



SAMSUNG
AIR CONDITIONERS

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 **Customer Service:**
Toll Free 0800-112-8888

Samsung
system air conditioners

VRF (DVM S)

Product Catalogue

SAMSUNG
AIR CONDITIONERS

Product Categories



VRF

DVM S Commercial

With its wide range of capacities and advanced technology, the DVM system is the perfect cooling and heating solution for any type of space from high-rise buildings to small commercial buildings.



Single split

CAC Light Commercial

This one-to-one system that links outdoor and indoor units is the most suitable air solution for individual businesses to manage their own air-conditioning system in small and medium-sized commercial buildings.

Commercial Air Conditioner



Multi split

FJM Residential

A single outdoor unit supporting up to five indoor units, the FJM system is ideal for residential spaces with multiple rooms to increase space efficiency.

Free Joint Multi

SAMSUNG

Product Types

HEAT PUM



DVM S



DVM S Eco

WALL MOUNTED TYPE



AR5000

CONSOLE TYPE



Console

CASSETTE TYPE



360 Cassette



4 Way Cassette



4 Way Cassette (600x600)



1 Way Cassette



2 Way Cassette



Wind Free

CEILING TYPE



Ceiling



Ceiling(Large)

FLOOR STANDING TYPE

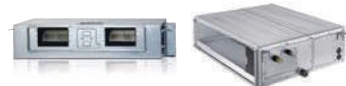


Packaged

DUCT TYPE



HSP Duct



MSP Duct



LSP Duct



OAP Duct

HYDRO(HOT WATER)



50°C



80°C

VENTILATION UNIT



ERV Plus



ERV

DVM S

World's Largest
Single Module

30HP



DVM S

THE WORLD'S LARGEST CAPACITY



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:

- **The world's largest 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 WORLD'S LARGEST CAPACITY

World's Largest Single Module - 30HP

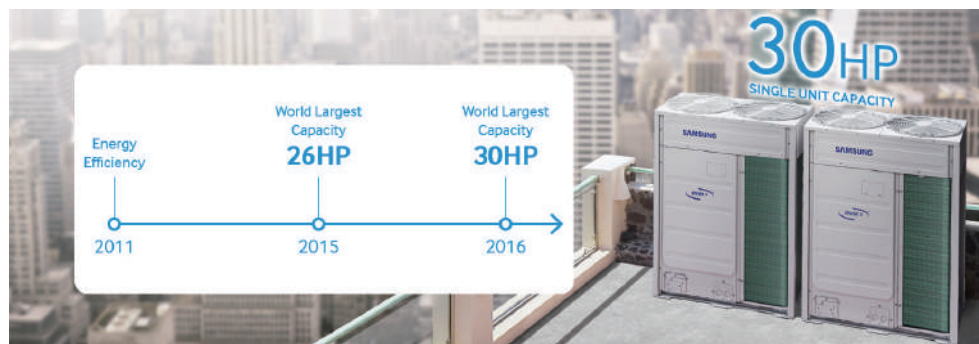
Samsung DVM S 30HP is the world's largest and most compact single module VRF system. It is also powerful and highly energy efficient. So you can save costs and space, while providing more reliable coverage across larger areas.

* Based on internal benchmark studies as at September 2015.



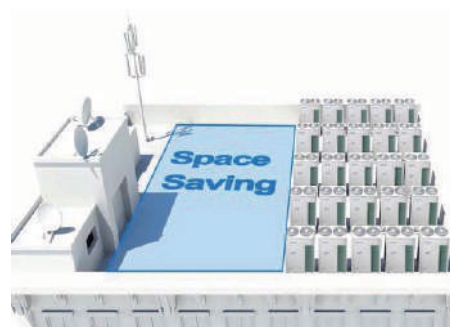
More choice of capacity, even less cost

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.



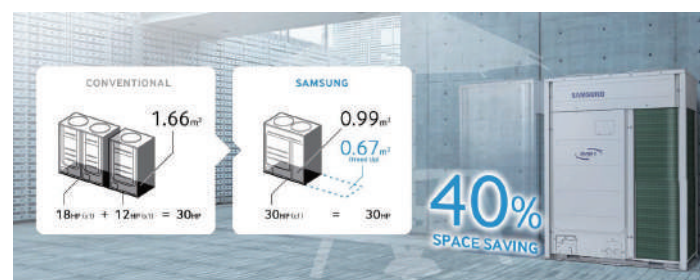
Maximize heating and cooling capacity with a conveniently sized design

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.



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.

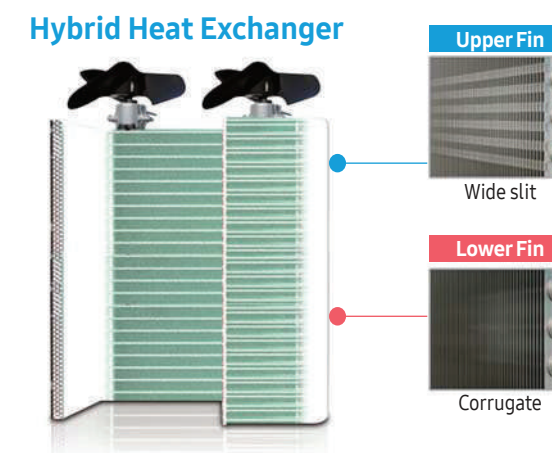


DVM S

SMART EFFICIENCY

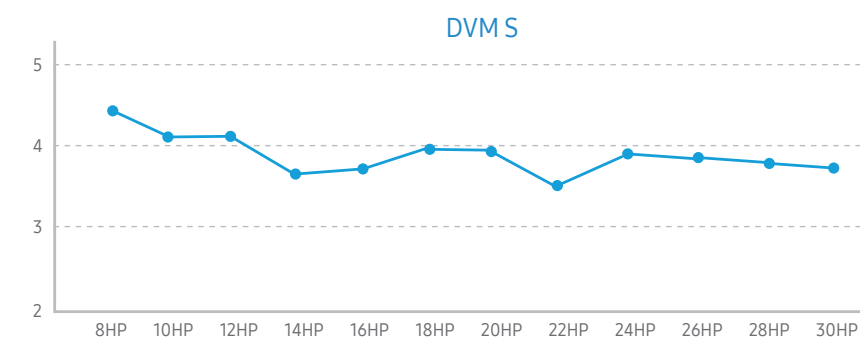
Excellent cooling performance and high energy efficiency

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.

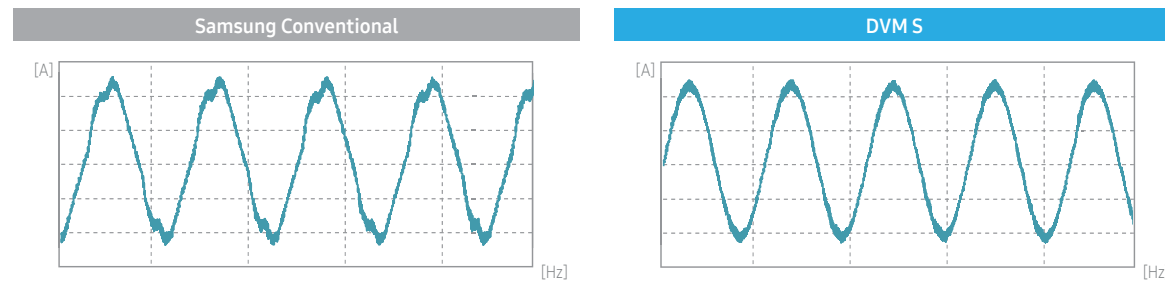


DVM S

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.

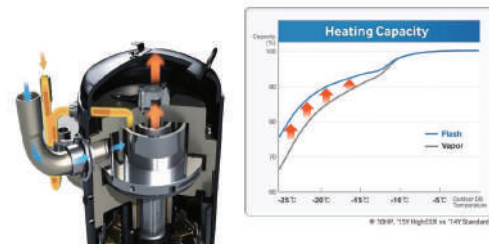


Enhance temperature control with more intelligent and efficient heating operation

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.

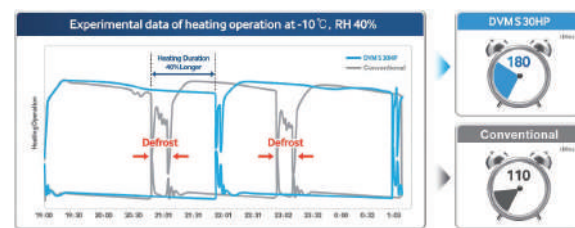
Improved flash injection

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.



Intelligent defrost

DVM S 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.

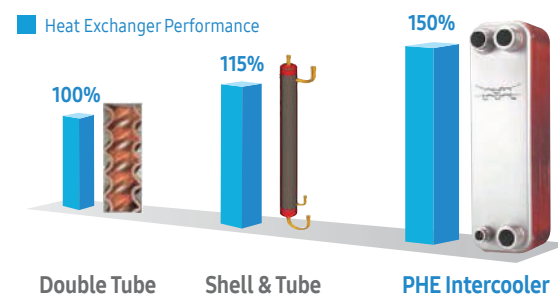


Maintain optimal comfort and control with energy and cost-efficient technologies

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

Reduce maintenance and energy costs with intercoolers

DVM S 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.

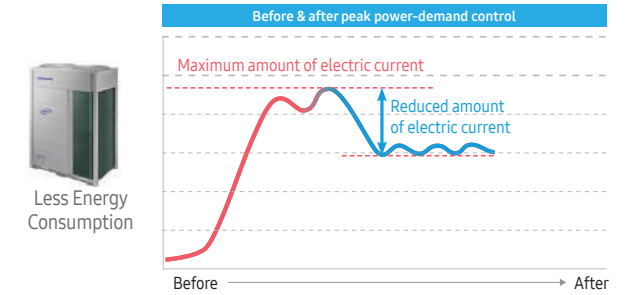


DVM S

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.

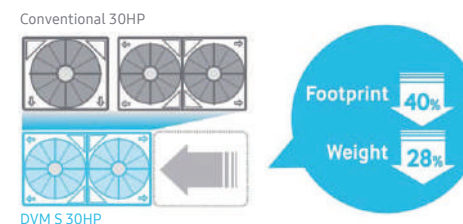
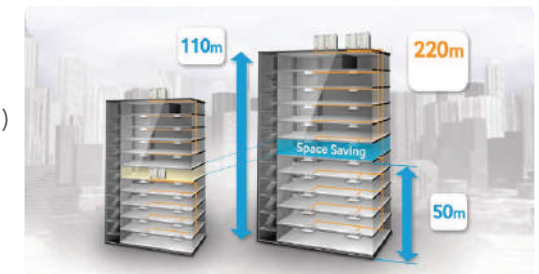


Reduce expenses with installation designed to be easy and flexible

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 with extended pipe length and elevation

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. The piping distance is far between outdoor and indoor units, so individual indoor units perform capacity connection control and automatic refrigerant equalization for more balanced performance between units.



Smaller footprint and lighter weight

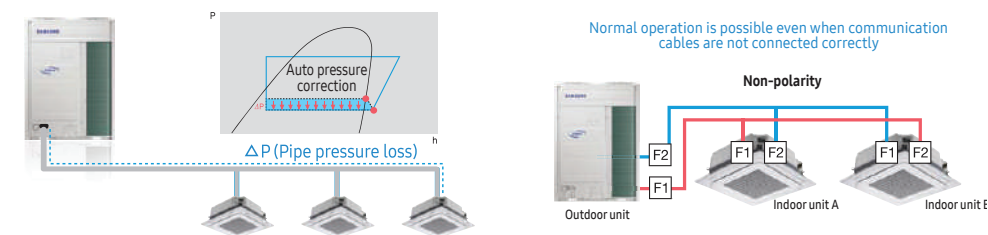
The large unit capacity (30HP) facilitates the economical installation with a smaller footprint and lighter weight, making it the perfect fit for buildings with space constraints.

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

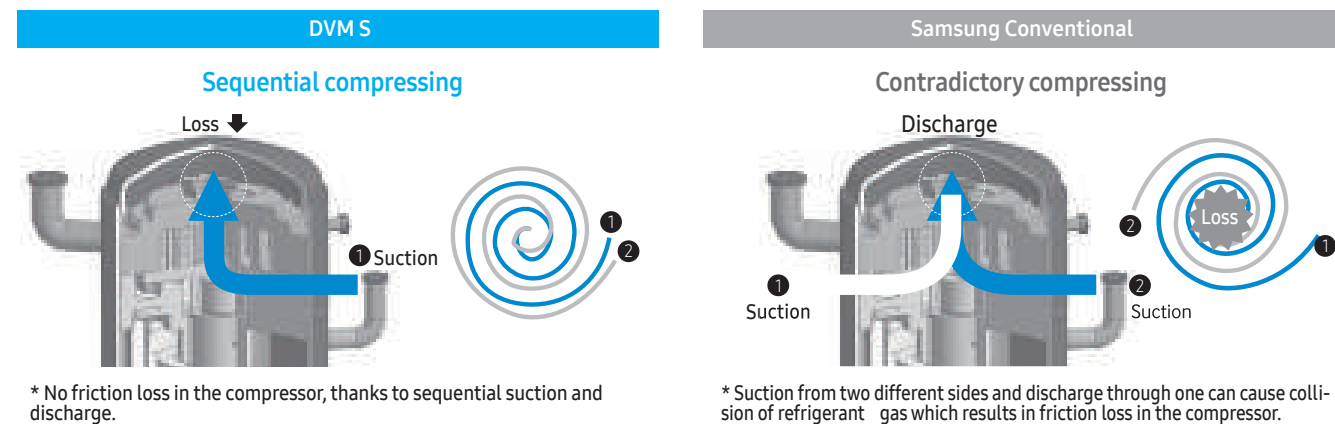
DVM S compensates for the long piping distance between outdoor units and indoor units by providing balanced refrigerant distribution. The individual indoor units perform capacity connection control and automatic refrigerant balancing to ensure balanced performance between the units.



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.

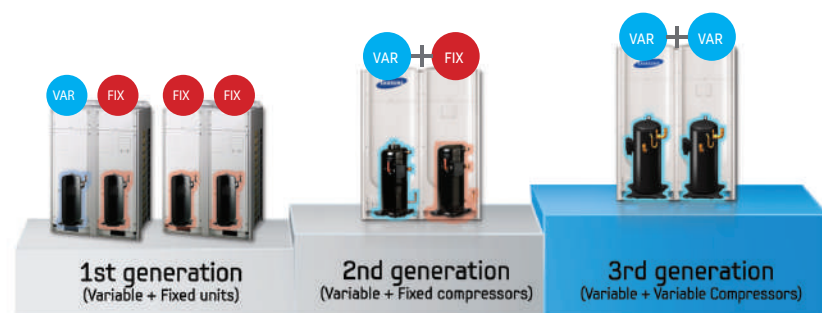
Asymmetric Scroll Design

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



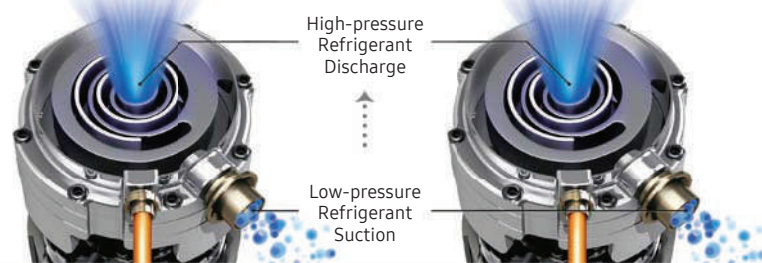
Dual Smart Inverter (DSI) System

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.



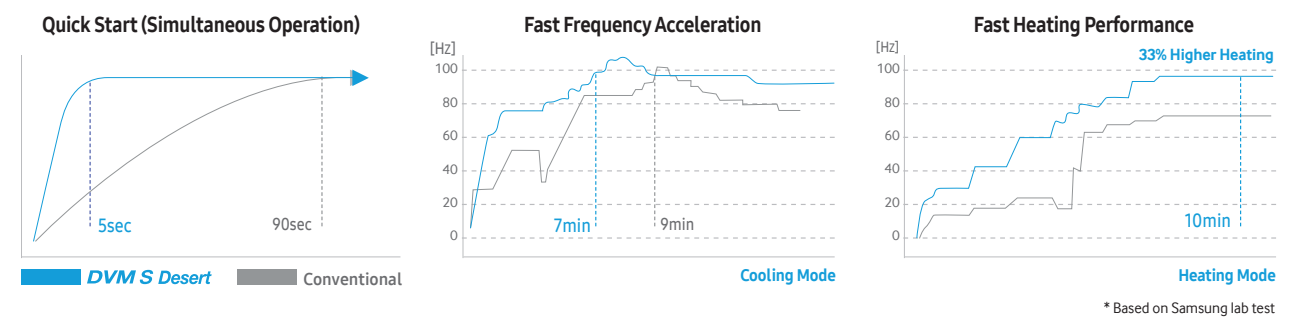
DDI System

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



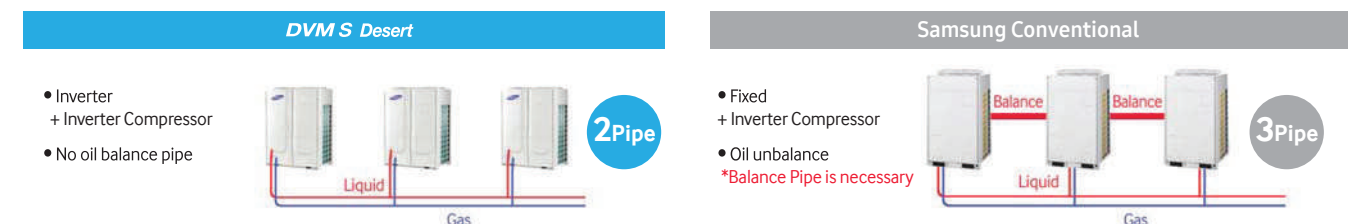
Quick Cooling and Heating

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



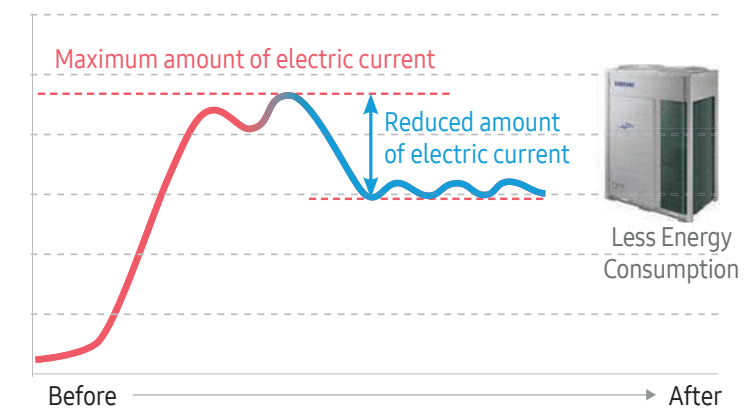
Auto Oil Balancing

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.

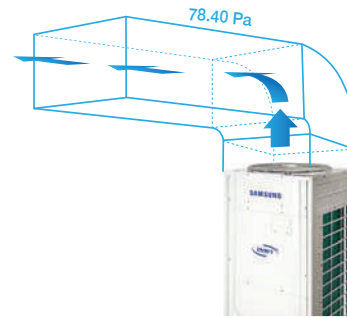


DVM S

SMART OPERATION

High external static pressure

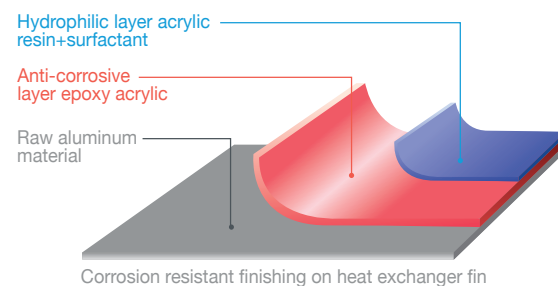
To properly deal with unexpected and varying installation conditions, DVM S is designed to manage high external static pressures up to 78.40pa.



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.



Corrosion resistant finishing on heat exchanger fin

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.



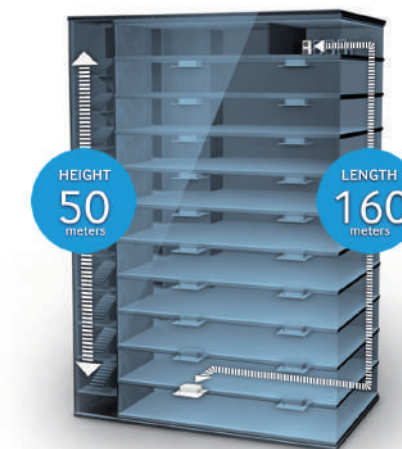
DVM S ECO

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.



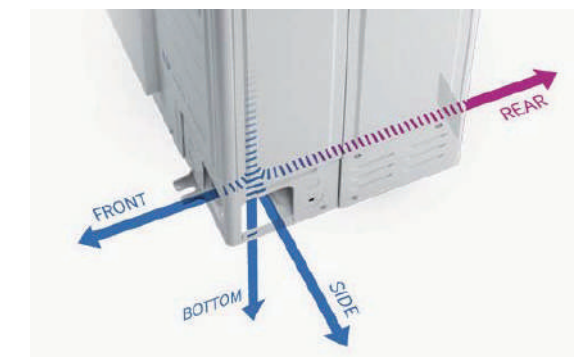
Flexible Piping Design

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

Control your cooling anywhere

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.



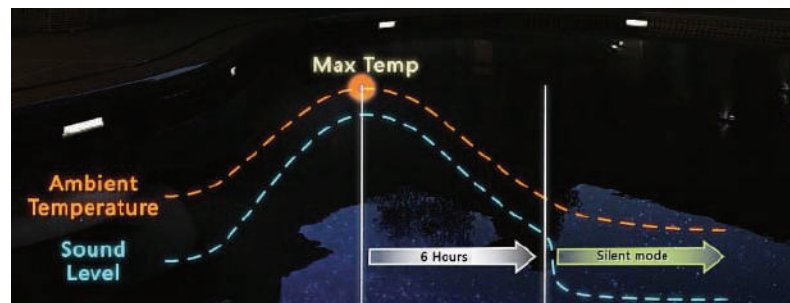
High Energy Efficiency Performance

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.



