off (close EEV) normally and maintain communication when main power supply is cut. It is used in site such as hotel where individual power is supplied to the indoor unit

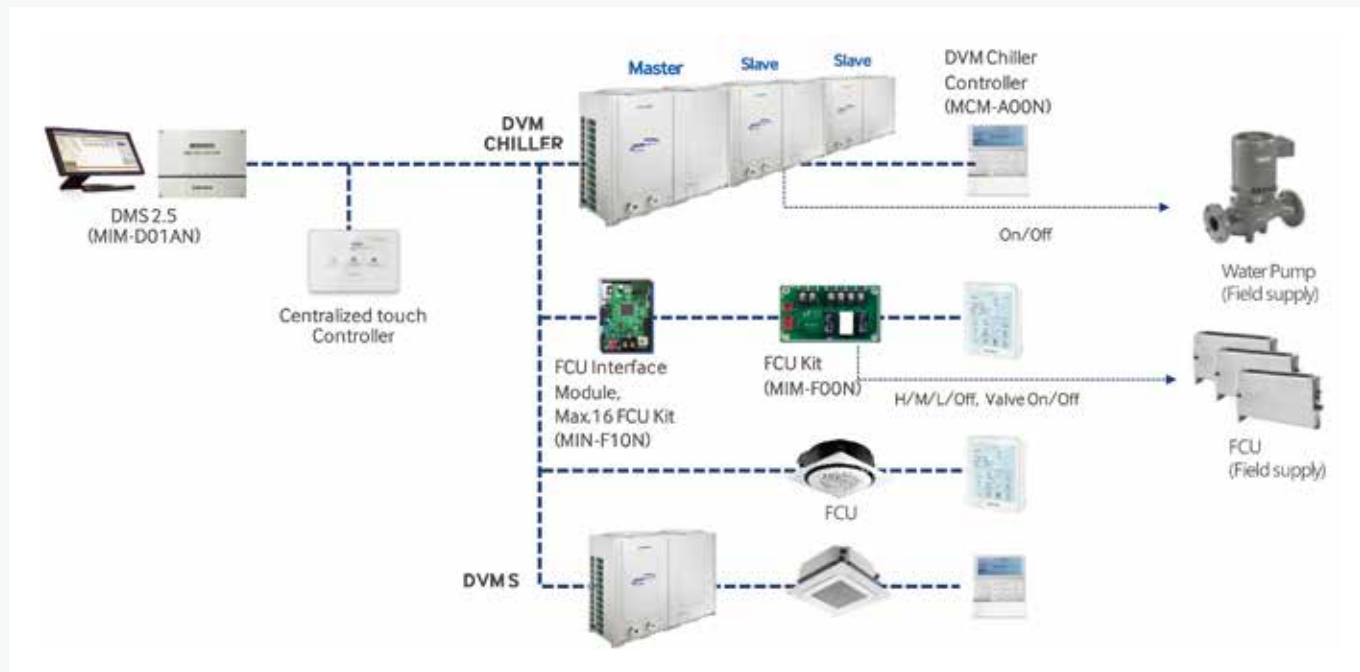


Control System

DVM Chiller

Centrally control all systems

To maximize operational convenience and the value of your existing units, an integrated control system lets you centrally manage both outdoor and indoor units, such as the DVM chiller, VRF, and Air Side equipment.



Module controller (MCM-A00N) - For DVM Chiller

- DVM Chiller On/Off control (Module /Group)
- Operation mode, water outlet temperature setting
- Optional operation setting, module / group setting
- Weekly operation schedule setting



FCU Kit (MIM-F00N) - For 3rd party FCU

- Communication and control interfacing kit between 3rd party FCU and Samsung control system
- Possible to use wired R/C
- Possible to use DMS 2.5, touch centralized controller
- Provides external contact input
- Outputs control signal for FCU fan / water valve
- Size 270x200x87.4mm (WxHxD)



FCU interface module (MIM-F10N) - For 3rd party FCU

- Communication interface module between FCU Kit and high level controller
- Supports FCU Kit only
- Max. 16 FCU Kits connection



Control System

New DVM-Pro

Customize your air conditioning system with innovative design tools

Samsung's new DVM-Pro is an advanced design automation tool that can be used in AutoCAD-based CAD mode or Windows®-based Sales mode. This new program helps users select the most appropriate system air conditioner equipment so users can easily and precisely design their air conditioning system.