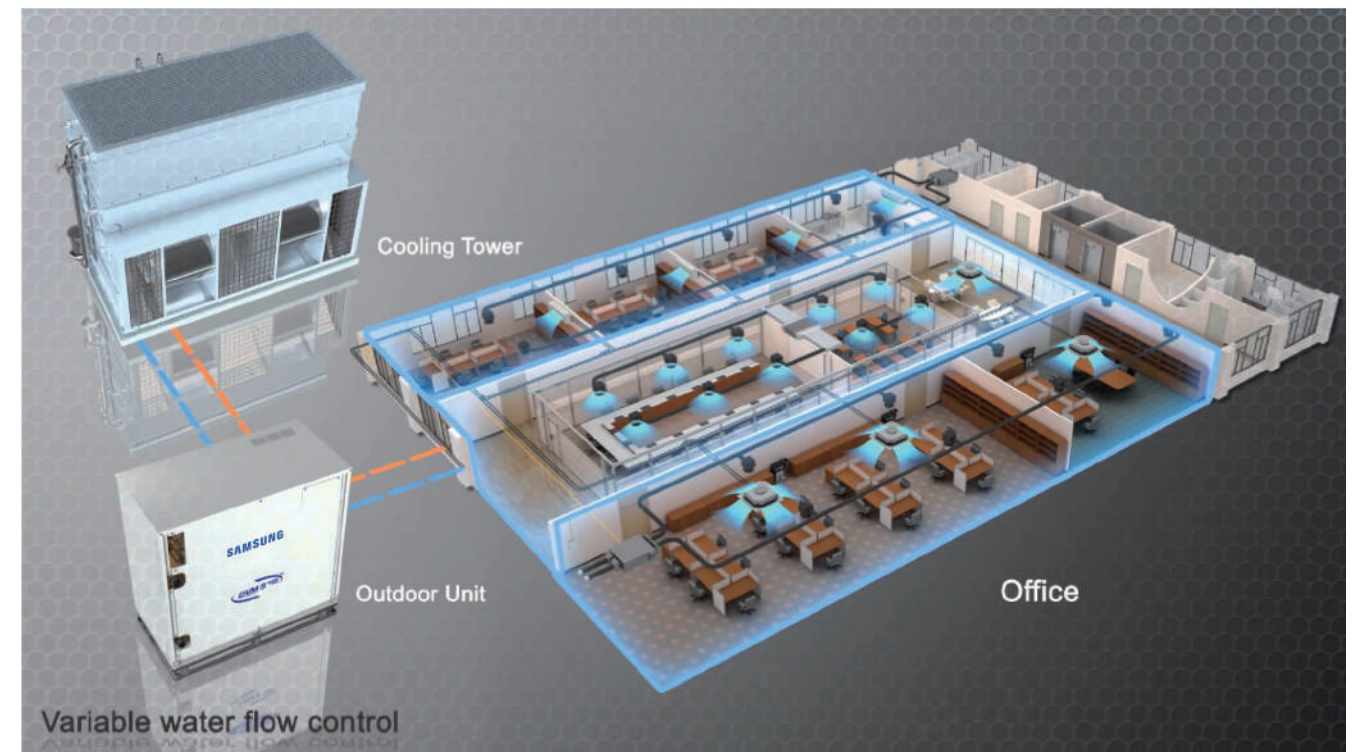
DVM S WATER

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.

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.

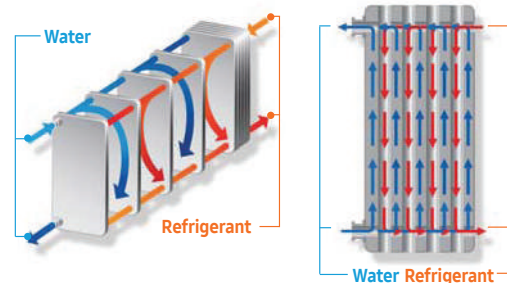
Independent cooling and heating

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.

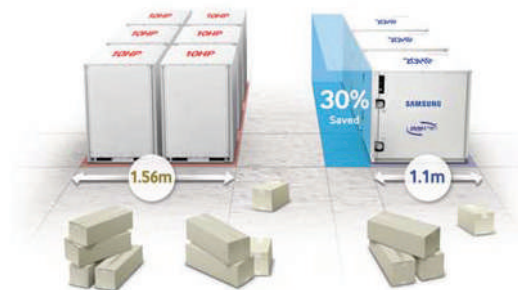


Simplify installation with a cost-saving, adaptable design

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.

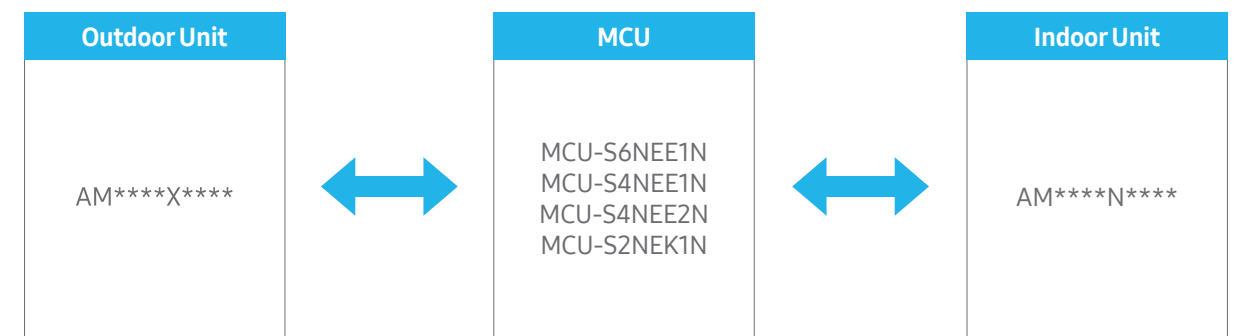
Economical design and setup

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.



MCU indoor/outdoor unit compatibility table

Before installing MCU, refer to the compatibility table below and find the model before installation.



	Model	Description
MCU Kit	MCU-S6NEE1N	Below 6 indoor units, below 56 kW (192MBH)
	MCU-S4NEE1N	Below 4 indoor units, below 56 kW (192MBH)
	MCU-S4NEE2N	Below 2 large capacity indoor unit, below 56 kW (192MBH)
	MCU-S2NEK1N	Below 2 indoor units, below 28 kW (96MBH)

DVMS

OUTDOOR UNITS SPECIFICATION



DVMS

COMBINATION TABLE

STANDARD COMBINATION (ENERGY SAVING)

System Model		No. of Modules	Capacity of Single Unit (HP)									
Module	Single		8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP	22 HP	24 HP	26 HP
8	AM080FXVAGH/TK	1	1									
10	AM100FXVAGH/TK	1		1								
12	AM120FXVAGH/TK	1			1							
14	AM140FXVAGH/TK	1				1						
16	AM160FXVAGH/TK	1					1					
18	AM180FXVAGH/TK	1						1				
20	AM200FXVAGH/TK	1							1			
22	AM220FXVAGH/TK	1								1		
24	AM240HXVAGH/TK	1									1	
26	AM260HXVAGH/TK	1										1
28	AM280HXVAGH1TK	1			1		1					
30	AM300HXVAGH1TK	2			1			1				
32	AM320HXVAGH1TK	2			1				1			
34	AM340HXVAGH1TK	2			1					1		
36	AM360HXVAGH1TK	2				1				1		
38	AM380HXVAGH1TK	2					1			1		
40	AM400HXVAGH1TK	2				1						1
42	AM420HXVAGH1TK	2						1	1			
44	AM440HXVAGH1TK	2								2		
46	AM460HXVAGH1TK	3			2					1		
48	AM480HXVAGH1TK	3			1	1				1		
50	AM500HXVAGH1TK	3			1		1			1		
52	AM520HXVAGH1TK	3			1			1		1		
54	AM540HXVAGH1TK	3			1				1	1		
56	AM560HXVAGH1TK	3			1					2		
58	AM580HXVAGH1TK	3				1				2		
60	AM600HXVAGH1TK	3					1			2		
62	AM620HXVAGH1TK	3						1		2		
64	AM640HXVAGH1TK	3							1	2		
66	AM660HXVAGH1TK	3								3		
68	AM680HXVAGH1TK	4			2					2		
70	AM700HXVAGH1TK	4			1	1				2		
72	AM720HXVAGH1TK	4			1		1			2		
74	AM740HXVAGH1TK	4			1			1		2		
76	AM760HXVAGH1TK	4			1				1	2		
78	AM780HXVAGH1TK	4			1					3		
80	AM800HXVAGH1TK	4				1				3		

DVMS

COMBINATION TABLE

COMPACT COMBINATION (SPACE SAVING)

System Model		No. of Modules	Capacity of Single Unit (HP)									
Module	Single		8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP	22 HP	24 HP	26 HP
8	AM080FXVAGH/TK	1	1									
10	AM100FXVAGH/TK	1		1								
12	AM120FXVAGH/TK	1			1							
14	AM140FXVAGH/TK	1				1						
16	AM160FXVAGH/TK	1					1					
18	AM180FXVAGH/TK	1						1				
20	AM200FXVAGH/TK	1							1			
22	AM220FXVAGH/TK	1								1		
24	AM240HXVAGH/TK	1									1	
26	AM260HXVAGH/TK	1										1
28	AM280HXVAGH1TK	1					1					
30	AM300HXVAGH1TK	2			1			1				
32	AM320HXVAGH1TK	2			1				1			
34	AM340HXVAGH1TK	2			1					1		
36	AM360HXVAGH2TK	2			1						1	
38	AM380HXVAGH2TK	2			1							1
40	AM400HXVAGH1TK	2				1						1
42	AM420HXVAGH1TK	2					1	1				
44	AM440HXVAGH1TK	2							2			
46	AM460HXVAGH2TK	2						1				1
48	AM480HXVAGH2TK	2							1			1
50	AM500HXVAGH2TK	2								1		1
52	AM520HXVAGH2TK	2										2
54	AM540HXVAGH1TK	3			1			1	1			
56	AM560HXVAGH1TK	3			1				2			
58	AM580HXVAGH2TK	3			1			1				1
60	AM600HXVAGH2TK	3			1				1			1
62	AM620HXVAGH2TK	3			1					1		1
64	AM640HXVAGH2TK	3			1							2
66	AM660HXVAGH1TK	3							3			
68	AM680HXVAGH2TK	3							2	1		
70	AM700HXVAGH2TK	3							2			1
72	AM720HXVAGH2TK	3							1	1		1
74	AM740HXVAGH2TK	3							1			2
76	AM760HXVAGH2TK	3								1		2
78	AM780HXVAGH2TK	3										3
80	AM800HXVAGH1TK	4				1			3			

DVMS

COMBINATION TABLE

COOLING ONLY COMBINATION

System Model		No. of Modules	Capacity of Single Unit (HP)											
Module	Single		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	AM080MXVAGC/TS	1	1											
10	AM100MXVAGC/TS	1		1										
12	AM120MXVAGC/TS	1			1									
14	AM140MXVAGC/TS	1				1								
16	AM160MXVAGC/TS	1					1							
18	AM180MXVAGC/TS	1						1						
20	AM200MXVAGC/TS	1							1					
22	AM220MXVAGC/TS	1								1				
24	AM240MXVAGC/TS	1									1			
26	AM260MXVAGC/TS	1										1		
28	AM280MXVAGC/TS	1											1	
30	AM300MXVAGC/TS	1											1	
32	AM320MXVAGC/TS	2		1						1				
34	AM340MXVAGC/TS	2			1						1			
36	AM360MXVAGC/TS	2				1					1			
38	AM380MXVAGC/TS	2					1				1			
40	AM400MXVAGC/TS	2						1			1			
42	AM420MXVAGC/TS	2							1	1				
44	AM440MXVAGC/TS	2								2				
46	AM460MXVAGC/TS	2					1						1	
48	AM480MXVAGC/TS	2						1					1	
50	AM500MXVAGC/TS	2							1				1	
52	AM520MXVAGC/TS	2								1			1	
54	AM540MXVAGC/TS	2									1		1	
56	AM560MXVAGC/TS	2										1	1	
58	AM580MXVAGC/TS	2										1	1	
60	AM600MXVAGC/TS	2											2	
62	AM620MXVAGC/TS	3		1						1			1	
64	AM640MXVAGC/TS	3			1						1		1	
66	AM660MXVAGC/TS	3				1					1		1	
68	AM680MXVAGC/TS	3					1				1		1	
70	AM700MXVAGC/TS	3						1			1		1	
72	AM720MXVAGC/TS	3							1	1			1	
74	AM740MXVAGC/TS	3								2			1	
76	AM760MXVAGC/TS	3									1	1	1	
78	AM780MXVAGC/TS	3									1		1	
80	AM800MXVAGC/TS	3								1		1	1	
82	AM820MXVAGC/TS	3								1			2	
84	AM840MXVAGC/TS	3									1		2	
86	AM860MXVAGC/TS	3										1	2	
88	AM880MXVAGC/TS	3											1	2
90	AM900MXVAGC/TS	3												3

DVM S

SPECIFICATION



DVM S Standard

Model Code	AM800HXVAGHTK	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	
Capacity	HP	80.00
	Cooling [kW]	224.80
	Cooling [Btu/hr]	767,000
Power Input	Cooling [kW]	60.95
	Cooling [kW]	97.70
Current Input	MCA [A]	158.50 (MCA)
	MFA [A]	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.69
	Type	SSC Scroll x 7
Compressor	Output [kW x n]	(6.39) + (6.39x2)x3
	Model Name	DS-GB066FAVB5G x 7
	Type	Propeller
Fan	Output x n [W]	(620.0 x 2) x 4
	Air Flow Rate [CMM]	255 + 290 x 3
	External Static Pressure [mmAq]	8.00
	External Static Pressure [Pa]	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22
	Liquid Pipe [Φ, inch]	7/8"
	Gas Pipe [Φ, mm]	53.98
	Gas Pipe [Φ, inch]	2 1/8"
	Installation Limitation [Max Length] [m]	200
Sound	Sound Pressure [dB(A)]	71.0
	Sound Power [dB(A)]	94.0
External Dimension	Net Weight [kg]	233.0 + 298.0 x 3
	Shipping Weight [kg]	252.0 + 317.0 x 3
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 4
Operating Temp. Range	Cooling [°C]	-5.0 - 48.0



DVM S Compact

Model Code	AM360HXVAGH2TK	AM380HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	
Capacity	HP	36.00
	Cooling [kW]	100.80
	Cooling [Btu/hr]	343,900
Power Input	Cooling [kW]	25.50
	Cooling [kW]	40.33
Current Input	MCA [A]	80.00 (MCA)
	MFA [A]	90.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.95
	Type	SSC Scroll x 3
Compressor	Output [kW x n]	(6.39) + (6.39x2)
	Model Name	DS-GB066FAVB5G x 3
	Type	Propeller
Fan	Output x n [W]	400.0 x 1 + 620.0 x 2
	Air Flow Rate [CMM]	220 + 310
	External Static Pressure [mmAq]	8.00
	External Static Pressure [Pa]	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05
	Liquid Pipe [Φ, inch]	3/4"
	Gas Pipe [Φ, mm]	41.28
	Gas Pipe [Φ, inch]	1 5/8"
	Installation Limitation [Max Length] [m]	200
Sound	Sound Pressure [dB(A)]	68.0
	Sound Power [dB(A)]	91.0
External Dimension	Net Weight [kg]	184.5 + 356.0
	Shipping Weight [kg]	200.5 + 371.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765 + 1,295 x 1,695 x 765
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832 + 1,363 x 1,887 x 832
Operating Temp. Range	Cooling [°C]	-5.0 - 48.0

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 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not).
 *PDM kit: Pressure Drop Modulation kit
 4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

DVM S

SPECIFICATION



DVM S Compact

Model Code	AM460HXVAGH2TK	AM480HXVAGH2TK	AM500HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50		
Capacity	HP	46.00	50.00
	Cooling [kW]	128.80	140.00
	Cooling [Btu/hr]	439,500	477,700
Power Input	Cooling [kW]	34.49	36.40
	Cooling [kW]	54.68	57.11
Current Input	MCA [A]	100.50 (MCA)	113.00 (MCA)
	MFA [A]	125.00	125.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.73	3.85
	Type	SSC Scroll x 4	SSC Scroll x 4
Compressor	Output [kW x n]	(6.39x2) + (6.76x2)	(6.39x2) + (6.76x2)
	Model Name	DS-GB066FAVB5G x 2 + DS-GB070FAVASG x 2	DS-GB066FAVB5G x 2 + DS-GB070FAVASG x 2
	Type	Propeller	Propeller
Fan	Output x n [W]	(620.0 x 2) x 2	(620.0 x 2) x 2
	Air Flow Rate [CMM]	290 + 310	290 + 310
	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"
	Gas Pipe [Φ, mm]	41.28	41.28
	Gas Pipe [Φ, inch]	1 5/8"	1 5/8"
	Installation Limitation [Max Length] [m]	200	200
Sound	Sound Pressure [dB(A)]	69.0	70.0
	Sound Power [dB(A)]	92.0	93.0
External Dimension	Net Weight [kg]	298.0 + 356.0	298.0 + 356.0
	Shipping Weight [kg]	317.0 + 371.0	317.0 + 371.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 - 48.0	-5.0 - 48.0



DVM S Compact

Model Code	AM520HXVAGH2TK	AM580HXVAGH2TK	AM600HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50		
Capacity	HP	52.00	60.00
	Cooling [kW]	145.60	168.00
	Cooling [Btu/hr]	496,800	573,200
Power Input	Cooling [kW]	38.60	45.05
	Cooling [kW]	60.56	71.58
Current Input	MCA [A]	116.00 (MCA)	127.50 (MCA)
	MFA [A]	150.00	150.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.77	3.73
	Type	SSC Scroll x 4	SSC Scroll x 5
Compressor	Output [kW x n]	(6.76x2)x2	(6.39) + (6.39x2) + (6.76x2)
	Model Name	DS-GB070FAVASG x 4	DS-GB066FAVB5G x 3 + DS-GB070FAVASG x 2
	Type	Propeller	Propeller
Fan	Output x n [W]	(620.0 x 2) x 2	400.0 x 1 + (620.0 x 2) x 2
	Air Flow Rate [CMM]	310 x 2	220 + 290 + 310
	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	19.05	19.05
	Liquid Pipe [Φ, inch]	3/4"	3/4"
	Gas Pipe [Φ, mm]	41.28	41.28
	Gas Pipe [Φ, inch]	1 5/8"	1 5/8"
	Installation Limitation [Max Length] [m]	200	200
Sound	Sound Pressure [dB(A)]	70.0	70.0
	Sound Power [dB(A)]	93.0	93.0
External Dimension	Net Weight [kg]	356.0 x 2	184.5 + 298.0 + 356.0
	Shipping Weight [kg]	371.0 x 2	200.5 + 317.0 + 371.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 - 48.0	-5.0 - 48.0

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 * If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not).
 *PDM kit: Pressure Drop Modulation kit
 4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

DVM S

SPECIFICATION



DVM S Compact

Model Code	AM620HXVAGH2TK	AM640HXVAGH2TK	AM680HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	62.00	64.00
	Cooling [kW]	173.60	179.20
	Cooling [Btu/hr]	592,300	611,500
Power Input	Cooling [kW]	44.80	47.00
	Cooling [kW]	70.61	74.06
Current Input	MCA [A]	138.00 (MCA)	141.00 (MCA)
	MFA [A]	175.00	175.00
	EER (Nominal Cooling) [kW/kW]	3.88	3.81
Compressor	Type	SSC Scroll x 5	SSC Scroll x 5
	Output [kW x n]	(6.39) + (6.39x2) + (6.76x2)	(6.39) + (6.76x2)x2
	Model Name	DS-GB066FAVB5G x 3 + DS-GB070FAVASG x 2	DS-GB066FAVB5G x 1 + DS-GB070FAVASG x 4
Fan	Type	Propeller	Propeller
	Output x n [W]	400.0 x 1 + (620.0 x 2) x 2	400.0 x 1 + (620.0 x 2) x 2
	Air Flow Rate [CMM]	220 x 310 x 2	220 x 310 x 2
	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200
Sound	Sound Pressure [dB(A)]	71.0	71.0
	Sound Power [dB(A)]	94.0	95.0
External Dimension	Net Weight [kg]	184.5 + 356.0 x 2	184.5 + 356.0 x 2
	Shipping Weight [kg]	200.5 + 371.0 x 2	200.5 + 371.0 x 2
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 - 48.0	-5.0 - 48.0



DVM S Compact

Model Code	AM700HXVAGH2TK	AM720HXVAGH2TK	AM740HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	70.00	72.00
	Cooling [kW]	196.00	201.60
	Cooling [Btu/hr]	668,800	687,900
Power Input	Cooling [kW]	54.00	53.75
	Cooling [kW]	85.88	84.91
Current Input	MCA [A]	147.00 (MCA)	157.50 (MCA)
	MFA [A]	175.00	175.00
	EER (Nominal Cooling) [kW/kW]	3.63	3.75
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(6.39x2)x2 + (6.76x2)	(6.39x2) + (6.39x2) + (6.76x2)
	Model Name	DS-GB066FAVB5G x 4 + DS-GB070FAVASG x 2	DS-GB066FAVB5G x 4 + DS-GB070FAVASG x 2
Fan	Type	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate [CMM]	290 x 2 + 310	290 + 310 x 2
	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200
Sound	Sound Pressure [dB(A)]	71.0	71.0
	Sound Power [dB(A)]	95.0	95.0
External Dimension	Net Weight [kg]	298.0 x 2 + 356.0	298.0 + 356.0 x 2
	Shipping Weight [kg]	317.0 x 2 + 371.0	317.0 x 2 + 371.0 x 2
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling [°C]	-5.0 - 48.0	-5.0 - 48.0

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 * If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not).
 * PDM kit: Pressure Drop Modulation kit
 4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

DVM S

SPECIFICATION



DVM S Compact

Model Code	AM760HXVAGH2TK	AM780HXVAGH2TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50
Capacity	HP	76.00
	Cooling [kW]	212.80
	Cooling [Btu/hr]	726,100
Power Input	Cooling [kW]	55.70
	Cooling [kW]	87.39
Current Input	MCA [A]	171.00 (MCA)
	MFA [A]	200.00
	EER (Nominal Cooling) [kW/kW]	3.82
Compressor	Type	SSC Scroll x 6
	Output [kW x n]	(6.39x2) + (6.76x2)x2
	Model Name	DS-GB066FAVB5G x 2 + DS-GB070FAVASG x 4
Fan	Type	Propeller
	Output x n [W]	(620.0 x 2) x 3
	Air Flow Rate [CMM]	310 x 3
	External Static Pressure [mmAq]	8.00
	External Static Pressure [Pa]	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22
	Liquid Pipe [Φ, inch]	7/8"
	Gas Pipe [Φ, mm]	53.98
	Gas Pipe [Φ, inch]	2 1/8"
	Installation Limitation [Max Length] [m]	200
Sound	Sound Pressure [dB(A)]	72.0
	Sound Power [dB(A)]	96.0
External Dimension	Net Weight [kg]	356.0 x 3
	Shipping Weight [kg]	371.0 x 3
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 3
Operating Temp. Range	Cooling [°C]	-5.0 - 48.0



DVM S Cooling Only

Model Code	AM080MXVAGC/TS	AM100MXVAGC/TS	AM120MXVAGC/TS
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	8.00	10.00
	Cooling [kW]	22.40	28.00
	Cooling [Btu/hr]	76,400	95,500
Power Input	Cooling [kW]	4.98	6.36
	Cooling [kW]	8.00	10.20
Current Input	MCA [A]	18.00 (MCA)	22.80 (MCA)
	MFA [A]	25.00	32.00
	EER (Nominal Cooling) [kW/kW]	4.50	4.40
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1
	Output [kW x n]	(5.18)	(5.18)
	Model Name	DS-GB052FAVB x 1	DS-GB052FAVB x 1
Fan	Type	Propeller	Propeller
	Output x n [W]	830.0 x 1	830.0 x 1
	Air Flow Rate [CMM]	170	170
	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	9.52	9.52
	Liquid Pipe [Φ, inch]	3/8"	3/8"
	Gas Pipe [Φ, mm]	19.05	22.22
	Gas Pipe [Φ, inch]	3/4"	7/8"
	Installation Limitation [Max Length] [m]	200	200
Sound	Sound Pressure [dB(A)]	57.0	61.0
	Sound Power [dB(A)]	77.0	80.0
External Dimension	Net Weight [kg]	185.0	185.0
	Shipping Weight [kg]	197.0	197.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765	880 x 1,695 x 765
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832	948 x 1,887 x 832
Operating Temp. Range	Cooling [°C]	-5.0 - 48.0	-5.0 - 48.0

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 * If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not).
 * PDM kit: Pressure Drop Modulation kit
 4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

DVM S

SPECIFICATION

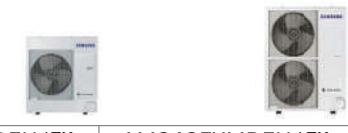


DVM S Cooling Only

Model Code	AM860MXVAGC/TS	AM880MXVAGC/TS	AM900MXVAGC/TS
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	86.00	88.00
	Cooling [kW]	240.80	246.60
	Cooling [Btu/hr]	821,600	841,400
Power Input	Cooling [kW]	74.07	76.05
	Cooling [kW]	118.70	121.90
Current Input	MCA [A]	190.00 (MCA)	195.00 (MCA)
	MFA [A]	225.00	225.00
	MFA [A]	225.00	225.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.25	3.24
	EER (Nominal Cooling) [kW/kW]	3.25	3.24
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(6.39x2) + (7.81x2)x2	(6.76x2) + (7.81x2)x2
	Model Name	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB070FAVA x 2 + DS4GJ5080FVA x 4
Fan	Type	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate [CMM]	320 + 340 x 2	340 x 3
	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200
Sound	Sound Pressure [dB(A)]	73.0	74.0
	Sound Power [dB(A)]	94.0	95.0
	Sound Power [dB(A)]	94.0	95.0
External Dimension	Net Weight [kg]	330.0 + 342.0 x 2	335.0 + 342.0 x 2
	Shipping Weight [kg]	352.0 + 364.0 x 2	357.0 + 364.0 x 2
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,987 x 832) x 3	(1,363 x 1,987 x 832) x 3
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0

DVM S ECO

SPECIFICATION



DVM S ECO

Model Code	AM040KXMDEH/TK	AM050KXMDEH/TK	AM040FXMDEH/TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Capacity	HP	4	5
	Cooling [kW]	12.1	14.0
	Cooling [Btu/hr]	41,200	48,000
Maximum number of connectible indoor units [ea]	6	8	6
Power Input (Nominal)	Cooling [kW]	3.60	4.00
	Cooling [kW]	3.60	4.00
Current Input (Nominal)	Cooling [A]	17.5	19.5
	MCA [A]	24.0	27.0
	MFA [A]	32.0	40.0
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.36	3.50
	EER (Nominal Cooling) [kW/kW]	3.36	3.50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Output [kW x n]	4.12	4.12
	Model Name	UG5T450FUEJX	UG5T450FUEJX
Fan	Type	Propeller	Propeller
	Output x n [W]	125 x 1	139 x 1
	Air Flow Rate [CMM]	64.00	70.00
	External Static Pressure (Max) [mmAq]	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88
	Gas Pipe [Ø, inch]	5/8	5/8
	Installation Limitation [Max Length]	50	50
	Installation Limitation [Max Height]	30	30
Sound	Sound Pressure [dB(A)]	52	55
	Net Weight [kg]	79	83.5
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 998 x 330
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0

DVM S ECO

Model Code	AM040FXMDGH/TK	AM050FXMDEH/TK	AM050FXMDGH/TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	1, 2, 220-240, 50	3,4,380-415,50
Capacity	HP	4	5
	Cooling [kW]	12.1	14.0
	Cooling [Btu/hr]	41,200	47,800
Maximum number of connectible indoor units [ea]	6	8	8
Power Input (Nominal)	Cooling [kW]	2.99	3.69
	Cooling [kW]	2.99	3.69
Current Input (Nominal)	Cooling [A]	4.8	17.9
	MCA [A]	10.0	24.0
	MFA [A]	20.0	32.0
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	4.05	3.79
	COP (Nominal Heating) [kW/kW]	4.47	4.43
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Output [kW x n]	4.12	4.12
	Model Name	UG5T450FUFJXSG	UG5T450FUEJXSG
Fan	Type	Propeller	Propeller
	Output x n [W]	125 x 2	125 x 2
	Air Flow Rate [CMM]	100.00	100.00
	External Static Pressure (Max) [mmAq]	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88
	Installation Limitation [Max Length]	150	150
	Installation Limitation [Max Height]	50	50
	Sound Pressure [dB(A)]	50	51
External Dimension (Outdoor Unit)	Net Weight [kg]	100	100
	Net Dimensions (WxHxD) [mm]	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

* Product Specification in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
 * If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
 1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB, Equivalent refrigerant piping : 7.5m, Level differences: 0m.
 2) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 3) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If level difference is higher than 50m, make a decision simulating by PDM kit installation guide software (whether the PDM kit should be installed or not).
 *PDM kit: Pressure Drop Modulation kit
 4) MCA: Minimum Circuit Amps, MFA: Maximum Fuse Amps.

* Product Specification in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
 * Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB
 * The maximum height of installation limitation for piping connections is only allowable when using PDM kits. PDM kit: Pressure Drop Modulation kit
 * MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

DVM S ECO

SPECIFICATION



DVM S ECO

Model Code	AM060FXMDEH/TK	AM060FXMDGH/TK	AM080FXMDGC/TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1, 2, 220-240, 50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	6	8
	Cooling [kW]	15.5	22.4
	Cooling [Btu/hr]	52,900	76,400
Maximum number of connectible indoor units [ea]	9	9	13
Power Input (Nominal)	Cooling [kW]	4.31	5.72
	Cooling [A]	21.0	9.7
Current Input (Nominal)	MCA [A]	32.0	18.0
	MFA [A]	40.0	25.0
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.60	3.92
Compressor	Type	Twin BLDC Rotary	Inverter Scroll
	Output [kW x n]	4.12	4.96
	Model Name	UG5T450FUEJXSG	DS-GB052FAVAD
Fan	Type	Propeller	Propeller
	Output x n [W]	125 x 2	180 x 2
	Air Flow Rate [CMM]	100.00	135.00
	External Static Pressure (Max) [mmAq]	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	19.05	19.05
	Installation Limitation [Max Length]	150	100
	Installation Limitation [Max Height]	50	30
Sound	Sound Pressure [dB(A)]	53	56
	Net Weight [kg]	103	135
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330	940 x 1,420 x 330
	Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0



DVM S ECO

Model Code	AM100KXMDGH/TK	AM120KXMDGH/TK	AM140KXMDGH/TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	10	14
	Cooling [kW]	28.0	40.0
	Cooling [Btu/hr]	95,500	136,500
Maximum number of connectible indoor units [ea]	18	21	26
Power Input (Nominal)	Cooling [kW]	7.29	10.59
	Cooling [A]	11.5	16.5
Current Input (Nominal)	MCA [A]	21.5	32.0
	MFA [A]	30.0	40.0
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.84	3.78
Compressor	Type	Inverter Scroll	Inverter Scroll
	Output [kW x n]	5.18	6.76
	Model Name	DS-GB052FAVB	DS-GB070FAVA
Fan	Type	Propeller	Propeller
	Output x n [W]	244 x 2	244 x 2
	Air Flow Rate [CMM]	165.00	180.00
	External Static Pressure (Max) [mmAq]	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	12.7
	Gas Pipe [Ø, mm]	22.22	28.58
	Installation Limitation [Max Length]	160	160
	Installation Limitation [Max Height]	40	40
Sound	Sound Pressure [dB(A)]	58	62
	Net Weight [kg]	145	162
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	940 x 1,630 x 460	940 x 1,630 x 460
	Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0

* Product Specification in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
 * Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB
 * The maximum height of installation limitation for piping connections is only allowable when using PDM kits. PDM kit: Pressure Drop Modulation kit
 * MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

DVM S ECO

SPECIFICATION



DVM S ECO Anti Corrosion

Model Code	AM040MXMKKC/EA	AM050MXMKKC/EA
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50/60	1,2,220-240,50/60
Capacity	HP	5.00
	Cooling [kW]	10.99
	Cooling [Btu/hr]	37,500
Power Input	Cooling [kW]	2.80
	Cooling [A]	13.50
Current Input (Nominal)	Heating [A]	-
	MCA [A]	22.00 (MCA)
	MFA [A]	32.00
COP	Nominal Cooling 1)	3.93
	Nominal Heating 2)	-
Compressor	Type	Twin BLDC Rotary x 1
	Output [kW x n]	(4.12)
	Model Name	UG5T450FUEJXSG x 1
Fan	Type	Propeller / BLDC
	Air Flow Rate [CMM]	60
	Air Flow Rate [L/s]	1,000.00
	External Static Pressure (Max) [mmAq]	-
	External Static Pressure (Max) [Pa]	-
Piping Connections	Liquid Pipe [Ø, mm]	9.52
	Gas Pipe [Ø, mm]	15.88
	Installation Limitation [Max Length]	70
	Installation Limitation [Max Height]	30.0
Sound	Sound Pressure [dB(A)]	50.0
	Net Weight [kg]	76.0
External Dimension (Outdoor Unit)	Shipping Weight [kg]	79.0
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330
	Shipping Dimensions (WxHxD) [mm]	995 x 1,136 x 426
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0
	Heating [°C]	-



DVM S ECO Anti Corrosion

Model Code	AM060MXMKKC/EA	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50/60	
Capacity	HP	6.00
	Cooling [kW]	16.00
	Cooling [Btu/hr]	54,600
Power Input	Cooling [kW]	4.20
	Cooling [A]	20.20
Current Input (Nominal)	Heating [A]	-
	MCA [A]	32.00 (MCA)
	MFA [A]	40.00
COP	Nominal Cooling 1)	3.81
	Nominal Heating 2)	-
Compressor	Type	Twin BLDC Rotary x 1
	Output [kW x n]	(4.12)
	Model Name	UG5T450FUEJXSG x 1
Fan	Type	Propeller / BLDC
	Air Flow Rate [CMM]	100
	Air Flow Rate [L/s]	1,666.67
	External Static Pressure (Max) [mmAq]	-
	External Static Pressure (Max) [Pa]	-
Piping Connections	Liquid Pipe [Ø, mm]	9.52
	Gas Pipe [Ø, mm]	19.05
	Installation Limitation [Max Length]	150
	Installation Limitation [Max Height]	50.0
Sound	Sound Pressure [dB(A)]	53.0
	Net Weight [kg]	95.0
External Dimension (Outdoor Unit)	Shipping Weight [kg]	105.0
	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330
	Shipping Dimensions (WxHxD) [mm]	995 x 1,388 x 426
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0
	Heating [°C]	-

* Product Specification in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
 * Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB
 * The maximum height of installation limitation for piping connections is only allowable when using PDM kits. PDM kit: Pressure Drop Modulation kit
 * MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

DVM S






INDOOR UNITS






DVM S

INDOOR LINE-UP






CASSETTE

Model		 360 Cassette	 4 Way	 4 Way (600x600)	 1 Way	 2 Way
Capacity (kW)	2.2			•	•	
	2.8			•	•	
	3.2			•		
	3.6			•		
	4.5	•	•	•	•	
	5.6	•	•	•	•	•
	6.0			•		
	7.1	•	•		•	•
	9.0	•	•			
	11.2	•	•			
	12.8	•	•			
14.0	•	•				


CONSOLE, CEILING & FLOOR STANDING

Model		 Floor Standing	 Ceiling	 Console
Capacity (kW)	2.8			•
	3.6			•
	5.6		•	•
	7.1		•	
	14	•		
	28	•		

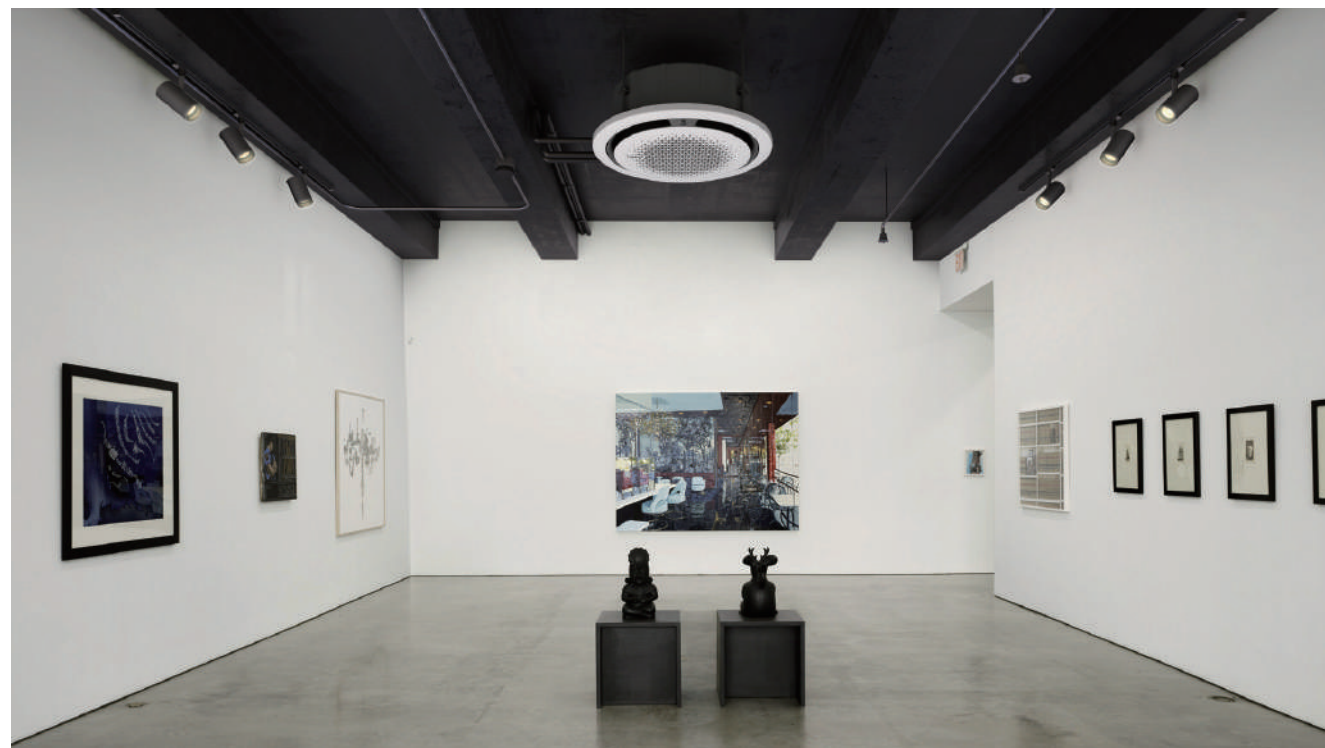
DUCT

Model		 Duct S	 Slim Duct	 MSP Duct	 HSP Duct	 Big Duct
Capacity (kW)	2.2		•	•		
	2.8		•	•		
	3.6	•	•	•		
	4.5	•	•	•		
	5.6	•	•	•		
	7.1	•	•	•		
	9.0	•	•	•		
	11.2	•	•	•	•	
	12.8	•	•	•	•	
	14.0	•	•	•	•	
	16.0		•	•		
	18.0					•
	22.4				•	•
	28.0				•	

WALL MOUNTED

Model		 AR5000
Capacity (kW)	1.5	•
	2.2	•
	2.8	•
	3.6	•
	4.5	•
	5.6	•
	7.1	•
	8.2	•

360 CASSETTE



The circular-shaped 360 Bladeless Cassette is Samsung's latest innovative design for air conditioning indoor unit. The ground breaking bladeless circular design allows for even cooling with no loss in airflow, setting a new standard for multi-directional cassette units.

Evenly circulates & cools every corner

Unlike traditional 4-way cassette units, the cutting-edge design of the 360 Bladeless Cassette delivers almost zero angle airflow with our patented booster fan technology. The air volume is maintained at 100% to deliver an optimal even cooling performance without creating cold draft. A circular outlet discharges cool air in all directions, creating even comfort cooling throughout the room*.



360 CASSETTE

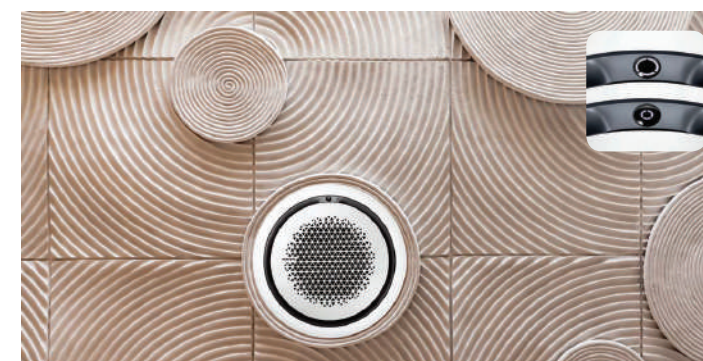
Comfort Cooling

The bladeless outlet ensures that cool air is gently dispersed, without creating cold draft. Airflow is not blocked at low angles, so that it can expel 25%* more air and spread further.



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

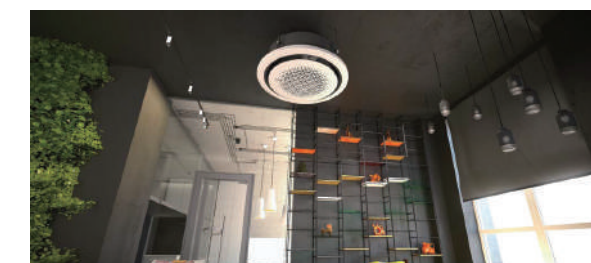
Circular LED Display Window



The 360 Bladeless Cassette combines revolutionary performance with an elegant design which will blend in and enhance any setting. The unit features a stylish panel and intuitive LED display that allows users to change the air flow direction depending on preference. Users can choose from three settings including horizontal, vertical, and control individual zone's air flow direction.

Circular to Perfectly Fit in Everywhere

Users have a choice of either black or white, square or round panel, to fit the air conditioner within the ceiling or exposed, and with any finishing such as wood, concrete, wallpaper and paint, offering ultimate flexibility to suit the style of any room.



All round simpler & intuitive control

Premium Dial Remote Control

Users have the option of a wheel dial wireless remote controller with a dedicated button for comfort cooling.



Virus Doctor Kit

The Samsung Virus Doctor Kit can also be added to reduce dust, airborne contaminants, allergens, bacteria and viruses.

Wi-Fi Kit

Users also have the option to add on a Wi-Fi® Kit to remotely control their air conditioner anytime, anywhere.



NEW FOR 2018

No more cold-draft with Samsung Wind-Free™

Wind-Free™ Air conditioner is notable for maintaining gentle air flow through the unit to regulate temperatures without adjusting temperature or turning it off.



Wind-Free™
1 Way Cassette



Wind-Free™
4 Way Cassette



Wind-Free™
4 Way Cassette



Wind-Free™ technology keeps the place cool and comfortable, without the feeling of cold-draft.



New and improved Wider and Bigger blade that cools large area much faster.



Enjoy up to 55% Energy Savings with Wind-Free™ operation.

WIND-FREE™ 4 WAY CASSETTE



Wind-Free™ Cooling.

Get cool fast, Stay Cool without Direct Wind

The Wind-Free™ Air conditioner pushes air out through 15,700 micro holes in the panel, producing a dispersed and gentle flow of air actually defined as “still air” and the key here is all of those holes create a still, cooled air flow that infiltrates the room gently and softly.

* Still Air condition: According to ASHRAE, if velocity of wind is lower than 0.15m/s, people can not detect wind. They define that condition as “Still Air”

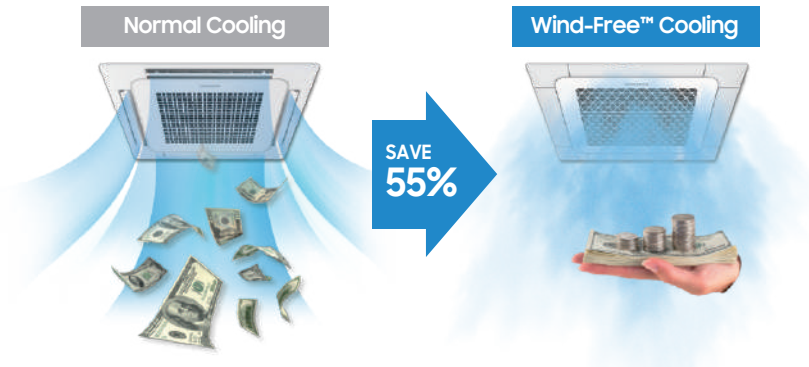


WIND-FREE™

Energy saving with Wind-Free™ Cooling

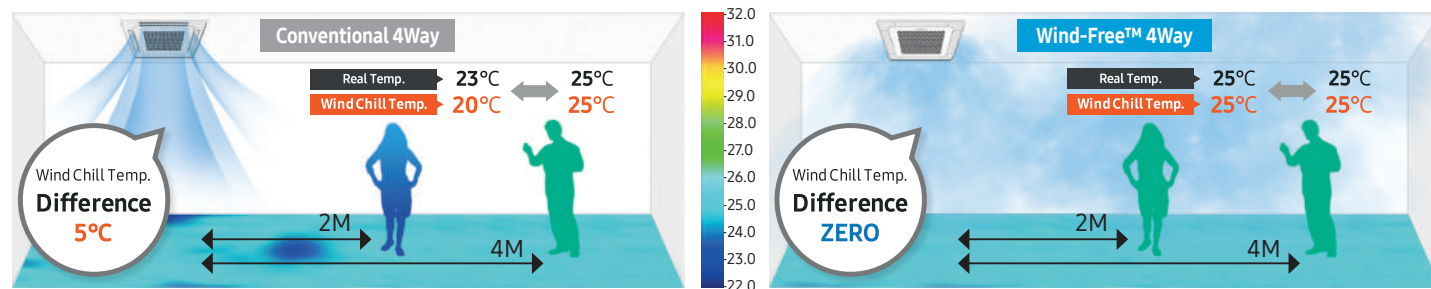
Under the same condition, Wind-Free™ Cooling Mode can save energy use by 55% compared to conventional cooling.