Sale mode

The Sales mode enables users to customize their air conditioning system by selecting from the following categories:

- **Connection.** Indoor unit and outdoor unit connection with accessory
- **Piping.** Basic or manual selection with system check and capacity simulation
- **Wiring.** Automatic diagram with communication wiring of indoor/outdoor/control units and electric power meters
- **Control system.** Automatic control unit selection
- **Report.** Specifications, diagrams with DWG and BMP format, quotation

CAD mode

The CAD mode provides quick, easy, precise design, enabling users to customize their air conditioning system using AutoCAD add-on software. (AutoCAD is not included in New DVM-PRO.) This mode features:

- **Automatic calculation.** Refrigerant and drain pipe size
- **Automatic selection.** Refnet joint, header and distributor kit.
- **System check.** Installation regulation and refrigerant addition
- **Control system selection.** Easy control system selection
- **Automation report.** Piping installation diagram, equipment list and quotation

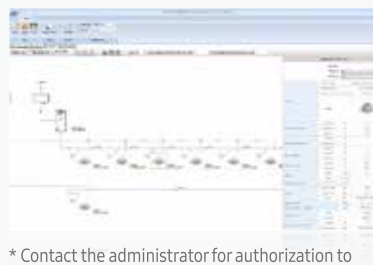


* Contact to Samsung HQ or Distributors for NEW DVM-Pro!

Download!

<http://pvi.samsung.com> Download Center Software NEW DVM-Pro

* E-mail : dvm.pro@samsung.com



* Contact the administrator for authorization to download the program.