※ Test Condition
 - Test model: Wind-Free™ 4Way 14.0 kW
 - Temperature: OD 35°C DB / 24°C WB, ID 27°C DB / 19°C WB



Even Cooling in All Area

Wind-Free™ Cooling keeps the temperature inside the room all evenly.



Comfortable Cooling with Wind-Free™

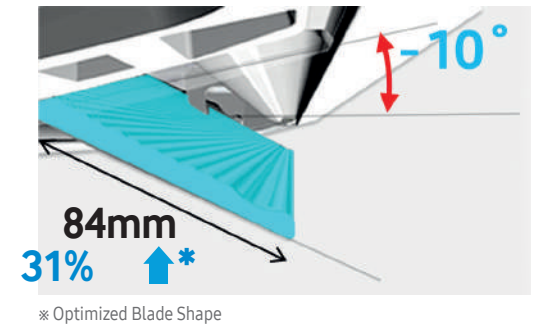
The 2-Step Cooling, cools the air fast with its Fast Cooling mode, then when it reaches the desired temperature it automatically switches to Wind-Free™ cooling mode to maintain the temperature. So you can stay comfortable, without feeling the cold-draft.



4 WAY CASSETTE

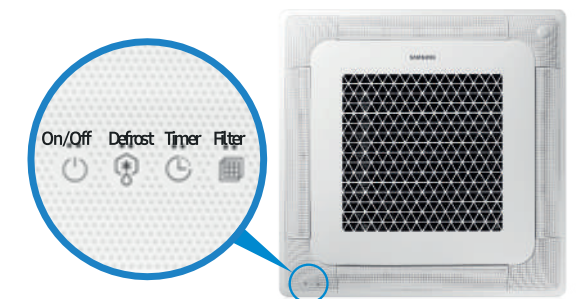
Big Blade, Long Wind

The new bigger and optimized blades enables wider cooling range. With its 84mm optimized blade shape increase by 31% compared to conventional 4 Way Casette.



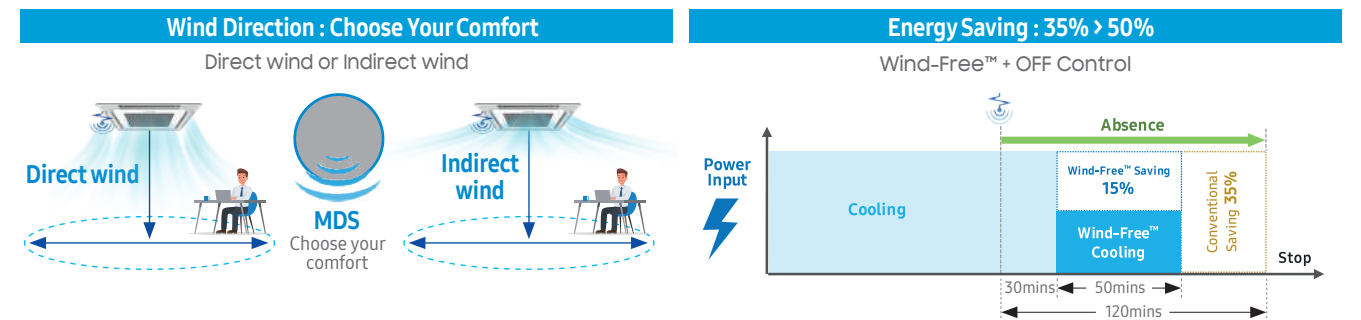
Aesthetic panel and display

Wind-Free™ 4 Way Cassette offers different designs for the panel. The right look to suit their design preference. Plus, the simple display design.



Motion detect sensor (Optional)

Motion detect sensor enables customized airflow and energy efficient operation.



4 WAY CASSETTE(600X600)

Wind-Free™ Cooling also comes with 4 Way Cassette (600 x 600)

Stylish design, an effective Smart Inverter compressor and a plethora of innovative features make Samsung 4-Way Cassette (600x600) great for residential and light commercial applications with limited roof space.



Customisable Airflow

Samsung 4-way cassette enables users to manipulate the angles of the fan blades for more efficient cooling through a remote controller.

Quiet, Even Airflow Distribution

Samsung's aerodynamically designed Turbo Fan minimises blade movement noise, meaning our new 4-way Cassette is quieter than conventional models. The Turbo Fan's wide blades also provide evenly distributed cool air from four separate outlets so that the entire room can cool down faster.



4 WAY CASSETTE



Stylish design, an effective Smart Inverter compressor and a plethora of innovative features make Samsung 4-Way Cassette great for residential and light commercial applications with limited roof space.

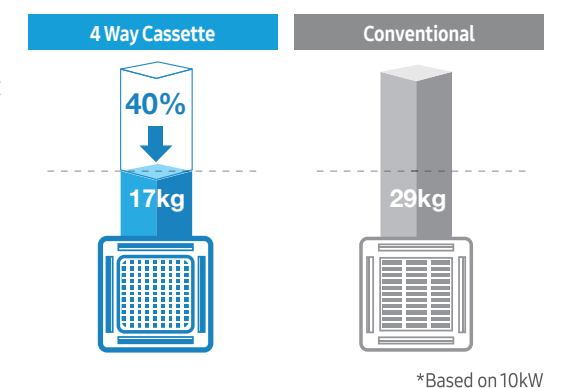
Customizable Airflow

Samsung 4-way cassette enables users to manipulate the angles of the fan blades for more efficient cooling through a remote controller. Users can individually set the opening angles of the four blades at the same angle or different angles (32° - 65°) to create the right cooling environment.



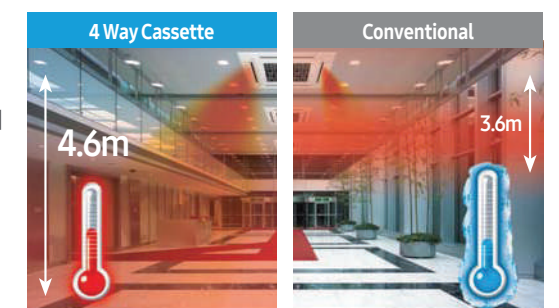
Lightweight build

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.



Optimal Airflow for High Ceilings

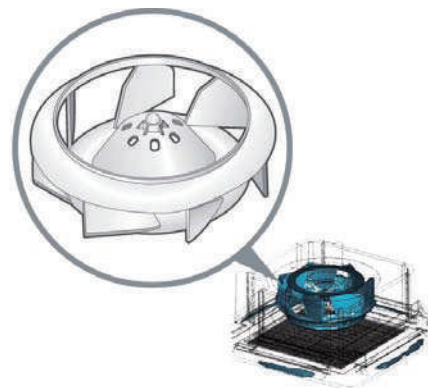
You can get optimum fan speed for high ceilings through the remote control, without having to adjust the DIP switch on the PCB. The fan speed adjustment function evenly distributes cool air throughout spaces with ceilings of up to 3.6m. And the high ceiling mode delivers even more powerful airflow coverage throughout the interior space, enlarging the airflow coverage area for height up to 4.6m.



4 WAY CASSETTE

Quiet, Even Airflow Distribution

Samsung's aerodynamically designed Turbo Fan minimises blade movement noise, meaning our new 4-way Cassette is quieter than conventional models. The Turbo Fan's wide blades also provide evenly distributed cool air from four separate outlets so that the entire room can cool down faster.



Easy Blade Cleaning

Samsung 4-way cassettes have detachable air flow blades. You do not need to remove the entire panel to clean the blades, making maintenance even easier.



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.



OPTIONAL FEATURES

Virus Doctor Kit

Samsung's Virus Doctor device generates active hydrogen and oxygen ions which reduces up to 99%[^] of biological contaminants and active oxygen (OH-radical) in the air by turning them into harmless H₂O. This optional device can be easily installed by inserting into the indoor unit.

[^]This is based on Samsung's internal test results and individual results may vary.



Wi-Fi Kit

It allows you to remotely control your air conditioning system anytime anywhere subject to internet connectivity.

Wi-Fi and Wi-Fi Direct[®] are registered trademarks of Wi-Fi Alliance.

1 WAY CASSETTE

Wind-Free™ Cooling. Get cool fast, Stay Cool without Direct Wind

The Wind-Free™ Cooling effectively maintains a comfortable level of coolness without the unpleasant feeling of cold-draft. Cool air is gently dispersed through 10,000 micro air holes, so you don't feel too cold or hot.



*Still Air condition : According to ASHRAE, If velocity of wind is lower than 0.15m/s, People can not detect wind. And they define that condition is "Still Air"

*PC1MWFMAN : 7,534ea
PC1NWFMAN : 10,454ea
PC1BWFMAN : 13,961ea

Energy Saving with Wind-Free™

Wind-Free™ Cooling allows efficient energy saving up to 55% operating angle, along with rapid and even cooling.



* Test Condition
- ODU : DVM S ECO 5HP(AM050FXMDEH)
- IDU : Wind-Free™ 1Way 5.6kW(AM056NN1DEH), 3.6kW(AM036NN1DEH), 2.2kW(AM022NN1DEH) simultaneously running

* Temperature
- OD 35°C DB / 24°C WB
- ID 27°C DB / 19°C WB



1 WAY CASSETTE

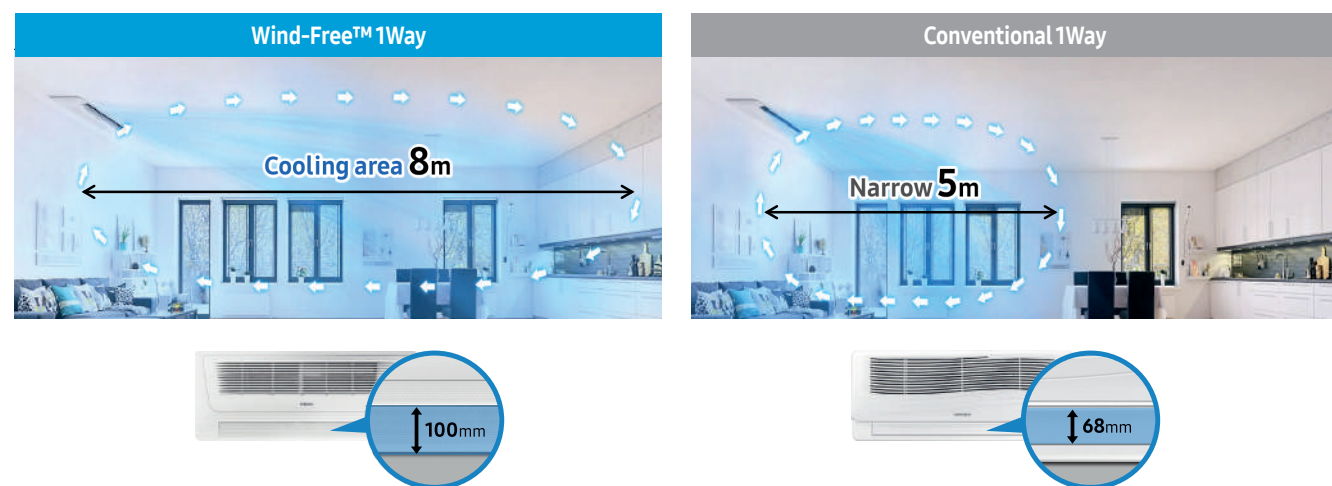
Even Cooling in All Area

Wind-Free™ Cooling keeps the temperature inside all evenly.



Big Blade, Long Wind

Can deliver cool air up to 8m with wider operating angle, along with rapid and even cooling.



Wind-Free™ 2 - Step Cooling

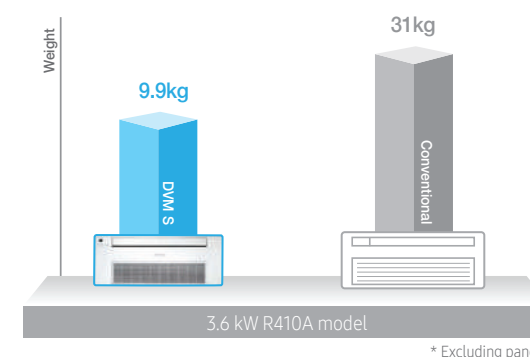
The 2-Step Cooling, cools the air fast with its Fast Cooling mode, then when it reaches the desired temperature it automatically switches to Wind-Free™ cooling mode to maintain the temperature. So you can stay comfortable, without feeling the cold-draft.



1 WAY CASSETTE

Slim and Quiet

At a height of only 135mm, the Slim 1-Way Cassette is compact and lightweight, thus makes installation and maintenance easier. These high-performing units are so subtle that they can blend seamlessly into interiors of any types and styles.

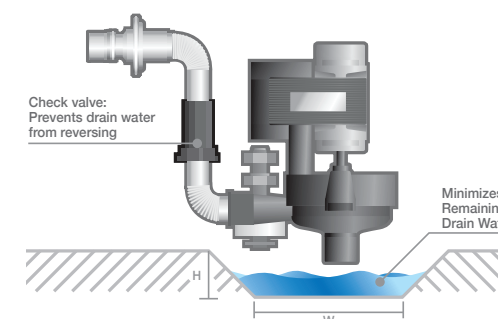
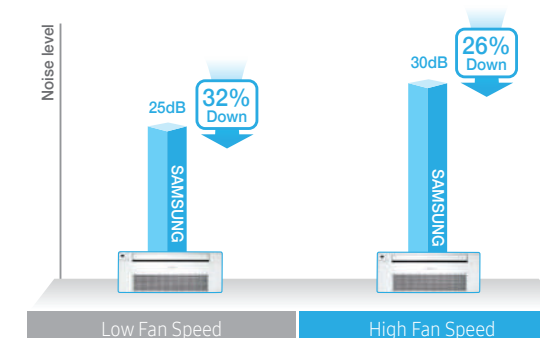


Lighter Indoor Unit

Samsung applies ABS cabinets into its 1-Way Cassette to provide a light weight (10.5kg) indoor unit. The slim and light weight design makes installation and maintenance a breeze.

Quiet Operation

Samsung new blade design drastically reduces noise levels so that you can relax in peace and quietness. A quiet work place is not only more comfortable for employees but also aids productivity. Whether operating on high or low speed setting, this air conditioning unit offers a virtually silent performance.



No Overflowing Drain Water

The check valve on the drain pump prevents drained water from flowing backward into the drain pan. This minimises the drain pan's water level so that you will never have to worry about water stagnation or overflowing drain water that could drip into your interior space.



2 WAY CASSETTE

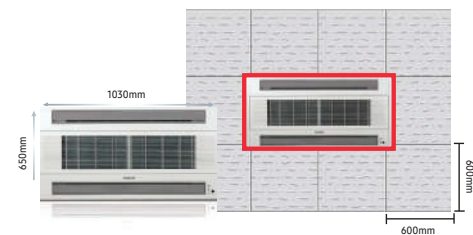
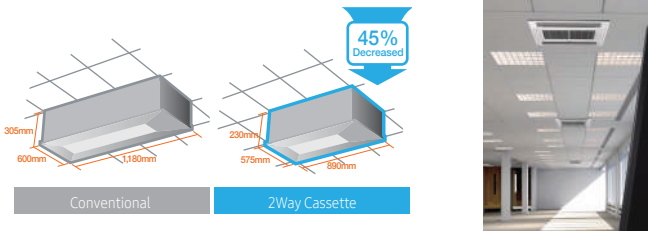
Compact But Powerful

Samsung 2-Way Cassette is a perfect fit for long and narrow places with limited installation space, thanks to its compact and slim size. The unit operates with 2 air outlets, providing powerful and fast cooling performance to create a pleasant environment for you.



Ideal for Long and Narrow Places

With its slim and compact size, Samsung 2-Way Cassette indoor unit is ideal air solution for long and narrow places such as corridor and classroom. It is more space-saving as compared to conventional 4-Way cassette.

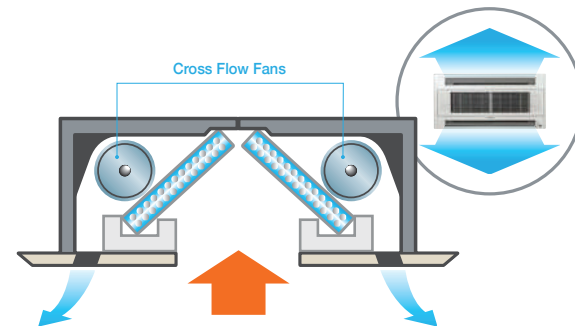
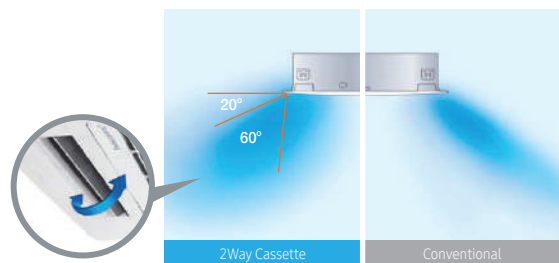


Standardized fit for easy installation

The 2Way Cassette unit dimensions allow for easy installation into standard ceiling grids (600W x 600D) for a tailored fit that blends nearly unnoticeably into the interior framework.

Twin Cross Flow Fan

The innovative Twin Cross Flow Fan distributes cool air further with minimal noise. This efficient system suits rooms of any dimension so no corner is overlooked.



Auto Surround Swing

The 2-way outlet blades swing right and left to evenly distribute cool air to every nook and corner of the room, keeping your environment pleasant and comfortable.

Optimum Temperature Control

The Optimum Temperature Control function detects and minimises temperature difference between the top and bottom of the space to maintain an ideal temperature. Hot and cold spots are reduced, creating a more balanced, comfortable surrounding. You can set the temperature detect option on the indoor unit or with remote control.



- (A): Temperature set by remote controller
- (B): Temperature set by indoor unit
- Average of (A+B): The average temperature

MSP CEILING DUCTED

Powerful and Flexible

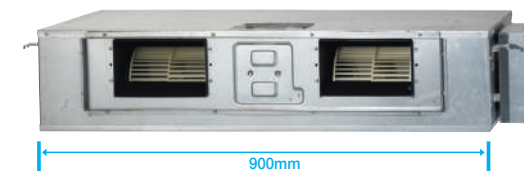
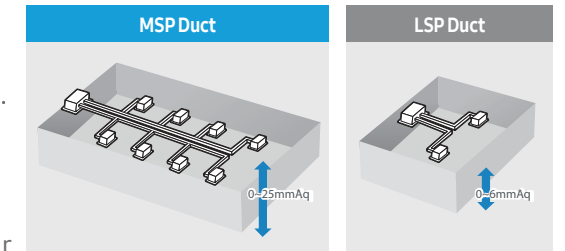
MSP Ceiling Ducted with External Static Pressure (ESP) up to 14mmAq* provides stable and efficient performance in large areas. Its narrow 900mm width enables installation flexibility.



*Applicable to 12.8kW and 14.0kW models.

Strong and Large Coverage Area

The MSP Ceiling Ducted design has the advantage of producing greater static pressure than most other Samsung slim duct units. This provides the opportunity of designing more inlets and outlets, benefiting users by offering a more flexible range of installation options. In turn, this results in larger and more reliable coverage areas, servicing more people with more cool air.



*Measured without control box.

Narrow Width

Samsung MSP Ceiling Ducted has very narrow width of 900mm, which enables flexible installation and maintenance with its compact size, thus maximising your installation convenience.



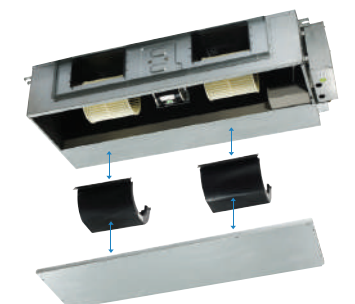
Efficient and Silent

The External Static Pressure Control combines with the simplicity of the MSP Ceiling Ducted's design to guarantee an efficient and silent operation. This means that this innovative air conditioning system is not only for a broad range of work environments, but also ideal for domestic or recreational settings.

The benefits of this unit's outstanding performance can be enjoyed whether at work or play, and it causes such minimal disturbance that it is conducive for use at night-time when sleeping.

Easy to Maintain

Time and maintenance costs are reduced as you can easily remove the bottom panel to access and service the parts.



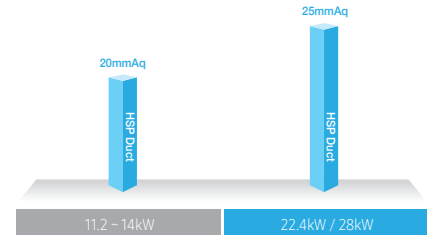
HSP CEILING DUCTED

Powerful and Flexible

Managing high external static pressures up to 25mmAq, the powerful HSP Ceiling Ducted provides a very large coverage area with outstanding cooling performance. HSP Ceiling Ducted is an ideal fit for spaces with high ceiling.



*Applicable to 12.8kW and 14.0kW models.

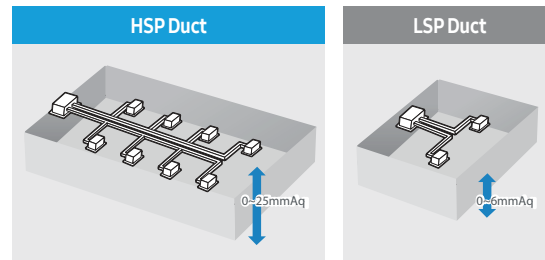


High External Static Pressure

To deal with unexpected various installation conditions, HSP Ceiling Ducted is designed to manage high external static pressures up to 25mmAq.

Strong and Large Coverage Area

HSP Ceiling Ducted features greater static pressure than most of slim ducts. This enables you to design more inlets and outlets with longer duct work to provide more cool air to larger areas.

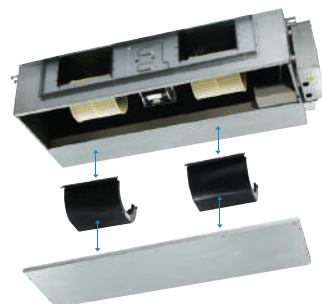


Silent Operation with the Static Pressure Control

Whatever the environment, our Smart Pressure Control System provides users with consistent cooling power. The Smart Pressure Control System adjusts the fan speed according to External Static Pressure (ESP) so that your ideal ambience is achieved and with a quieter, more efficient operation.

Easy to Maintain

Time and maintenance costs are reduced since parts are easily accessible by removing the button panel.



SLIM CEILING DUCTED

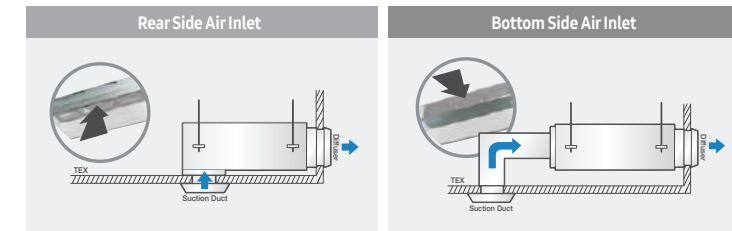
Silent and Flexible

Only 199mm thick, the Slim Ceiling Ducted can be concealed almost anywhere. Its slender design is not only highly elegant, it makes installation, maintenance and repair work quick and easy.



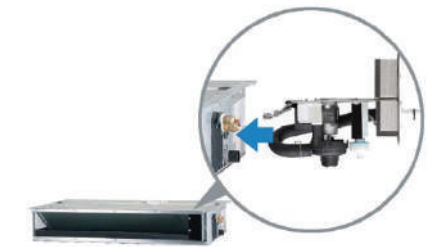
Flexible Installation

Thanks to the option to set up the air inlet on either bottom or rear of the unit, the Slim Ceiling Ducted can be customised to suit any environment. This flexibility in installation means it can be configured to suit almost any room, and is easily concealed behind ceilings, allowing it to blend in while providing an enhanced airflow to the surrounding space.



Easier Drain Pump Installation

The new drain pump can be installed from the side by simply removing the right side panel. You no longer need to disassemble the top cover to install, check or repair the drain pump for maximum convenience.

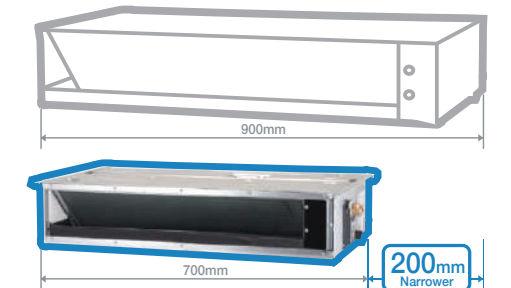


Various installation options

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

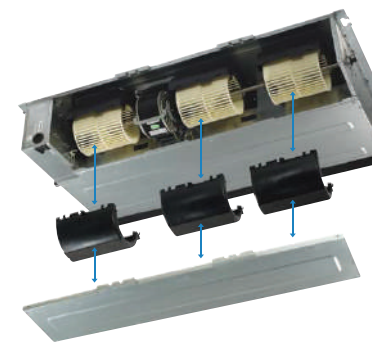
World's lightest weight

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



Easy access, easy maintenance

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



OAP CEILING DUCTED

Quiet and Efficient

Samsung's new Outdoor Air Processing Ceiling Ducted (OAP) is an outside 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 Ceiling Ducted unit can be connected to the same refrigerant line, resulting in enhanced design flexibility and a reduction in total system costs. A BLDC motor extends the saving with lower energy consumption.



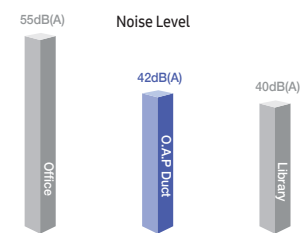
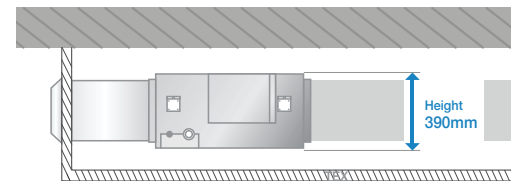
Wide Operation Range

Outdoor Air Processing Ceiling Ducted can supply fresh air to the interior area through cooling or heating processing from a wide range of outside temperature from -5°C ~ 52°C.



Flexible Installation

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



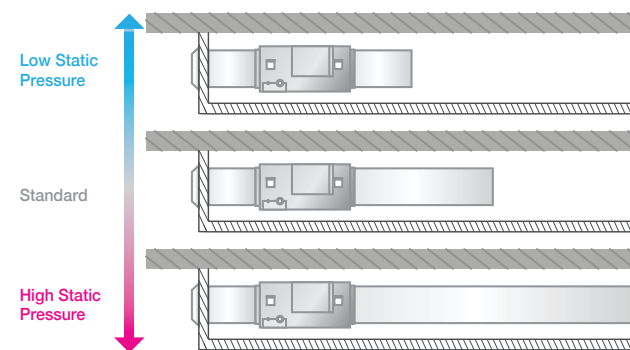
Quiet Operation

Equipped with the highly efficient BLDC motor, Outdoor Air Processing Ceiling Ducted operates quietly with a sound level as low as 42dB, slightly higher than that of a library, while provide your environment with optimum cooling comfort.

* Comparison is based on SHP Duct.

Flexible Static Pressure Control

If the static pressure in installation area of the duct exceeds the standard, then the static pressure control system will adjust the fan speed to maintain the optimised air volume.



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.

WALL MOUNTED

AR5000 SERIES



Triangular Architecture for Powerful Cooling

The unique triangular architecture of Samsung wall-mounted indoor unit radically improves its cooling performance, circulating cool air faster and further around your environment. And its Virus Doctor and Easy Filter reduce dust, contaminants, allergens, bacteria and viruses.

Cools Faster, Farther, and Wider

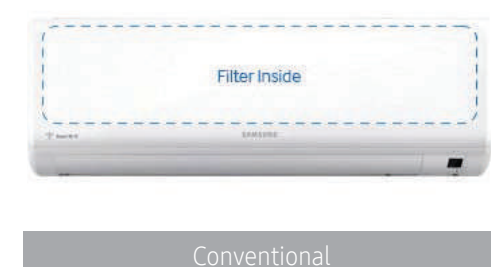
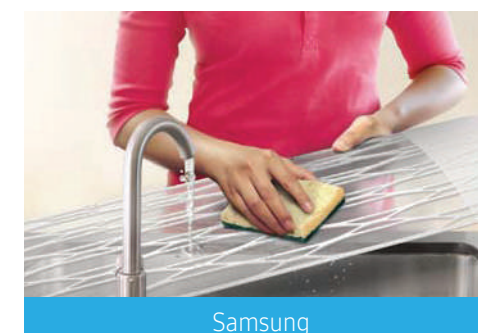
Samsung Air Conditioner is designed to be outstandingly efficient. Its uniquely triangular architecture has a wider intake, so more air can be drawn in. The improved width and angle of its outlet, extra v-blades and a bigger fan also ensure that air is cooled and expelled faster and further. So that refreshingly cool air can reach every corner of your room.



*Compared against Samsung conventional model AQV09TWS.

Easy Clean Filter

Conventional filters are commonly located inside the air conditioner units. One must open the front cover of the air conditioner unit to remove the filter for cleaning. In contrast, Samsung Easy Filter is located on the top side of the unit. It can easily be taken out, cleaned and then placed back. Regular cleaning helps air conditioners to perform at their best. Its anti-bacterial coating filter also reduces dust, airborne contaminants and allergens.*



CONSOLE

Slim and Elegant Console

The slim and elegant Samsung Console indoor unit is designed to perfectly fit for spaces with high ceiling and many windows while maintaining an optimal indoor temperature. Samsung's console air conditioning solution makes any environment more pleasant and comfortable with its 2-way airflow outlets and quiet operation.



Slim Design

The new Console air conditioner is only 199mm thick. Its unobtrusive design easily integrates into any decor.



Stay-clean

The intelligently designed clean panel keeps dust from accumulating, so that the unit and your room stay cleaner.

Sophisticated Control

The touch screen display delivers convenient control, and is an elegant example of functional art.



2-Way Air Outlets

There are two separate air outlets for cooling and heating. The cooling air comes out from the upper part of the air outlet to spread the cool air evenly throughout the room. You can stay cooler in every corner of your room.



CEILING



Slim yet Functional Ceiling Unit

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.

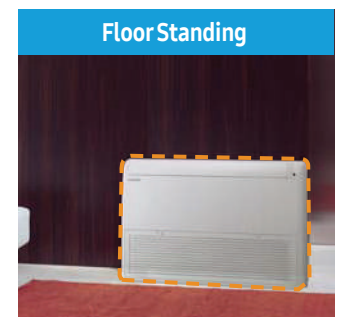
Small package, big performance

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



2-Way Installation

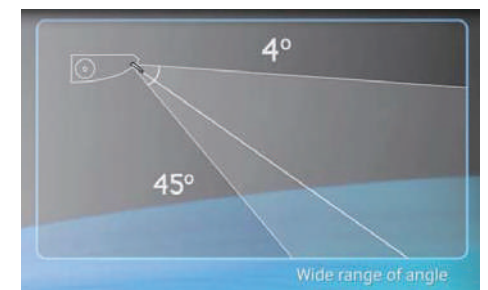
Depending on the available space and the purpose of the air conditioner, the indoor unit can be installed under the ceiling or on the floor.



Fast Cooling, Long Distance e Wind

Samsung's Ceiling Suspend indoor unit applies the latest flow-efficient blowers to increase the amount of cool air it discharges. It also mounts a single BLDC motor to reduce noise.

The advanced blade, which can move from 40° to 45°, distributes cool air to reach every corner of the room.



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

FLOOR STANDING

Super

Ideal for commercial use, the Super air conditioner provides strong and long-range cooling with reliable performance.



Long range air flow

The optimum combination of powerful fan motor and fan ensure a long-range air flow that reaches up to 18m. So, it cools a large room in an instance.

Duct installation for a large space

With duct installation, the air conditioner offers a powerful cooling performance regardless of space characteristics.



Mirage

The superior technologies built in provide the experience of absolute comfort.

4 Way auto swing

There's no need for two air conditioners to cool one large area if you use Mirage. 4 Way Auto Swing cools every corner of the room with powerful air flow from 4 directions.



Full touch panel control

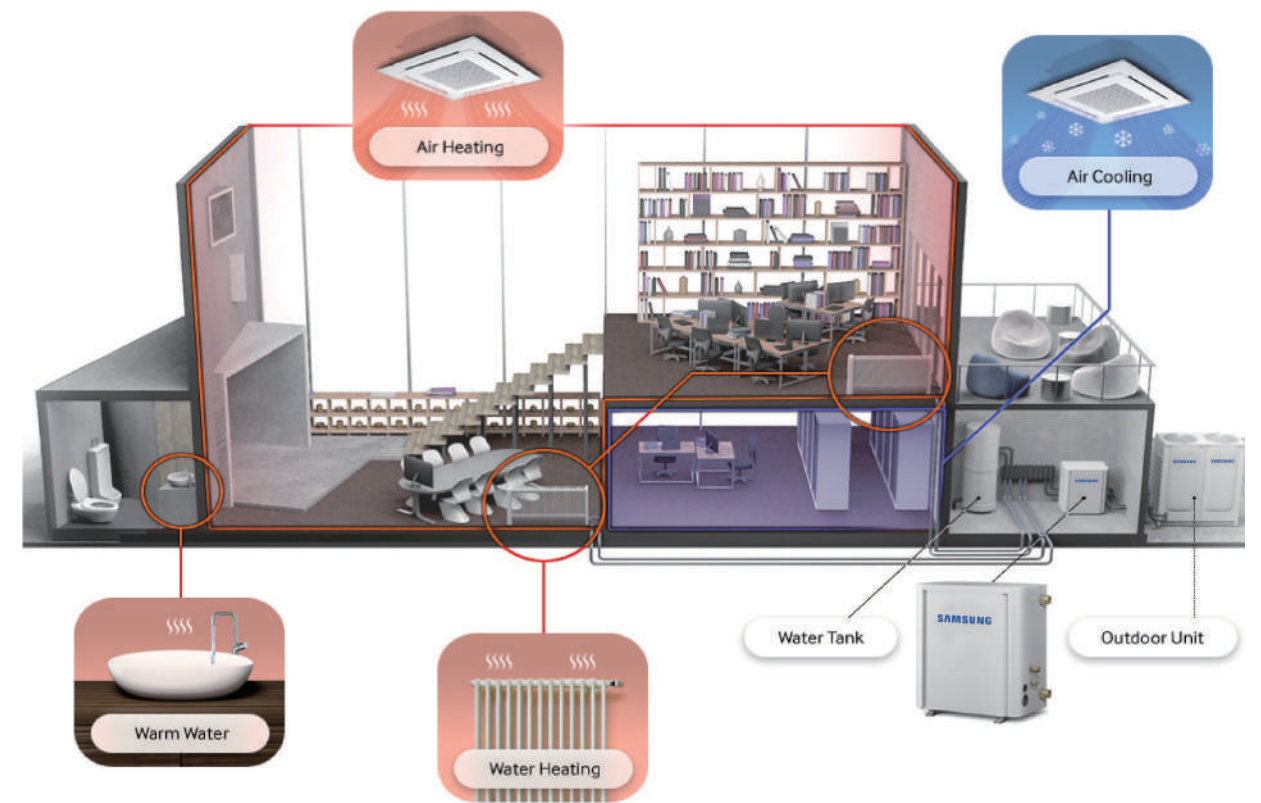
The touch screen display panel lets you easily control the direction of air flow, adjust temperature, and simply adds modern luxury to your room.



Auto shutter

When your air conditioner is turned on, the flaps open, ready to deliver pure and fresh air. When your air conditioner is turned off, however, the flaps close, impeding dust particles from entering the interior of your air conditioner when not in use.

HYDRO UNIT



Streamline operation with all-in-one cooling and heating

Samsung's All In One System air conditioner is the ultimate heating and cooling solution. It operates in air-to-water mode and air-to-air mode, saving installation time and money with a single unit.

Integrated cooling and heating

All In One's integrated design supports both air and water heating with just a single system. This eliminates the need to install a separate boiler and air conditioner, ultimately saving users space, energy and money.

Simplified control

Equipped with related input and output terminals, the Samsung All In One unit eliminates the need for additional connections with BACnet and LonWorks interface kits.



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.

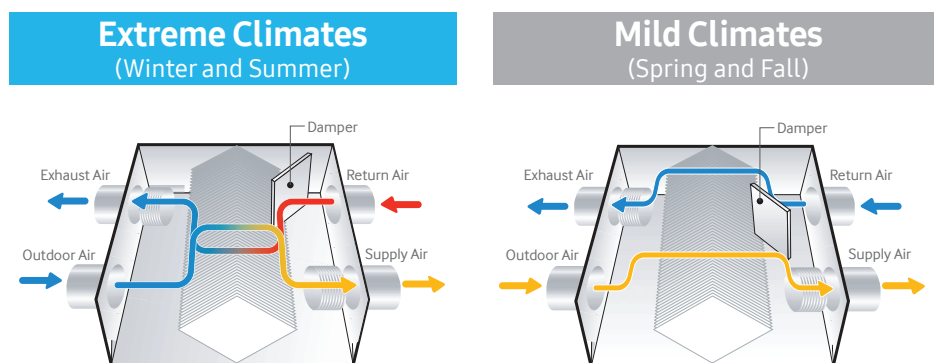
Drive energy savings with unparalleled heat exchange and automated temperature control

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.

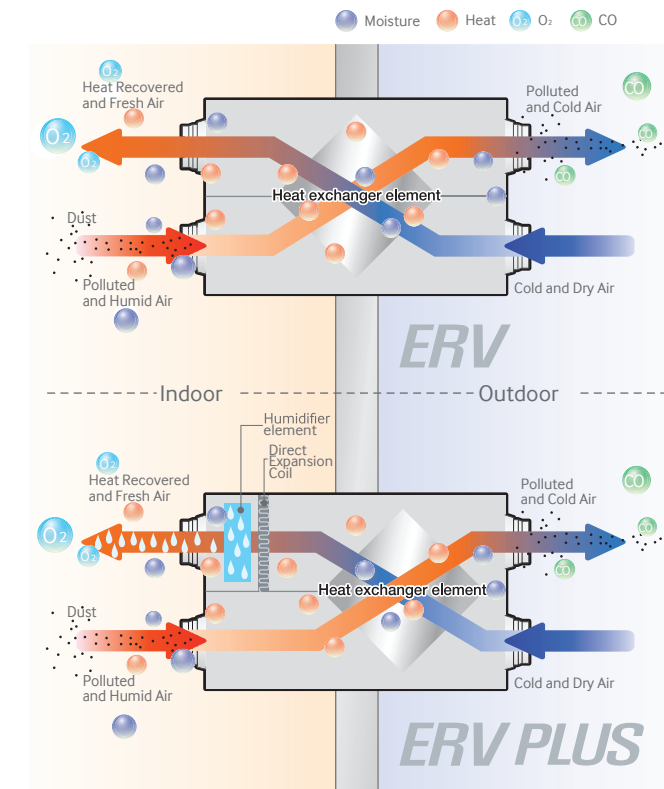


ERV PLUS/ERV

Smart CO₂ Detection

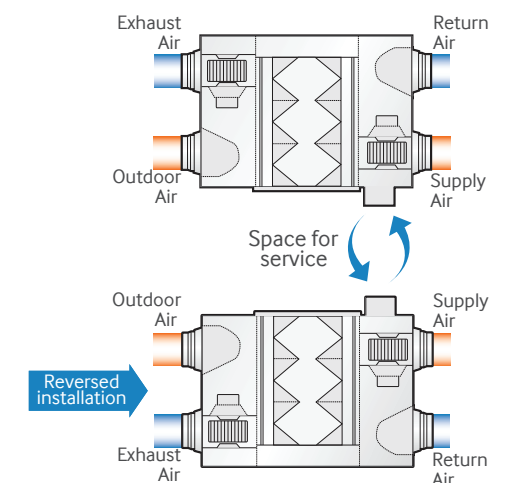
ERV provides fresh in-room airflow by detecting CO₂ with the optional CO₂ Sensor. Users can also attach a humidity stat (procured locally), which detects the moisture of the room and automatically adjusts its humidity level.

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).



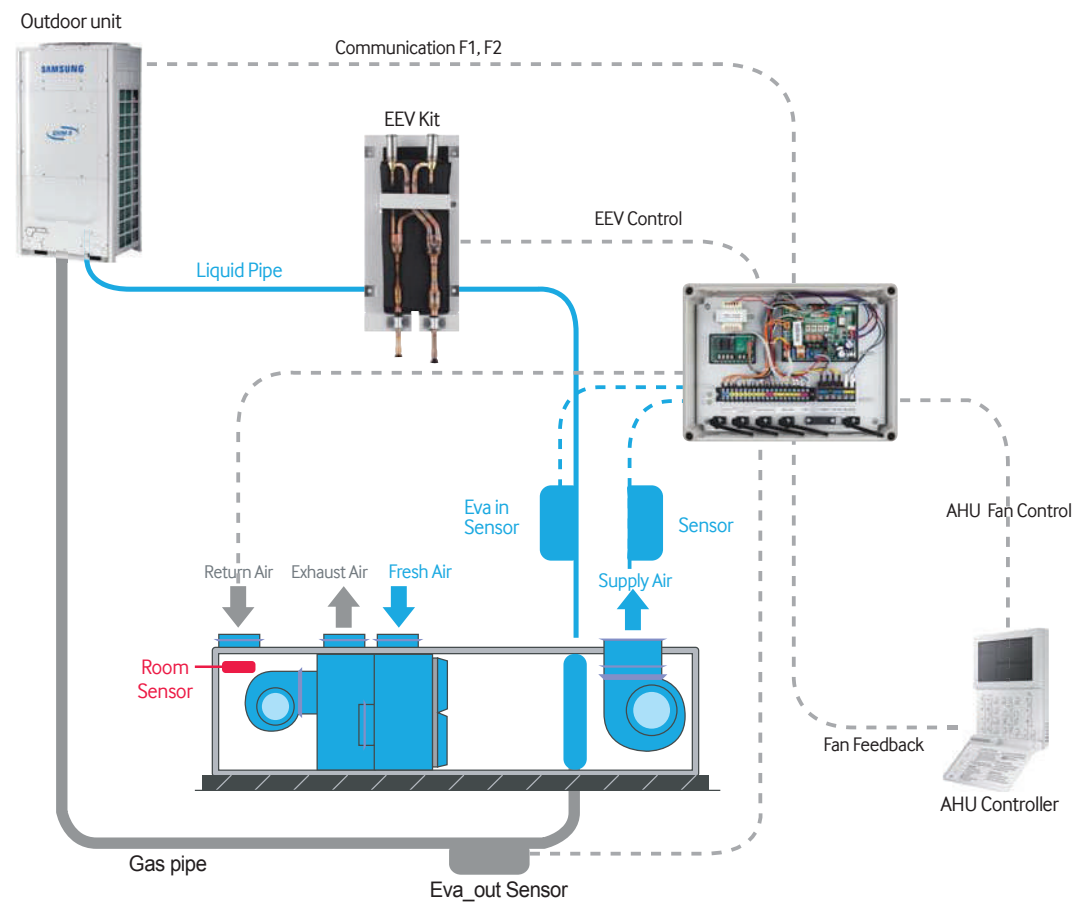
AHU KIT

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 effectivity.