Control System

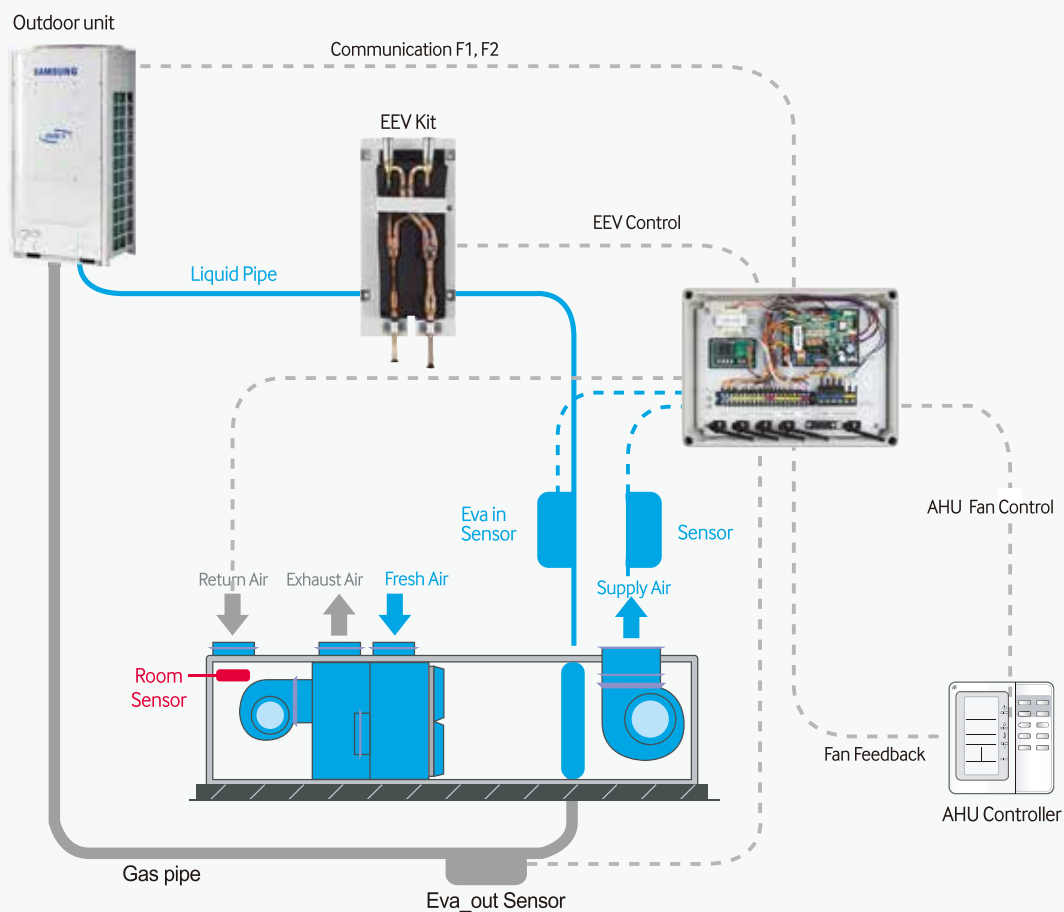
AHU Kit

Optimize performance and energy savings with seamless AHU connectivity

Samsung AHU Kit allows DVM S outdoor units to connect to air handling units (AHUs), which results in energy savings and improved performance and efficiency.

Features includes:

- IP54 waterproof certification
- Variable capacity
- 2.5 HP - 40 HP
- Simple BMS application
- 0-10 V
- Discharge air temperature control



Control System

Legal and additional information

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies, redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, printers, medical equipment, network systems and semiconductors. We are also leading in the Internet of Things space through, among others, our Digital Health and Smart Home initiatives. We employ 307,000 people across 84 countries. To discover more, please visit our official website at www.samsung.com and our official blog at global.samsungtomorrow.com

For more information

For more information about Samsung, visit www.samsung.com/business.




































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








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2018-12

Control System Line-up

CLASSIFICATION	PRODUCT	IMAGE	MODEL		APPLICATION		
			DVM S, CAC (New Communication Protocol)	CAC, FJM			
Integrated Management System	Controller	S-NET 3		MST-P3P	MST-P3P	Excluding (DVM chiller, FCU kit)	
		DMS 2.5		MIM-D01AN		Including (DVM chiller, FCU kit)	
	Interface Module	PIM (Electricity meter)		MIM-B16N	MIM-B16	Excluding (ERV, DVM chiller, FCU kit)	
Building Management Module	Building Management	ZenManager		MST-R5D	MST-R5D	Mobile	
	Gateway	LonWorks Gateway		MIM-B18N	MIM-B18		
		LonWorks Gateway(New)		MIM-B18BN		Including(DVM chiller, FCU kit)	
		BACnet Gateway		MIM-B17N	MIM-B17		
		BACnet Gateway(New)		MIM-B17BN	MIM-B17	Including(DVM chiller, FCU kit)	
Interface Module	LonWorks Gateway Interface		-	MIM-B07			
System Controller	Controller	Centralized Touch Controller		MCM-A300N	-		
		On/Off Controller		MCM-A202DN	MCM-A202D		
		Operation Mode Selection Switch		MCM-C200	-	DVM S Series (Except HR Models)	
	Interface Module	External Contact		MIM-B14	MIM-B14		
		MTFC (Multi Tenant Function Controller)		MCM-C210N			
		Centralized Control Interface Module		-	MIM-B13D	For connecting Centralized control system	
		FCU interface module		MIM-N10	MIM-N10	ERV	
		Compatible interface module		MIM-N01	MIM-N01	Old & New protocol	
Individual Control System	Controller	Wired Remote Controller		MWR-WE13N	MWR-WE10		
		Wired Remote Controller		MWR-WW00N	-	DVM S Hydro Unit	
		Wired Remote Controller		MCM-A00N		For DVM chiller	
		Wired Remote Controller		-	MWR-WH00	Connect Wire length : 10m (SEC)	
		Wired Remote Controller		-	MWR-WH02	Connect Wire length : 3m (SSEC)	
		Simplified wired Remote Controller		MWR-SH10N		Touch controller, Built in Temperature sensor	
		Simplified wired Remote Controller		MWR-SH00N	MWR-SH00		
		Simplified wired Remote Controller		MWR-VH12N	MWR-VH02	ERV	
		Wireless Remote Controller (H/P)		MR-EH00	MR-EH00		
		Wireless Remote Controller (C/O)		MR-EC00	MR-EC00		
	Wireless Remote Controller		AR-KH03E		360 CST dedicated		
	Wi-Fi Kit		MIM-H04EN	MIM-H04EN			
	RAC Extension Board		-	MIM-A00	For connecting wired remote controller and external contact interface module		
	FCU Kit		MIM-F00N		For connecting wired remote controller		
	Wireless Signal Receiver package (With Receiver wire)		MRK-A10N	MRK-A10N	DVM S Series (for Ducted indoor unit) Single Global Duct		
Sensor	External Room Sensor		MRW-TA	MRW-TA			
	ERV CO2 Sensor		MOS-C1	MOS-C1			
Test Run Tool	S-Converter (S-NET Pro)		MIM-C02N MIM-C02RN	MIM-C02N	Converter for communication with PC		