Features includes:

- IP54 waterproof certification (MXD-K***AN)
- Variable capacity
- 2.5HP - 40HP
- Simple BMS application
- 0-10V
- Discharge air temperature control



DVM S INDOOR UNIT SPECIFICATION





360 Cassette

Model Code		AM045KN4DEH	AM056KN4DEH	AM071KN4DEH
Power Supply (Outdoor 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]	4.5	5.6	7.1
	Cooling [Btu/hr]	15,400	19,100	24,200
Power Input	Cooling [kW]	26	30	34
Current Input	Cooling [A]	0.18	0.21	0.25
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	65 x 1	65 x 1	65 x 1
	Air Flow Rate [CMM]	14.50 / 13.50 / 12.50	16.00 / 14.50 / 13.50	18.00 / 16.00 / 14.00
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Gas Pipe [Ø, mm]	12.7	12.7	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	33 / 31 / 29	34 / 32 / 29	36 / 33 / 30
External Dimension (Outdoor Unit)	Net Weight [kg]	21.0	21.0	21.0
	Net Dimensions (WxHxD) [mm]	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947
Panel Size	Panel Model	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Panel Net Weight [kg]	3.6	3.6	3.6
	Net Dimension (WxHxD) [mm]	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000



360 Cassette

Model Code		AM090KN4DEH	AM112KN4DEH	AM128KN4DEH
Power Supply (Outdoor 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]	9.0	11.2	12.8
	Cooling [Btu/hr]	30,700	38,200	43,700
Power Input	Cooling [kW]	55	53	77
Current Input	Cooling [A]	0.42	0.41	0.62
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	65 x 1	97 x 1	97 x 1
	Air Flow Rate [CMM]	22.00 / 18.50 / 16.00	25.50 / 21.00 / 17.50	29.50 / 24.00 / 19.00
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	40 / 36 / 32	40 / 36 / 32	42 / 38 / 33
External Dimension (Outdoor Unit)	Net Weight [kg]	21.0	24.0	24.0
	Net Dimensions (WxHxD) [mm]	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947
Panel Size	Panel Model	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Panel Net Weight [kg]	3.6	3.6	3.6
	Net Dimension (WxHxD) [mm]	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



360 Cassette

Model Code		AM140KN4DEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
System	Mode	HP/HR
Capacity	Cooling [kW]	14.0
	Cooling [Btu/hr]	47,800
Power Input	Cooling [kW]	91
Current Input	Cooling [A]	0.75
Fan	Type	Turbo Fan
	Output x n [W]	97 x 1
	Air Flow Rate [CMM]	31.50 / 26.50 / 21.00
Piping Connections	Liquid Pipe [Ø, mm]	9.52
	Gas Pipe [Ø, mm]	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	44 / 40 / 35
External Dimension (Outdoor Unit)	Net Weight [kg]	24.0
	Net Dimensions (WxHxD) [mm]	947 x 365 x 947
Panel Size	Panel Model	PC4NUDMAN
	Panel Net Weight [kg]	3.6
	Net Dimension (WxHxD) [mm]	1,000 x 66 x 1,000



4 Way Cassette (600 X 600)

Model Code		AM022NNNDEH/TK	AM028NNNDEH/TK	AM036NNNDEH/TK
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]	2.20 kW	2.80 kW	3.60 kW
	Cooling [Btu/h]	7,500	9,600	12,300
Power Input (Nominal)	Cooling [kW]	18.00	18.00	20.00
Current Input (Nominal)	Cooling [A]	0.17	0.17	0.19
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate [CMM]	9.00/7.70/6.50	10.00/8.50/7.50	10.50/9.00/7.50
Piping Connections	Liquid Pipe [Ø,mm]	6.35	6.35	6.35
	Gas Pipe [Ø,mm]	12.7	12.7	12.7
	Drain Pipe [Ø,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	32/29/25	33/30/25	34/30/26
External Dimension (Indoor Unit)	Net Weight [kg]	12	12	12
	Net Dimensions (WxHxD) [mm]	575x250x575	575x250x575	575x250x575
Panel Size	Panel Model	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Panel Net Weight [kg]	2.70	2.70	2.70
	Net Dimensions (WxHxD) [mm]	620x57x620	620x57x620	620x57x620

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



4 Way Cassette (600 X 600)



Model Code		AM045NNDEH/TK	AM056NNDEH/TK	AM060NNDEH/TK
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]	4.50 kW	5.60 kW	6.00 kW
	Cooling[Btu/h]	15,400	19,100	20,500
Power Input (Nominal)	Cooling [kW]	23.00	28.00	31.00
Current Input (Nominal)	Cooling [A]	0.22	0.27	0.3
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate [CMM]	11.50/10.20/9.00	13.00/11.00/9.50	13.50/12.00/10.20
Piping Connections	Liquid Pipe [Φ,mm]	6.35	6.35	6.35
	Gas Pipe [Φ,mm]	12.7	12.7	12.7
	Drain Pipe [Φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	36/34/32	39/36/33	40/38/35
External Dimension (Indoor Unit)	Net Weight [kg]	12	12	12
	Net Dimensions (WxHxD) [mm]	575x250x575	575x250x575	575x250x575
Panel Size	Panel Model	PC4SUF DAN	PC4SUF DAN	PC4SUF DAN
	Panel Net Weight [kg]	2.70	2.70	2.70
	Net Dimensions (WxHxD) [mm]	620x57x620	620x57x620	620x57x620

4 Way Cassette



Model Code		AM112NN4DEH/TK	AM128NN4DEH/TK	AM140NN4DEH/TK
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]	11.20 kW	12.80 kW	14.00 kW
	Cooling[Btu/h]	38,200	43,700	47,800
Power Input (Nominal)	Cooling [kW]	78.00	73.00	89.00
Current Input (Nominal)	Cooling [A]	0.55	0.51	0.62
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate [CMM]	26.0/24.0/22.0	28.0/26.0/23.0	30.0/28.0/26.0
Piping Connections	Liquid Pipe [Φ,mm]	9.52	9.52	9.52
	Gas Pipe [Φ,mm]	15.8	15.8	15.8
	Drain Pipe [Φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	40/38/35	42/40/35	44/41/35
External Dimension (Indoor Unit)	Net Weight [kg]	16.5	18.5	18.5
	Net Dimensions (WxHxD) [mm]	820x204x840	820x204x840	820x204x840
Panel Size	Panel Model	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight [kg]	6.3	6.3	6.3
	Net Dimensions (WxHxD) [mm]	950x64x950	950x64x950	950x64x950

4 Way Cassette



Model Code		AM045NNDEH/TK	AM056NN4DEH/TK	AM071NN4DEH/TK	AM090NN4DEH/TK
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 [kW]	4.50 kW	5.60 kW	7.10 kW	9.00 kW
	Cooling[Btu/h]	15,40	19,10	24,20	30,70
Power Input (Nominal)	Cooling [kW]	32.00	32.00	45.00	62.00
Current Input (Nominal)	Cooling [A]	0.22	0.22	0.31	0.43
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate [CMM]	14.5/13.5/12.5	15.0/14.0/13.0	17.0/15.5/14.5	19.5/18.0/16.5
Piping Connections	Liquid Pipe [Φ,mm]	6.35	6.35	9.52	9.52
	Gas Pipe [Φ,mm]	12.7	12.7	15.8	15.8
	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 [dB(A)]	33/32/30	33/32/30	35/34/33	39/36/33
External Dimension (Indoor Unit)	Net Weight [kg]	15	15	15	15
	Net Dimensions (WxHxD) [mm]	820x204x840	820x204x840	820x204x840	820x204x840
Panel Size	Panel Model	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight [kg]	6.3	6.3	6.3	6.3
	Net Dimensions (WxHxD) [mm]	950x64x950	950x64x950	950x64x950	950x64x950

1 Way Cassette

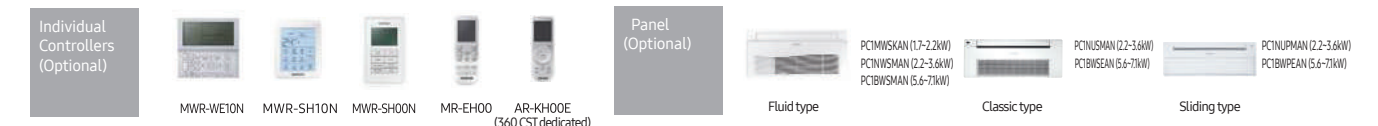


Model Code		AM022NN1DEH/TK	AM028NN1DEH/TK	AM036NN1DEH/TK
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	2.20 kW	2.80 kW	3.60 kW
	Cooling[Btu/h]	7,500	9,600	12,30
Power Input (Nominal)	Cooling [kW]	40.00	45.00	50.00
Current Input (Nominal)	Cooling [A]	0.20	0.23	0.25
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Air Flow Rate [CMM]	6.00/5.00/4.00	7.00/6.00/5.00	8.00/7.00/6.00
Piping Connections	Liquid Pipe [Φ,mm]	6.35	6.35	6.35
	Gas Pipe [Φ,mm]	12.7	12.7	12.7
	Drain Pipe [Φ,mm]	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Sound	Sound Pressure [dB(A)]	29/26/24	32/28/24	37/33/30
External Dimension (Indoor Unit)	Net Weight [kg]	10	10	10
	Net Dimensions (WxHxD) [mm]	970x135x410	970x135x410	970x135x410
Panel Size	Panel Model	PC1NWFMAN	PC1NWFMAN	PC1NWFMAN
	Panel Net Weight [kg]	4.3	4.3	4.3
	Net Dimensions (WxHxD) [mm]	1198x35x500	1198x35x500	1198x35x500

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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB





1 Way Cassette

Model Code		AM056NN1DEH/TK	AM056NNNDEH/TK
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]	5.60 kW	7.10 kW
	Cooling [Btu/h]	19,100	24,200
Power Input (Nominal)	Cooling [kW]	55.00	80.00
Current Input (Nominal)	Cooling [A]	0.28	0.40
Fan	Type	Crossflow Fan	Crossflow Fan
	Air Flow Rate [CMM]	15.00/13.00/11.00	16.50/14.50/12.00
Piping Connections	Liquid Pipe [Φ,mm]	6.35	9.52
	Gas Pipe [Φ,mm]	12.7	15.8
	Drain Pipe [Φ,mm]	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Sound	Sound Pressure [dB(A)]	41/38/35	42/39/36
External Dimension (Indoor Unit)	Net Weight [kg]	13.5	13.5
	Net Dimensions (WxHxD) [mm]	1200x138z450	1200x138z450
Panel Size	Panel Model	PC1BWFMAN	PC1BWFMAN
	Panel Net Weight [kg]	5.0	5.0
	Net Dimensions (WxHxD) [mm]	1410x35x500	1410x35x500



2 Way Cassette

Model Code		AM056FN2DEH	AM071NN1DEH/TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	5.6	7.1
	Cooling [Btu/hr]	19,100	24,200
Power Input	Cooling [kW]	70	75
Current Input	Cooling [A]	0.38	0.4
Fan	Type	Crossflow Fan	Crossflow Fan
	Output x n [W]	14	14
	Air Flow Rate [CMM]	14 / 13 / 12	15 / 14 / 13
Piping Connections	Liquid Pipe [Ø, mm]	6.35	9.52
	Gas Pipe [Ø, mm]	12.7	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	38 / 37 / 35	41 / 39 / 37
External Dimension (Outdoor Unit)	Net Weight [kg]	21.0	22.0
	Net Dimensions (WxHxD) [mm]	890 x 230 x 575	890 x 230 x 575
Panel Size	Panel Model	PC2NUSMEN	PC2NUSMEN
	Panel Net Weight [kg]	4	4
	Net Dimension (WxHxD) [mm]	1,030 x 25 x 650	1,030 x 25 x 650

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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



Slim Duct

Model Code		AM022KNLDEH	AM028KNLDEH	AM036KNLDEH
Power Supply (Outdoor 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]	2.2	2.8	3.6
	Cooling [Btu/hr]	7,500	9,600	12,300
Power Input	Cooling [kW]	30	34	40
Current Input	Cooling [A]	0.25	0.28	0.33
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	69 x 1	69 x 1	69 x 1
	Air Flow Rate [CMM]	6.00 / 4.90 / 3.80	7.05 / 5.15 / 4.35	8.20 / 6.50 / 4.90
	External Static Pressure (Max) [mmAq]	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0
Piping Connections	External Static Pressure (Max) [Pa]	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42
	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Gas Pipe [Ø, mm]	12.7	12.7	12.7
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	26 / 23 / 19	28 / 24 / 19	31 / 26 / 20
External Dimension (Outdoor Unit)	Net Weight [kg]	15.3	15.3	15.7
	Net Dimensions (WxHxD) [mm]	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440
Air Filter	Type	Long life filter	Long life filter	Long life filter

*AMXXXFNLDEH exclude drain pump



Slim Duct

Model Code		AM045KNLDEH	AM056KNLDEH	AM071KNLDEH
Power Supply (Outdoor 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]	4.5	5.6	7.1
	Cooling [Btu/hr]	15,400	19,100	24,200
Power Input	Cooling [kW]	90	95	120
Current Input	Cooling [A]	0.52	0.53	0.6
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	-	-	-
	Air Flow Rate [CMM]	11.00 / 9.60 / 8.30	12.00 / 10.50 / 9.00	16.50 / 15.00 / 13.50
	External Static Pressure (Max) [mmAq]	0.00 / 2.00 / 4.00	0.00 / 2.00 / 4.00	0.00 / 2.00 / 4.00
Piping Connections	External Static Pressure (Max) [Pa]	0.00 / 19.61 / 39.23	0.00 / 19.61 / 39.23	0.00 / 19.61 / 39.23
	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Gas Pipe [Ø, mm]	12.7	12.7	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	35 / 31 / 26	36 / 34 / 31	38 / 36 / 33
External Dimension (Outdoor Unit)	Net Weight [kg]	24.5	24.5	30.5
	Net Dimensions (WxHxD) [mm]	900 x 199 x 600	900 x 199 x 600	1,100 x 199 x 600
Air Filter	Type	Long life filter	Long life filter	Long life filter

* AMXXXFNLDEH exclude drain pump
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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB





Slim Duct

Model Code	AM090KNLDEH	AM112KNLDEH	AM128KNLDEH	AM140KNLDEH	
Power Supply (Outdoor 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 [kW]	9.0	11.2	12.8	
	Cooling [Btu/hr]	30,700	38,200	43,700	
Power Input	Cooling [kW]	170	170	200	
Current Input	Cooling [A]	0.96	0.96	1.28	
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	
	Output x n [W]	-	-	-	
	Air Flow Rate [CMM]	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 Static Pressure (Max) [mmAq]	0.00 / 3.00 / 6.00	0.00 / 3.00 / 6.00	0.00 / 3.00 / 6.00	0.00 / 3.00 / 6.00
	External Static Pressure (Max) [Pa]	0.00 / 29.42 / 58.84	0.00 / 29.42 / 58.84	0.00 / 29.42 / 58.84	0.00 / 29.42 / 58.84
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52	
	Gas Pipe [Ø, mm]	15.88	15.88	15.88	
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	37 / 36 / 34	37 / 36 / 34	37 / 36 / 34	39 / 38 / 36
External Dimension (Outdoor Unit)	Net Weight [kg]	40.5	40.5	42.0	42.0
	Net Dimensions (WxHxD) [mm]	1,300 x 295 x 690	1,300 x 295 x 690	1,300 x 295 x 690	1,300 x 295 x 690
Air Filter	Type	Long life filter	Long life filter	Long life filter	Long life filter

*AMXXXFNLDEH exclude drain pump



MSP Duct

Model Code	AM022KNMDEH	AM028KNMDEH	AM036KNMDEH	AM045KNMDEH	
Power Supply (Outdoor 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 [kW]	2.2	2.8	3.6	
	Cooling [Btu/hr]	7,500	9,600	12,300	
Power Input	Cooling [kW]	80	80	85	
Current Input	Cooling [A]	0.40	0.40	0.55	
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	
	Output x n [W]	69	69	112	219
	Air Flow Rate [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
	External Static Pressure (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
	External Static Pressure (Max) [Pa]	0.00 / 19.61 / 58.84	0.00 / 19.61 / 58.84	0.00 / 19.61 / 58.84	0.00 / 39.23 / 78.45
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35	
	Gas Pipe [Ø, mm]	12.7	12.7	12.7	
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	23 / 21 / 19	24 / 22 / 19	29 / 27 / 24	32 / 30 / 28
External Dimension (Outdoor Unit)	Net Weight [kg]	24.0	24.0	24.0	28.5
	Net Dimensions (WxHxD) [mm]	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	900 x 260 x 480
Air Filter	Type	Long life filter	Long life filter	Long life filter	Long life filter

* AMXXXFNMDEH exclude drain pump
 * Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



MSP Duct

Model Code	AM056KNMDEH	AM071KNMDEH	AM090KNMDEH	
Power Supply (Outdoor 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	7.1	
	Cooling [Btu/hr]	19,100	24,200	
Power Input	Cooling [kW]	130	190	
Current Input	Cooling [A]	1.10	1.25	
Fan	Type	Sirocco Fan	Sirocco Fan	
	Output x n [W]	124	124	
	Air Flow Rate [CMM]	14.50 / 13.00 / 11.50	18.50 / 17.00 / 15.50	19.50 / 18.00 / 16.50
	External Static Pressure (Max) [mmAq]	0.00 / 4.00 / 8.00	0.00 / 4.00 / 8.00	4.00 / 6.00 / 8.00
	External Static Pressure (Max) [Pa]	0.00 / 4.00 / 8.00	0.00 / 39.23 / 78.45	39.23 / 58.84 / 78.45
Piping Connections	Liquid Pipe [Ø, mm]	6.35	9.52	
	Gas Pipe [Ø, mm]	12.7	15.88	
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Sound	Sound Pressure [dB(A)]	35 / 33 / 31	39 / 35 / 31	40 / 37 / 34
External Dimension (Outdoor Unit)	Net Weight [kg]	28.5	28.5	
	Net Dimensions (WxHxD) [mm]	900 x 260 x 480	900 x 260 x 480	1,150 x 260 x 480
Air Filter	Type	Long life filter	Long life filter	

* AMXXXFNMDEH exclude drain pump



MSP Duct

Model Code	AM112KNMDEH	AM128KNMDEH	AM140KNMDEH	AM160KNMDEH1	
Power Supply (Outdoor 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 [kW]	11.2	12.8	14.0	
	Cooling [Btu/hr]	38,200	43,700	47,800	
Power Input	Cooling [kW]	260	370	410	
Current Input	Cooling [A]	1.17	1.67	1.86	
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	
	Output x n [W]	130	218	218	
	Air Flow Rate [CMM]	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 Static Pressure (Max) [mmAq]	4.00 / 8.00 / 12.00	4.00 / 8.00 / 14.00	4.00 / 8.00 / 14.00	4.00 / 8.00 / 14.00
	External Static Pressure (Max) [Pa]	39.23 / 78.45 / 117.68	39.23 / 78.45 / 137.29	39.23 / 78.45 / 137.29	39.23 / 78.45 / 137.29
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52	
	Gas Pipe [Ø, mm]	15.88	15.88	15.88	
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	
Sound	Sound Pressure [dB(A)]	41 / 40 / 38	41 / 40 / 38	42 / 39 / 36	43 / 40 / 36
External Dimension (Outdoor Unit)	Net Weight [kg]	36.0	48.5	48.5	
	Net Dimensions (WxHxD) [mm]	1,150 x 320 x 480	1,200 x 360 x 650	1,200 x 360 x 650	
Air Filter	Type	Long life filter	Long life filter	Long life filter	

* AMXXXFNMDEH exclude drain pump
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 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB





HSP Duct

Model Code	AM112FNHDEH	AM128FNHDEH	AM224JNHDKH/TK
Power Supply (Outdoor 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
Capacity	Cooling [kW]	11.2	12.8
	Cooling [Btu/hr]	38,200	43,700
Power Input	Cooling [kW]	510	560
Current Input	Cooling [A]	3.6	3.75
Fan	Type	Sirocco Fan	Sirocco Fan
	Output x n [W]	-	-
	Air Flow Rate [CMM]	32 / 27 / 23	35 / 31 / 26
	External Static Pressure (Max) [mmAq]	5.0 / 10.0 / 20.0	5.0 / 10.0 / 20.0
	External Static Pressure (Max) [Pa]	49.0 / 98.1 / 196.1	49.0 / 98.1 / 196.1
	Liquid Pipe [Ø, mm]	9.52	9.52
Piping Connections	Gas Pipe [Ø, mm]	15.88	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure [dB(A)]	43 / 41 / 39	45 / 43 / 42
External Dimension (Outdoor Unit)	Net Weight [kg]	62.0	62.0
	Net Dimensions (WxHxD) [mm]	1,200 x 360 x 650	1,200 x 360 x 650
Air Filter	Type	Long life filter	Long life filter

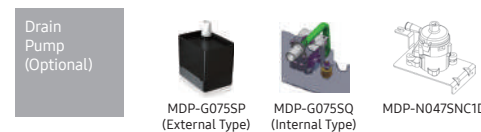
*AMXXFNHDEH exclude drain pump



HSP Duct

Model Code	AM180JNHDKH/TK	AM180JNHDKH/TK
Power Supply (Indoor Unit) Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling [kW]	18.0
	Cooling [Btu/h]	61400
Power Input (Nominal)	Cooling [kW]	340
Current Input (Nominal)	Cooling [kW]	1.9
Fan	Type	Sirocco Fan
	Motor (Output) [W]	630 x 1
	Air Flow Rate [CMM]	58.00/50.00/43.00
	External Static Pressure [mmAq]	5.0/7.34/20
	External Static Pressure [Min/Std/Max] [Pa]	50/72/200
Piping Connections	Liquid Pipe [Φ,mm]	9.52
	Gas Pipe [Φ,mm]	19.05
	Drain Pipe [dB(A)]	VOP25 (od25, ID20)
Sound	Sound Pressure [dB(A)]	43 / - / -
External Dimension (Indoor Unit)	Net Weight (kg)	82.5
	Net Dimensions (WxHxD) [mm]	1350x910x450
Additional Accessories	Drain Pump	MDP-G075SQ

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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



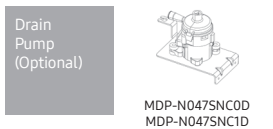
O.A.P

Model Code	AM140JNEPEH	AM220JNEPEH	AM280JNEPEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP	HP
Capacity	Cooling [kW]	14.0	22.4
	Cooling [Btu/hr]	47,800	76,400
Power Input	Cooling [kW]	220	300
Current Input	Cooling [A]	1.6	2.2
Fan	Type	Sirocco Fan	Sirocco Fan
	Output x n [W]	183	400
	Air Flow Rate [CMM]	18	28
	External Static Pressure (Max) [mmAq]	5.0 / 20.39 / 25.0	10.0 / 23.45 / 25.0
	External Static Pressure (Max) [Pa]	49.0 / 199.82 / 245.0	98.0 / 229.81 / 245.0
	Liquid Pipe [Ø, mm]	9.52	9.52
Piping Connections	Gas Pipe [Ø, mm]	15.88	19.05
	Gas Pipe [Ø, inch]	5/8	3/4
Refrigerant			
Sound	Sound Pressure [dB(A)]	42	46
External Dimension (Outdoor Unit)	Net Weight [kg]	51.0	85.0
	Net Dimensions (WxHxD) [mm]	1,110 x 390 x 650	1,240 x 470 x 1,040
Air Filter	Type	-	-

Wall Mounted (AR5000)