Accessories

Classification	Image	Model		APPLICATION
		DVM S, CAC (New Communication Protocol)	CAC, FJM	
Drain Pump		MDP-E075SEE3D	MDP-E075SEE3	Slim Duct (2.0 ~ 14.0 kW)
		MDP-M075SGU1D	MDP-M075SGU1	M.S.P Duct (9.0/11.2 kW)
		MDP-M075SGU2D	MDP-M075SGU2	M.S.P Duct (12.8/14.0 kW) H.S.P Duct (14.0/16.0 kW)
		MDP-M075SGU3D	MDP-M075SGU3	M.S.P Duct (5.6/7.1 kW)
		MDP-N047SNC0D	-	O.A.P Duct (14.0 kW)
		MDP-N047SNC1D	MDP-N047SNC1	H.S.P Duct (22.4/28.0 kW) Fresh Air Intake Duct (22.4/28.0 kW)
		MDP-G075SP	MDP-G075SP	Duct S (External Type)
	MDP-G075SQ	-	Duct S (Internal Type)	
PDM Kits (High Elevation Kits)		MXD-A38K2A	-	8~12 HP
		MXD-A12K2A	-	14~16 HP
		MXD-A58K2A	-	18~22 HP
AHU Kits		MXD-K025AN	-	7.0 ~ 8.75 kW AHU
		MXD-K050AN	-	14.0 ~ 17.5 kW AHU
		MXD-K075AN	-	21.0 ~ 26.25 kW AHU
		MXD-K100AN	-	28.0 ~ 35.0 kW AHU
		MXD-A64K100E	-	AHU EEV Kit (10HP)
		MCM-D201N	-	Control Kit (PBA, 10HP~40HP)
Humidifier		MVO-VA050100	-	500 CMH (ERV Plus)
		MVO-VA100100	-	1,000 CMH (ERV Plus)
360 CST Panel		PC4NUDMAN	-	White, Square
		PC4NBDMAN	-	Black, Square
		PC4NUNMAN	-	White, Circle
		PC4NBNMAN	-	Black, Circle
4 Way Cassette Front Panel		PC4NUSKAN	PC4NUSKA (Korea) PC4NUSMA (China)	4Way Cassette S - Waffle
		PC4NUSKEN	PC4NUSKE (Korea) PC4NUSME (China)	4Way Cassette S - Classic
		PC4NUSKFN	-	4Way Cassette S - Classic (North America)
		PC4NBSKAN	PC4NBSKA	4Way Cassette S - Black
		-	P4SMA	4Way Cassette
4 Way Cassette (600 x 600) Front Panel		PC4SUSMAN	-	4 way Cassette (600 x 600) - Waffle
		PC4SUSMEN	-	4 way Cassette (600 x 600) - Classic
		PC4SUSMBN	PC4SUSMC (FJM)	4 way Cassette (600 x 600) - Waffle
		PC4SUSMFN	PC4SUSMG (FJM)	4 way Cassette (600 x 600) - Classic
1 Way Cassette Front Panel		PC1MWSKAN	-	1Way Cassette (New Air Fluid Design) (1.7~2.2kW)
		PC1NUSMAN	PSSMA	Slim 1Way Cassette (2.2~3.5kW)
		PC1BWSEAN	-	Slim 1Way Cassette (5.6~7.1kW)
		PC1NUPMAN	PC1NUPMA	Slim 1Way Cassette Z-Sliding (2.2~3.5kW)
		PC1BWPEAN	-	Slim 1Way Cassette Z-Sliding (5.6~7.1kW)
2 Way Cassette Front Panel		PC2NUSMEN	-	2Way Cassette
Virus Doctor		MSD-CAN1	MSD-CAN1	4Way Cassette S 4Way Cassette S (600x600)
		MSD-EAN1	MSD-EAN1	ERV, Global Duct
Motion Detect Sensor		MCR-SMA	MCR-SMA	4Way Cassette S (600x600)