Model Code	AM015JNVDKH	AM022JNVDKH	AM028JNVDKH
Power Supply (Outdoor 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
Capacity	Cooling [kW]	1.5	2.2
	Cooling [Btu/hr]	5,100	7,500
Power Input	Cooling [kW]	14	15
Current Input	Cooling [A]	0.12	0.13
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor	27	27
	Air Flow Rate [CMM]	4.4 / 4.2 / 3.8	5.4 / 4.7 / 4.0
	Liquid Pipe [Ø, mm]	6.35	6.35
Piping Connections	Liquid Pipe [Ø, inch]	1/4	1/4
	Gas Pipe [Ø, mm]	12.7	12.7
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose
Refrigerant	Control Method	EEV Included	EEV Included
Sound	Sound Pressure [dB(A)]	28 / 25 / 24	33 / 29 / 25
External Dimension (Outdoor Unit)	Net Weight [kg]	7.9	7.9
	Net Dimensions (WxHxD) [mm]	750 x 249 x 246	750 x 249 x 246
Accessories	Virus Doctor	Included	Included

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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB





Wall Mounted (AR5000)

Model Code		AM036JNVDKH	AM045JNVDKH	AM056JNVDKH
Power Supply (Outdoor 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]	3.6	4.5	5.6
	Cooling [Btu/hr]	12,300	15,400	19,100
Power Input	Cooling [kW]	20	31	27
Current Input	Cooling [A]	0.15	0.24	0.21
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor	27	27	27
	Air Flow Rate [CMM]	7.1 / 5.7 / 4.6	8.9 / 7.5 / 6.0	11.8 / 10.0 / 8.2
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Liquid Pipe [Ø, inch]	1/4	1/4	1/4
	Gas Pipe [Ø, mm]	12.7	12.7	12.7
Refrigerant	Control Method	EEV Included	EEV Included	EEV Included
	Control Method	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure [dB(A)]	37 / 34 / 30	41 / 38 / 34	39 / 36 / 33
External Dimension (Outdoor Unit)	Net Weight [kg]	9.6	9.6	14.5
	Net Dimensions (WxHxD) [mm]	826 x 261 x 261	826 x 261 x 261	1,065 x 301 x 294
Accessories	Virus Doctor	Included	Included	Included



Wall Mounted (AR5000)

Model Code		AM071JNVDKH	AM082JNVDKH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	7.1	8.2
	Cooling [Btu/hr]	24,200	28,000
Power Input	Cooling [kW]	41	55
Current Input	Cooling [A]	0.31	0.42
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor	27	27
	Air Flow Rate [CMM]	14.8 / 12.4 / 10.0	16.7 / 14.3 / 12.4
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose
Refrigerant	Control Method	EEV Included	EEV Included
Sound	Sound Pressure [dB(A)]	44 / 41 / 36	47 / 43 / 40
External Dimension (Outdoor Unit)	Net Weight [kg]	14.5	14.5
	Net Dimensions (WxHxD) [mm]	1,065 x 301 x 294	1,065 x 301 x 294
Accessories	Virus Doctor	Included	Included

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 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



Console

Model Code		AM036FNJDEH	AM056FNJDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	3.6	5.6
	Cooling [Btu/hr]	12,300	19,100
Power Input	Cooling [kW]	35	62
Current Input	Cooling [A]	0.29	0.49
Fan	Type	Turbo Fan	Turbo Fan
	Motor	37	37
	Air Flow Rate [CMM]	8.50 / 7.50 / 6.50	13.00 / 11.50 / 10.00
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35
	Gas Pipe [Ø, mm]	12.7	12.7
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose
Refrigerant	Control Method	EEV Included	EEV Included
Sound	Sound Pressure [dB(A)]	39 / 37 / 34	43 / 40 / 37
External Dimension (Outdoor Unit)	Net Weight [kg]	16.0	16.0
	Net Dimensions (WxHxD) [mm]	720 x 620 x 199	720 x 620 x 199
Accessories	Virus Doctor	Long life filter	Long life filter



Ceiling/Console

Model Code		AM056FNCDEH	AM071FNCDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	5.6	7.1
	Cooling [Btu/hr]	19,100	24,200
Power Input	Cooling [kW]	72	80
Current Input	Cooling [A]	0.33	0.35
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor	60	120
	Air Flow Rate [CMM]	14.00 / 13.00 / 12.00	18.00 / 16.50 / 15.00
Piping Connections	Liquid Pipe [Ø, mm]	6.35	9.52
	Gas Pipe [Ø, mm]	12.7	15.88
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose
Refrigerant	Control Method	EEV not Included	EEV not Included
Sound	Sound Pressure [dB(A)]	40 / 37 / 34	44 / 42 / 40
External Dimension (Outdoor Unit)	Net Weight [kg]	21.0	21.0
	Net Dimensions (WxHxD) [mm]	1,000 x 650 x 200	1,000 x 650 x 200

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 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB





PAC

Model Code	AM140JNPDKH	AM280JNPDKH/
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50
System Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	14
	Cooling [Btu/hr]	47,800
	Heating [Btu/hr]	54,600
Power Input	Cooling [kW]	190
Current Input	Cooling [A]	0.9
Fan	Type	Sirocco Fan
	Motor	154
	Air Flow Rate [CMM]	35.00 / 30.50 / 27.50
Piping Connections	Liquid Pipe [Ø, mm]	9.52
	Gas Pipe [Ø, mm]	15.88
	Drain Pipe [Ø, mm]	ID18 Hose
Refrigerant	Control Method	EEV Included
Sound	Sound Pressure [dB(A)]	54 / 47
External Dimension (Outdoor Unit)	Net Weight [kg]	48.0
	Net Dimensions (WxHxD) [mm]	650 x 1,850 x 400



HYDRO UNIT HE

Model Code	AM160FNBDEH	AM320FNBDEH	AM500FNBDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	3, 4, 380-415, 50	1,2,220-240,50
Capacity	Cooling [kW]	14	28
	Cooling [Btu/hr]	47,800	95,600
	Heating [kW]	16.0	31.5
	Heating [Btu/hr]	54,600	107,500
Power Input (Nominal)	Cooling [kW]	10	10
	Heating [kW]	10	10
Current Input (Nominal)	Cooling [A]	0.05	0.05
	Heating [A]	0.05	0.05
Heat Exchanger	Type	PHE	PHE
	Quantity [Ea]	2	2
	Pipe Size [Ø, inch]	PT1 (25A)	PT1 (25A)
	Water Flow Rate [LPM]	48	92
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88
	Flow Switch [LPM]	20	30
Sound	Sound Pressure [dB(A)]	27	28
	Net Weight [kg]	29.0	33.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	518 x 627 x 330	518 x 627 x 330
	Ambient Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0
Operating Range	Ambient Heating [°C]	-20 ~ 35	-20 ~ 35
	Ambient Hot Water (Main Cooling, HR) [°C]	-20 ~ 35 (43)	-20 ~ 35 (43)
	Leaving Water Cooling [°C]	5.0 ~ 30.0	5.0 ~ 30.0
	Leaving Water Heating [°C]	20 ~ 50	20 ~ 50

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1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19o C WB / Outdoor temperature : 35° C DB

2) Nominal heating capacities are based on: Indoor temperature : 20° C DB, 15o C WB / Outdoor temperature : 7° C DB, 6° C WB

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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



HYDRO UNIT HT

Model Code	AM160FNBFB	AM160FNBFBG	AM250FNBFB	AM250FNBFBG	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	3, 4, 380-415, 50	1,2,220-240,50	3, 4, 380-415, 50	
Capacity	Cooling [kW]	-	-	-	
	Cooling [Btu/hr]	-	-	-	
	Heating [kW]	16.0	16.0	25.0	25.0
	Heating [Btu/hr]	54,600	54,600	85,300	85,300
Power Input (Nominal)	Cooling [kW]	-	-	-	
	Heating [kW]	3,100	3,100	5,000	5,000
Current Input (Nominal)	Cooling [A]	-	-	-	
	Heating [A]	14.3	4.85	23.1	7.58
Compressor	Type	Rotary	Rotary	Rotary	Rotary
	Output [kW x n]	-	-	-	-
	Model Name	UX5T250FNBEX	UX5T250FNBEX	UX5T250FNBEX	UX5T250FNBEX
	Oil Type	POE	POE	POE	POE
	Oil Initial Charge [cc]	1,700	1,700	1,700	1,700
Heat Exchanger	Type	PHE	PHE	PHE	PHE
	Quantity [Ea]	2	2	2	2
	Pipe Size [Ø, inch]	PT1 (25A)	PT1 (25A)	PT1 (25A)	PT1 (25A)
	Water Flow Rate [LPM]	23	23	36	36
	Flow Switch [LPM]	12	12	12	12
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88	15.88
Sound	Sound Pressure [dB(A)]	42	42	42	42
External Dimension (Outdoor Unit)	Net Weight [kg]	104.0	104.0	104.0	104.0
	Net Dimensions (WxHxD) [mm]	518 x 1,210 x 330	518 x 1,210 x 330	518 x 1,210 x 330	518 x 1,210 x 330
Operating Range	Ambient Cooling [°C]	-	-	-	-
	Ambient Heating [°C]	-20 ~ 35	-20 ~ 35	-20 ~ 35	-20 ~ 35
	Ambient Hot Water (Main Cooling, HR) [°C]	-20 ~ 35 (43)	-20 ~ 35 (43)	-20 ~ 35 (43)	-20 ~ 35 (43)
	Leaving Water Cooling [°C]	-	-	-	-
	Leaving Water Heating [°C]	25 ~ 80	25 ~ 80	25 ~ 80	25 ~ 80

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1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB

2) Nominal heating capacities are based on: Indoor temperature : 20° C DB, 15° C WB / Outdoor temperature : 7° C DB, 6° C WB



Individual
Controllers
(Optional)



MWR-WW00N

ERV Plus



Model Code	AM050FNKDEH	
Features	Type	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	ERV Plus	
Temperature Exchange Efficiency	1,2,220-240,50	
Effective Enthalpy Exchange Efficiency	Cooling [Turbo]	70
	Cooling [High]	70
	Cooling [Low]	74
Outside Air Processing Capacity	Cooling [Turbo]	60
	Cooling [High]	60
	Cooling [Low]	66
Fan	Cooling 1 (DX Coil / Element) [kW]	5.1 (3.6 / 1.5)
	Cooling 2 (DX Coil / Element) [kW]	6.5 (4.0 / 2.5)
Power Input	Air Flow Rate (High / Mid / Low) [CMH]	500 / 500 / 360
	External Static Pressure (Turbo / High / Low) [mmAq]	16.3 / 10.2 / 8.7
	External Static Pressure (Turbo / High / Low) [Pa]	160 / 100 / 85
	Motor Type	BLDC
	Motor Output [W]	180
Current Input	Motor Number of Unit [Ea]	2
	Turbo [W]	220
	High [W]	140
Option Code	Low [W]	90
	Turbo [A]	1.7
	High [A]	1.0
Piping Connections	Low [A]	0.6
	Liquid Pipe [Ø, mm]	15617152380
	Gas Pipe [Ø, mm]	6.35
	Drain Pipe [Ø, mm]	12.7
Refrigerant	Water Supply [Ø, mm]	VP25 (OD32, ID25)
	Type	12.7
Sound	Control Method	R410A
	Sound Level (Turbo / High / Low) [dBA]	EEV
External Dimension (Outdoor Unit)	Net Weight [kg]	36 / 32 / 28
	Net Dimensions (WxHxD) [mm]	61.0
	Supply / Return / Exhaust / Outside Air Duct Flange [Ø, mm]	1,553 x 270 x 1,000
Accessory	Air Filter	200
	Type	High Efficiency Filter(PP)
Optional Accessory	Qty [Ea]	Natural Evaporating Type
	Amount [kg/h]	1
	Pressure Feed Water [Mpa]	2.7
	S-Plasma Ion Kit	0.02~0.49
	CO ₂ Sensor	MSD-EAN1
	Humidity Sensor	MOS-C1
Ambient Condition	Around Unit	Option
	OA	0~40°C DB, 80%RH or less
	RA	-15~40°C DB, 80%RH or less
		0~40°C DB, 80%RH or less

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* Nominal cooling capacities are based on; Indoor temperature : 27° C DB, 19° C WB / Outdoor temperature : 35° C DB

Individual
Controllers
(Optional)



MWR-WE10N



MWR-VH2N
(ERV)

Optional
Items
(Optional)



MVO-VA050100
MVO-VA100100
(Humidifier)



MOS-C1
(ERV CO2 Sensor)



ERV Plus

Model Code	AM100FNKDEH	
Features	Type	ERV Plus
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Temperature Exchange Efficiency	Cooling [Turbo]	70
	Cooling [High]	70
	Cooling [Low]	74
Effective	Cooling [Turbo]	62
	Cooling [High]	62
	Cooling [Low]	
Outside Air Processing Capacity	Cooling 1 (DX Coil / Element) [kW]	10.5 (7.1 / 3.4)
	Cooling 2 (DX Coil / Element) [kW]	13.2 (8.0 / 5.2)
Fan	Air Flow Rate (High / Mid / Low) [CMH]	1000 / 1000 / 690
	External Static Pressure (Turbo / High / Low) [mmAq]	15.3 / 9.2 / 7.6
	External Static Pressure (Turbo / High / Low) [Pa]	150 / 90 / 75
	Motor Type	BLDC
	Motor Output [W]	70
	Motor Number of Unit [Ea]	2
Power Input	Turbo [W]	510
	High [W]	350
	Low [W]	235
Current Input	Turbo [A]	3.7
	High [A]	2.4
	Low [A]	1.6
Option Code		0156171C2373
Piping Connections	Liquid Pipe [Ø, mm]	6.35
	Gas Pipe [Ø, mm]	12.7
	Drain Pipe [Ø, mm]	VP25 (OD32, ID25)
	Water Supply [Ø, mm]	12.7
Refrigerant	Type	R410A
	Control Method	EEV Included
Sound	Sound Level (Turbo / High / Low) [dBA]	36 / 33 / 31
	Net Weight [kg]	90.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	1,763 x 340 x 1,135
	Supply / Return / Exhaust / Outside Air Duct Flange [Ø, mm]	250
Accessory	Air Filter	High Efficiency Filter(PP)
	Type	Natural Evaporating Type
Optional Accessory	Qty [Ea]	1
	Amount [kg/h]	5.4
	Pressure Feed Water [Mpa]	0.02~0.49
	S-Plasma Ion Kit	MSD-EAN1
	CO ₂ Sensor	MOS-C1
Ambient Condition	Humidity Sensor	Option
	Around Unit	0~40°C DB, 80%RH or less
	OA	-15~40°C DB, 80%RH or less
	RA	0~40°C DB, 80%RH or less

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 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB






CAC



INDOOR UNITS



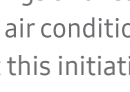
Cassette

Model				
		360 Cassette	4 Way Inverter	4 Way On Off
Capacity (kW)	5.6			
	7.1		•	•
	9.0		•	•
	11.2	•	•	•
	12	•	•	•
	14	•	•	•

Duct

Model			
		Duct S Inverter	Duct S On Off
(kW)	4.5	•	
	5.6	•	•
	7.1	•	•
	9.0	•	•
	11.2	•	•
	12	•	•
	14	•	•
	16	•	•

Floor Standing

Model		
		Floor Standing Inverter
Capacity (kW)	11.2	•
	14	•

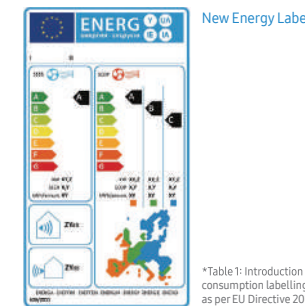
Overview

Samsung's single split unit is smart choice for conserving both running costs and energy consumption. This economical outdoor unit employs advanced technologies to minimize waste and improve efficiency. By adopting smart inverter technology, Samsung Ceiling Air Conditioner (CAC) Single not only offers silent operation but also provides outstanding cooling and heating performance. provides outstanding cooling and heating performance.



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

- **World-class energy efficiency.** Decrease energy consumption by up to 50 percent with a digital inverter system featuring an economical mode.
- **Superior performance.** Weather severe temperatures dependably and maximize comfort with wide temperature allowance.

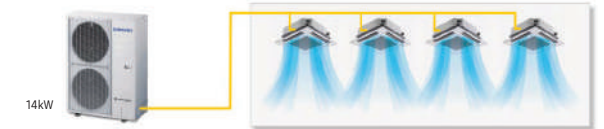


*Table 1: Introduction of revised energy consumption labelling for air conditioners as per EU Directive 2011/626/EU

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

Featuring a suite of energy-optimizing technologies, Samsung CAC Single 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.

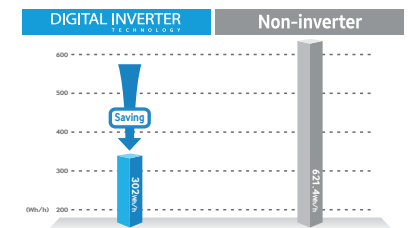
MQuick, efficient heating and cooling



Smart inverter technology offers powerful, quick cooling and heating with minimal electricity consumption, which means real cost savings and less energy waste. The EU has established new regulations to drastically cut the power consumption of air conditioners. Inefficient units will be gradually withdrawn from market starting in 2013. To further support this initiative, the EU is introducing an improved energy labelling system to provide consumers a better idea of how much electricity their units consume.

Up to 50 percent less energy use

After reaching the set temperature, the digital inverter air conditioner changes its operation mode to economical. By avoiding inefficient and frequent switching on and off of the compressor, the digital inverter saves up to 50 percent in energy consumption compared to non-inverter air conditioners.



Multi-unit operation

Outdoor Unit Capacity	2 Rooms	3 Rooms	4 Rooms
7.1kW	3.5 + 3.5		
10kW	5.2 + 5.2		
12.5kW	6.0 + 6.0	5.2 + 5.2	
14kW	7.1 + 7.1	5.2 + 5.2 + 5.2	3.5 + 3.5 + 3.5 + 3.5

*4 Way & Mini4 Way CST is available.

Instead of connecting just one indoor unit, users can connect two, three or four indoor units with a single outdoor unit for more efficient cooling and heating. The indoor units operate and are controlled simultaneously as one cycle within the same mode via one remote controller for up to four rooms. This system is ideal for spaces requiring multiple indoor units, such as open-plan offices or shops.

CAC

SPECIFICATION

CAC

SPECIFICATION



360 CASSETTE R410A (NASA)

Model Code	Indoor	AC024KN4DKH/TC	AC036KN4DKH/TC	AC048KN4DKH/TC
	Outdoor	AC024KXADKH/TC	AC036KXADKH/TC	AC048KXADKH/TC
Capacity	Cooling [kW]	2.20 / 7.03 / 8.00	2.99 / 10.55 / 11.99	3.49 / 14.07 / 15.50
	Cooling [Btu/h]	7,500 / 24,000 / 27,300	10,230 / 36,000 / 40,940	11,940 / 48,000 / 52,880
Power Input	Cooling (Min / Std / Max) [kW]	0.35 / 2.52 / 3.95	0.60 / 3.67 / 4.70	0.80 / 5.00 / 6.44
Current Input	Cooling (Min / Std / Max) [kW]	2.00 / 11.20 / 17.00	3.00 / 16.20 / 20.40	3.70 / 21.70 / 28.00
Power	MCA [A]	21.50	24.50	33.50
	MFA [A]	23.65	26.95	36.85
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.79	2.87	2.81
	Liquid Pipe [Ø, mm]	6.35	9.52	9.52
Piping Connections	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Installation Max. Length [m]	50	50	75
	Installation Max. Height [m]	30	30	30
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	1.5	3.0	3.5
Power Supply (Indoor Unit) [Φ, #, V, Hz]	Type	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
	Type	Turbo Fan	Turbo Fan	Turbo Fan
Fan	Motor Output [W]	65	97	97
	Air Flow Rate (High / Mid / Low) [CMM]	17.50 / 15.90 / 14.30	31.20 / 25.50 / 19.80	32.40 / 27.10 / 22.80
Drain	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36.0 / 33.0 / 29.0	44.0 / 39.0 / 33.0	45.0 / 41.0 / 37.0
External Dimension (Indoor Unit)	Net Weight [kg]	21	24	26
	Net Dimensions (WxHxD) [mm]	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947
Panel Size	Panel model	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Panel Net Weight [kg]	3.6	3.6	3.6
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	Net Dimensions (WxHxD) [mm]	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000
	Type	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG4T200FUAE4	UG8T300FUBJU	UG5T450FUEJX
	Output [kW]	1.78	2.82	4.12
Fan	Oil Type	POE	PVE	PVE
	Air Flow Rate (Cooling) [CMM]	58.5	78	111
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	49.0 / 51.0	52.0 / 54.0	53.0 / 54.0
External Dimension (Outdoor Unit)	Net Weight [kg]	50.5	72.0	90
	Net Dimensions (WxHxD) [mm]	880 x 798 x 310	940 x 998 x 330	940 x 1,210 x 330
Operating	Cooling [°C]	-15~50	-15~50	-15~50

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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB





CAC WINDFREE CASSETTE

Model Name	Indoor Unit	AC052NN4DEH/AF	AC071NN4DEH/AF	AC090NN4DEH/AF
	Outdoor Unit	AC052JX4DEH/AF	AC071JX4DEH/AF	AC090JX4DEH/AF
Capacity	Cooling [Btu/h]	5,000/17,000/18,000	7,100/24,500/26,500	10,000/30,000/34,000
Power Input (Nominal)	Cooling [kW]	0.35/1.6/1.7	0.38/2.6/3	0.87/2.8/4.5
Current Input (Nominal)	Cooling [A]	2.20/7.20/8	2.30/11/13	4.7/12.5/20
Power	MCA [A]	10.8	20.8	23.7
	MFA [A]	12.5	25	27.5
Energy Efficiency	EER (Nominal Cooling)	3.11	9.42	10.7
Piping Connections	Liquid Pipe [Φ, mm]	6.35	6.35	9.52
	Gas Pipe [Φ, mm]	12.7	15.8	15.8
	Instalation Max. Length [m]	30	30	50
	Instalation Max. Height [m]	15	15	30
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging	1.10 kg	1.3 kg	2.5 kg
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220 - 240,50	1,2,220 - 240,50	1,2,220 - 240,50
Fan	Type	Turbo	Turbo	Turbo
	Motor Output [W]	65	65	97
	Air Flow Rate (High/Mid/Low) [CMM]	18/15/13	21/18/16	29/24/19
Drain	Drain Pipe [Φ, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High/Med/Low) [dB(A)]	37/34/31	43/40/37	42/38/33
External Dimension (Indoor Unit)	Net Weight [kg]	14.5	15	18.5
	Net Dimensions (WxHxD) [mm]	840x204x840	840x204x840	840x288x840
Panel Size	Panel model	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight (kg)	5.8 Kg	6.3 Kg	6.3 Kg
	Net Dimensions (WxHxD) [mm]	950x45x950	950x45x950	950x64x950
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC	Twin BLDC
	Model	UG4T150LNBEQ	UG4T200FUAE4	UG8T300LNBJU
	Output [kW]	1.42	1.78	2.81
	Oil [Type]	POE	POE	PVE
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	40	41	60
Sound (Outdoor Unit)	Sound Pressure (Cooling/Heating) [dB(A)]	47/48	49/51	45/56
External Dimension (Outdoor Unit)	Net Weight [kg]	36	45	67
	Net Dimensions (WxHxD) [mm]	790x548x285	880x638x310	880x967x320
Operating Temp. Range	Cooling [°C]	-5~48	-5~48	-5~48