Accessories

Classification	Image	Model	Description	APPLICATION
Y- joint		MXJ-YA1509M	15.0kW and below	DVM S
		MXJ-YA2512M	Over 15.0 ~ 40.6kW and below	
		MXJ-YA2812M	Over 40.6 ~ 46.4 kW and below	
		MXJ-YA2815M	Over 46.4 ~ 69.6 kW and below	
		MXJ-YA3419M	Over 69.6 ~ 98.6 kW and below	
		MXJ-YA4119M	Over 98.6 ~ 139.2 kW and below	
		MXJ-YA4422M	Over 139.2 kW	
Y-joint (High Pressure Gas) for HR module		MXJ-YA1500M	23.2 kW and below	DVM S HR
		MXJ-YA2500M	Over 23.2 ~ 69.6 kW and below	
		MXJ-YA3100M	Over 69.6 ~ 139.2 kW and below	
		MXJ-YA3800M	Over 139.2 kW	
Outdoor Joint (Outdoor Connection)		MXJ-TA3419M	Below 48 HP	DVM S
		MXJ-TA4122M	Over 48 HP	
Outdoor Joint (High Pressure Gas) for HR Module		MXJ-TA3100M	Below 48 HP	DVM S HR
		MXJ-TA3800M	Over 48 HP	
DPM Y-joint		MXJ-2D2509K	2-indoor unit connection	CAC Inverter(4way, 4way 600x600)
		MXJ-3D2509K	3-indoor unit connection	
		MXJ-4D2509K	4-indoor unit connection	
Header Joint		MXJ-HA3819M	Over 69.7 kW	DVM S
		MXJ-HA3115M	Below 69.6 kW	
		MXJ-HA2512M	Below 46.4 kW	
NEW MCU Kits		MCU-S1NEK1N	1 Ports	DVM S HR
		MCU-S2NEK2N	2 Ports	
		MCU-S4NEK3N	4 Ports	
		MCU-S6NEK2N	6 Ports	
EEV Kits		MXD-E24K132A	Below 3.6 kW (1 Room) + 5.6 kW ~9.0 kW (1Room)	DVM S
		MXD-E24K200A	Below 3.6 kW (2 Rooms)	
		MXD-E32K200A	5.6 kW~9.0 kW (2Rooms)	
		MXD-E24K232A	Below 3.6 kW (2 Rooms) + 5.6 kW ~ 9.0 kW (1Room)	DVM S
		MXD-E24K300A	Below 3.6 kW (3 Rooms)	
		MXD-E32K224A	Below 3.6 kW (1 Room) + 5.6 kW ~ 9.0 kW (2Rooms)	
		MXD-E32K300A	5.6 kW ~ 9.0 kW (3Rooms)	
		MEV-E24SA	Below 3.6 kW (1 Room)	DVM S
		MEV-E32SA	5.6 kW ~ 9.0 kW (1Room)	
Anti-Corrosion Spray		MOK-220SA	R-Pro	