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CAC WINDFREE CASSETTE

Model Name	Indoor Unit	AC100NN4DEH/AF	AC120NN4DEH/AF	AC140NN4DEH/AF
	Outdoor Unit	AC100JX4DEH/AF	AC120JX4DGH/AF	AC140JX4DEH/AF
Capacity	Cooling [Btu/h]	11,000/35,000/37,000	10,000/42,000/42,500	10,900/48,000/48,500
Power Input (Nominal)	Cooling [kW]	0.7/3.6/4.8	1.03/4.32/5	1.3/5.35/6
Current Input (Nominal)	Cooling [A]	4/16/21	2.10/6.80/9	3/8.5/9.5
Power	MCA [A]	23.7	13.7	13.7
	MFA [A]	27.5	15.1	15.1
Energy Efficiency	EER (Nominal Cooling)	9.72	9.72	8.97
Piping Connections	Liquid Pipe [Φ, mm]	9.52	9.52	9.52
	Gas Pipe [Φ, mm]	15.8	15.8	15.8
	Instalation Max. Length [m]	50	50	50
	Instalation Max. Height [m]	30	30	30
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging	2.5 kg	2.2 kg	2.2 kg
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220 - 240,50	1,2,220 - 240,50	1,2,220 - 240,50
Fan	Type	Turbo	Turbo	Turbo
	Motor Output [W]	97	97	97
	Air Flow Rate (High/Mid/Low) [CMM]	33/26/19	31/24/19	32/24/20
Drain	Drain Pipe [Φ, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High/Med/Low) [dB(A)]	43/38/33	44/40/36	45/41/36
External Dimension (Indoor Unit)	Net Weight [kg]	18.5	18.5	18.5
	Net Dimensions (WxHxD) [mm]	840x288x840	840x288x840	840x288x840
Panel Size	Panel model	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight (kg)	6.3 Kg	6.3 Kg	6.3 Kg
	Net Dimensions (WxHxD) [mm]	950x64x950	950x64x950	950x64x950
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220-240,50	3,4,380-415,50	3,4,380-415,50
Compressor	Type	Twin BLDC	Twin BLDC	Twin BLDC
	Model	UG8T300LNBJU	UG5T450FUFJX	UG5T450FUFJX
	Output [kW]	2.81	4.12	4.12
	Oil [Type]	PVE	PVE	PVE
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	60	70	70
Sound (Outdoor Unit)	Sound Pressure (Cooling/Heating) [dB(A)]	55/57	55/57	57/59
External Dimension (Outdoor Unit)	Net Weight [kg]	67	89	89
	Net Dimensions (WxHxD) [mm]	880x967x320	932x1162x375	932x1162x375
Operating Temp. Range	Cooling [°C]	-5~48	-5~48	-5~48



CASSETTE ON OFF

Model Name	Indoor Unit	AC052NN4SEC/EA	AC071NN4SEC/EA	AC090NN4SEC/EA
	Outdoor Unit	AC052NX4SEC/EA	AC071NX4SEC/EA	AC090NX4SEC/EA
Capacity	Cooling [kW]	5.3	6.5	8.2
Power Input (Nominal)	Cooling [kW]	1.68	2.03	2.41
Current Input (Nominal)	Cooling [A]	8.0	8.9	10.4
Power	MCA [A]	15.2	18.3	21.1
	MFA [A]	17.8	21.6	25.1
Energy Efficiency	EER (Nominal Cooling)	3.15	3.2	3.4
Piping Connections	Liquid Pipe [Φ, mm]	6.35	6.35	9.52
	Gas Pipe [Φ, mm]	12.7	15.8	15.8
	Installation Max. Length [m]	30	30	50
	Installation Max. Height [m]	15	15	30
Refrigerant	Type	R410A	R410A	R410A
	Control Method	Capillary tube	Capillary tube	Capillary tube
	Factory Charging (kg)	1.3	2.0	2.5
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo	Turbo	Turbo
	Motor Output [W]	65	65	97
	Air Flow Rate (High/Mid/Low) [CMM]	18.5/16.5/14.5	23/21/19	30/28/26
Drain	Drain Pipe [Φ, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High/Med/Low) [dB(A)]	45/43/41	46/44/42	43/41/39
External Dimension (Indoor Unit)	Net Weight [kg]	15	15	18
	Net Dimensions (WxHxD) [mm]	840x204x840 mm	840x204x840 mm	840x288x840 mm
Panel Size	Panel model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight (kg)	5.8	5.8	5.8
	Net Dimensions (WxHxD) [mm]	950x45x950 mm	950x45x950 mm	950x45x950 mm
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	Rotary	Rotary	Rotary
	Model	UG8CH8180DEH	UG5CH8215DEM	ASQ300S1SMV
	Output [kW]	1.76 kW	2.02 kW	2.42 kW
	Oil [Type]	POE	POE	POE
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	49.8	52.5	58
Sound (Outdoor Unit)	Sound Pressure (Cooling/Heating) [dB(A)]	52	52	55
External Dimension (Outdoor Unit)	Net Weight [kg]	45	58	66
	Net Dimensions (WxHxD) [mm]	880x638x310	880x793x310	880x931x320
Operating Temp. Range	Cooling [°C]	21 ~ 54°C	21 ~ 54°C	21 ~ 54°C

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CASSETTE ON OFF

Model Name	Indoor Unit	AC100NN4SEC/EA	AC120NN4SEC/EA	AC140NN4SEC/EA
	Outdoor Unit	AC100NX4SGC/EA	AC120NX4SGC/EA	AC140NX4SGC/EA
Capacity	Cooling [kW]	11.1	12.1	14
Power Input (Nominal)	Cooling [kW]	3.68	4.03	5
Current Input (Nominal)	Cooling [A]	6.6	7	8.9
Power	MCA [A]	10.8	11.7	14.6
	MFA [A]	12.3	13.4	17
Energy Efficiency	EER (Nominal Cooling)	3.02	3	2.8
Piping Connections	Liquid Pipe [Φ, mm]	9.52	9.52	9.52
	Gas Pipe [Φ, mm]	15.8	15.8	15.8
	Installation Max. Length [m]	50	50	50
	Installation Max. Height [m]	30	30	30
Refrigerant	Type	R410A	R410A	R410A
	Control Method	Capillary tube	Capillary tube	Capillary tube
	Factory Charging (kg)	2.6	2.7	2.7
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo	Turbo	Turbo
	Motor Output [W]	97	97	97
	Air Flow Rate (High/Mid/Low) [CMM]	31.5/29/26.5	31.5/29/26.5	33.5/30/26.5
Drain	Drain Pipe [Φ, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High/Med/Low) [dB(A)]	44/42/40	45/43/41	46/44/42
External Dimension (Indoor Unit)	Net Weight [kg]	18	18	18
	Net Dimensions (WxHxD) [mm]	840x288x840 mm	840x288x840 mm	840x288x840 mm
Panel Size	Panel model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight (kg)	5.8	5.8	5.8
	Net Dimensions (WxHxD) [mm]	950x45x950 mm	950x45x950 mm	950x45x950 mm
Power Supply (Indoor Unit) Φ, #, V, Hz		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Compressor	Type	Rotary	Rotary	Rotary
	Model	UG3AK5415BH2	UG3T450BUAHY	UG3T530BUAHY
	Output [kW]	3.88 kW	4.38 kW	5.19 kW
	Oil [Type]	POE	POE	POE
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	105	105	105
Sound (Outdoor Unit)	Sound Pressure (Cooling/Heating) [dB(A)]	54	54	54
External Dimension (Outdoor Unit)	Net Weight [kg]	93	98	98
	Net Dimensions (WxHxD) [mm]	932x1162x375	932x1162x375	932x1162x375
Operating Temp. Range	Cooling [°C]	21 ~ 54°C	21 ~ 54°C	21 ~ 54°C

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DUCT S R410A (NASA)

Model Code	Indoor	AC035JNMDEH/AF	AC052JNMDEH/AF	AC071JNMDEH/AF
	Outdoor	AC035JXMDEH/AF	AC052JXMDEH/AF	AC071JXMDEH/AF
Capacity	Cooling [kW]	1.00 / 3.52 / 4.10	1.47 / 4.98 / 5.28	1.85 / 7.18 / 7.62
	Cooling [Btu/h]	3,350 / 12,000 / 14,000	5,000 / 17,000 / 18,000	6,300 / 24,500 / 26,000
Power Input	Cooling (Min / Std / Max) [kW]	0.33 / 1.15 / 1.35	0.35 / 1.60 / 1.70	0.47 / 2.50 / 3.23
Current Input	Cooling (Min / Std / Max) [kW]	2.10 / 5.30 / 6.20	2.20 / 7.30 / 8.00	2.80 / 11.60 / 14.10
	MCA [A]	10.00	12.70	22.70
Power	MFA [A]	11.00	13.97	25.00
	Energy Efficiency	EER (Nominal Cooling) [W/W]	3.06	3.11
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Gas Pipe [Ø, mm]	9.52	12.7	15.88
	Installation Max. Length [m]	20	30	30
	Installation Max. Height [m]	15	15	15
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	0.9	1	1.3
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)
	Motor Output [W]	153	153	153
	Air Flow Rate (High / Mid / Low) [CMM]	9.20 / 7.40 / 5.80	18.70 / 16.50 / 14.00	23.00 / 20.00 / 17.00
	External Static Pressure [mmAq]	0.00 / 2.50 / 4.00	0.00 / 3.00 / 15.00	0.00 / 3.00 / 15.00
	External Static Pressure [Pa]	0.00 / 24.52 / 39.23	0.00 / 29.42 / 147.10	0.00 / 29.42 / 147.10
Drain	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	32.0 / 29.0 / 26.0	33.0 / 30.0 / 27.0	36.0 / 32.0 / 28.0
External Dimension (Indoor Unit)	Net Weight [kg]	20.0	25.2	25.2
	Net Dimensions (WxHxD) [mm]	700 x 199 x 600	850 x 250 x 700	850 x 250 x 700
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	BLDC Rotary	BLDC Rotary	BLDC Rotary
	Model	UG9A090FUAER	UG4T150LNBEQ	UG4T200FUAE4
	Output [kW]	2.77	4.45	5.92
	Oil Type	POE	POE	POE
Fan	Air Flow Rate (Cooling) [CMM]	37	40	41
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 48.0	47.0 / 48.0	49.0 / 51.0
External Dimension (Outdoor Unit)	Net Weight [kg]	29.5	36	45
	Net Dimensions (WxHxD) [mm]	720 x 548 x 265	790 x 548 x 285	880 x 638 x 310
Operating Temp. Range	Cooling [°C]	-5~48	-5~48	-5~48

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DUCT S R410A (NASA)

Model Code	Indoor	AC090JNMDEH/AF	AC100JNMDEH/AF	AC120JNMDEH/AF
	Outdoor	AC090JXMDEH/AF	AC100JXMDEH/AF	AC120JXMDGH/AF
Capacity	Cooling [kW]	2.93 / 8.79 / 9.96	3.02 / 10.26 / 10.57	2.93 / 12.31 / 12.46
	Cooling [Btu/h]	10,000 / 30,000 / 34,000	10,300 / 35,000 / 37,000	10,000 / 42,000 / 42,500
Power Input	Cooling (Min / Std / Max) [kW]	0.9 / 3.37 / 4.6	0.8 / 3.9 / 4.9	1.05 / 4.74 / 5.90
Current Input	Cooling (Min / Std / Max) [kW]	4.7 / 15.0 / 20.0	4.4 / 18.5 / 21.5	2.10 / 8.00 / 9.20
	MCA [A]	24.70	24.70	14.70
Power	MFA [A]	27.50	27.50	16.20
	Energy Efficiency	EER (Nominal Cooling) [W/W]	2.61	2.63
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Installation Max. Length [m]	50	50	50
	Installation Max. Height [m]	30	30	30
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	2.5	2.5	2.2
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)
	Motor Output [W]	153	153	153
	Air Flow Rate (High / Mid / Low) [CMM]	29.0 / 25.0 / 22.0	33.0 / 27.0 / 22.0	38.00 / 32.00 / 25.00
	External Static Pressure [mmAq]	0.0 / 4.0 / 15.0	0.0 / 4.0 / 15.0	0.00 / 5.20 / 15.00
	External Static Pressure [Pa]	0.0 / 39.2 / 147.0	0.0 / 39.2 / 147.0	0.00 / 50.99 / 147.10
Drain	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP20 (OD 25,ID 20)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	41.0 / 38.0 / 34.0	39.0 / 36.0 / 33.0	42.0 / 38.0 / 34.0
External Dimension (Indoor Unit)	Net Weight [kg]	25.0	32.0	32.5
	Net Dimensions (WxHxD) [mm]	850 x 250 x 700	1200 x 250 x 700	1200 x 250 x 700
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
Compressor	Type	BLDC Rotary	BLDC Rotary	Twin BLDC Rotary
	Model	UG8T300LNBJU	UG8T300LNBJU	UG5T450FUFJX
	Output [kW]	-	-	4.12
	Oil Type	PVE	PVE	PVE
Fan	Air Flow Rate (Cooling) [CMM]	60	60	70
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	54.0 / 56.0	55.0 / 57.0	57.0 / 58.0
External Dimension (Outdoor Unit)	Net Weight [kg]	67	67	89
	Net Dimensions (WxHxD) [mm]	880 x 967 x 320	880 x 967 x 320	932 x 1,162 x 375
Operating Temp. Range	Cooling [°C]	-5~48	-5~48	-5~48

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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB





DUCT S R410A (NASA)

Model Code	Indoor	AC140JNMDEH/AF	AC160JNMDEH/AF
	Outdoor	AC140JXMDGH/AF	AC160JXMDGH/AF
Capacity	Cooling [kW]	3.19 / 13.77 / 13.92	3.22 / 15.83 / 16.12
	Cooling [Btu/h]	10,900 / 47,000 / 47,500	00/ 54,000 / 55,000
Power Input	Cooling (Min / Std / Max) [kW]	1.30 / 5.30 / 6.50	1.08 / 6.07 / 6.35
Current Input	Cooling (Min / Std / Max) [kW]	2.50 / 9.00 / 10.00	2.20/9.70 / 10.00
Power	MCA [A]	14.70	15.50
	MFA [A]	16.20	17.10
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.60	2.61
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	19.05
	Installation Max. Length [m]	50	50
	Installation Max. Height [m]	30	30
Refrigerant	Type	R410A	R410A
	Factory Charging [kg]	2.2	3.5
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)
	Motor Output [W]	153	244
	Air Flow Rate (High / Mid / Low) [CMM]	42.00 / 34.00 / 27.00	49.00 / 43.00 / 37.00
	External Static Pressure [mmAq]	0.00 / 5.20 / 15.00	0.00 / 5.20 / 15.00
	External Static Pressure [Pa]	0.00 / 50.99 / 147.10	0.00 / 50.99 / 147.10
Drain	Drain Pipe [Ø, mm]	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	43.0 / 39.0 / 34.0	44.0 / 40.0 / 35.0
External Dimension (Indoor Unit)	Net Weight [kg]	32.5	38.0
	Net Dimensions (WxHxD) [mm]	1200 x 250 x 700	1300 x 300 x 700
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5T450FUFJX	UG5T450FUFJX
	Output [kW]	4.12	4.12
	Oil Type	PVE	PVE
Fan	Air Flow Rate (Cooling) [CMM]	70	70
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	57.0 / 59.0	57.0 / 59.0
External Dimension (Outdoor Unit)	Net Weight [kg]	89	97
	Net Dimensions (WxHxD) [mm]	932 x 1,162 x 375	932 x 1,162 x 375
Operating Temp. Range	Cooling [°C]	-5~48	-5~48

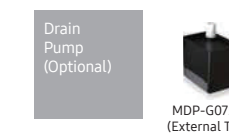
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Model Name	Indoor Unit	AC052NNMSEC/EA	AC071NNMSEC/EA	AC090NNMSEC/EA
	Outdoor Unit	AC052NXMSEC/EA	AC071NXMSEC/EA	AC090NXMSEC/EA
Capacity	Cooling [kW]	5.3	6.5	8.2
Power Input (Nominal)	Cooling [kW]	1.71	2.03	2.48
Current Input (Nominal)	Cooling [A]	8	8.9	10.9
Power	MCA [A]	17	20.6	24.6
	MFA [A]	18.7	22.7	27.1
Energy Efficiency	EER (Nominal Cooling)	3.1	3.2	3.3
Piping Connections	Liquid Pipe [Φ, mm]	6.35	6.35	9.52
	Gas Pipe [Φ, mm]	12.7	15.8	15.8
	Installation Max. Height [m]	15	15	30
Power Supply (Indoor Unit) Φ, #, V, Hz		1.2.220-240,50	1.2.220-240,50	1.2.220-240,50
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	150 W	150 W	150 W
	Number of Unit (EA)	2 EA	2 EA	2 EA
	Air Flow Rate (High/Mid/Low) [CMM]	15/14.2/13.5	22.5/20.5/18.5	29/24.5/20
External Static Pressure (min/Std/Max) [mmAq]	3/3/15	3/3/15	4/4/15	
Drain	Drain Pipe [Φ, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High/Med/Low) [dB(A)]	35/33/31	40/38/36	42/38/34
External Dimension (Indoor Unit)	Net Weight [kg]	30	30	33
	Net Dimensions (WxHxD) [mm]	1150x260x480	1150x260x480	1150x320x480
Additional Accessories	Drain Pump	MDP-M075SGU1D	MDP-M075SGU1D	MDP-M075SGU1D
	Drain Pump Max. Lifting Height/Displacement	1200mm/400cc	1200mm/400cc	1200mm/400cc
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	Rotary	Rotary	Rotary
	Model	UG8CH8180DEH	UG5CH8215DEH	ASQ300S1SMV
	Output [kW]	1.76 kW	2.02 kW	2.42 kW
	Oil (Type)	POE	POE	RB75EA
	Oil (Initial Charge) [cc]	540 cc	800 cc	1100cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	49.8	52.5	58
Sound (Outdoor Unit)	Sound Pressure (Cooling/Heating) [dB(A)]	52	52	55
External Dimension (Outdoor Unit)	Net Weight (kg)	45.3	58.5	66
	Net Dimensions (WxHxD) [mm]	880x638x310	880x793x310	880x931x320
Operating Temp. Range	Cooling [°C]	21 ~ 54°C	21 ~ 54°C	21 ~ 54°C

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CAC DUCT ON OFF

Model Name	Indoor Unit	AC100NNMSEC/EA	AC120NNMSEC/EA	AC140NNMSEC/EA	AC160NNMSEC/EA
	Outdoor Unit	AC100NXMSEC/EA	AC120NXMSEC/EA	AC140NXMSEC/EA	AC160NXMSEC/EA
Capacity	Cooling [kW]	11.1	12.5	14	15.4
Power Input (Nominal)	Cooling [kW]	3.79	4.17	5.19	5.5
Current Input (Nominal)	Cooling [A]	6.7		8.9	9.4
Power	MCA [A]	13.5	14.9	17.5	19.9
	MFA [A]	14.9	16.4	19.3	21.9
Energy Efficiency	EER (Nominal Cooling)	2.93	3	2.7	2.8
Piping Connections	Liquid Pipe [Φ, mm]	9.52	9.52	9.52	9.52
	Gas Pipe [Φ, mm]	15.8	15.8	15.8	19
	Instalation Max. Length [m]	50	50	50	50
	Instalation Max. Height [m]	30	30	30	30
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
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	200 W	200 W	200 W	350 W
	Number of Unit (EA)	2 EA	2 EA	2 EA	2 EA
	Air Flow Rate (High/Mid/Low) [CMM]	29/24.5/20	34/29/24.5	34/29/24.5	50/44.5/39
	External Static Pressure (min/Std/Max) [mmAq]	4/4/15	5.2/5.2/15	5.2/5.2/15	5.2/5.2/15
Drain	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/Med/Low) [dB(A)]	42/38/34	42/38/34	42/38/34	44/40/36
External Dimension (Indoor Unit)	Net Weight [kg]	33	47	47	53
	Net Dimensions (WxHxD) [mm]	1150x320x480	1200x360x650	1200x360x650	1200x360x650
Additional Accessories	Drain Pump	MDP-M075SGU1D	MDP-M075SGU2D	MDP-M075SGU2D	MDP-M075SGU2D
	Drain Pump Max. Lifting Height/Displacement	1200mm/400cc	1200mm/400cc	1200mm/400cc	1200mm/400cc
Power Supply (Indoor Unit) Φ, #, V, Hz		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Compressor	Type	Rotary	Rotary	Rotary	Rotary
	Model	UG3AK5415BH	UG3T450BUAHY	UG3T530BUAHY	UG3T530BUAHY
	Output [kW]	3.88 kW	4.38 kW	5.19 kW	5.19 kW
	Oil (Type)	POE	POE	POE	POE
	Oil (Initial Charge) [cc]	1600 cc	1700 cc	1700 cc	1700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	105	105	105	105
Sound (Outdoor Unit)	Sound Pressure (Cooling/Heating) [dB(A)]	54	54	54	55
External Dimension (Outdoor Unit)	Net Weight (kg)	93	98	98	99.5
	Net Dimensions (WxHxD) [mm]	932x1162x375	932x1162x375	932x1162x375	932x1162x375
Operating Temp. Range	Cooling [°C]	21 ~ 54°C	21 ~ 54°C	21 ~ 54°C	21 ~ 54°C

FLOOR STANDING

Model Name		AC036KNPDEC/SV	AC048KNPDEC/SV
Capacity	Cooling [kW]	3.4/10/13 kW	3.6/14/16.7 kW
	Cooling [Btu/h]	- Btu/h	- Btu/h
Power Input (Nominal)	Cooling 1)	0.88/3.27/4.90 kW	0.82/5.04/5.6 kW
Current Input (Nominal)	Cooling 1)	4.4/14.4/22.5	1.6/7.8/9
Power	MCA [A]	22.5 A	16.1 A
	MFA [A]	28.1 A	16.1 A
Energy Efficiency	EER (Nominal Cooling)	3.06	2.78
Piping Connections	Liquid Pipe [Φ, mm]	9.52 mm	9.52 mm
	Gas Pipe [Φ, mm]	15.88 mm	15.88 mm
	Instalation Max. Length [m]	50 m	75 m
	Instalation Max. Height [m]	30 m	30 m
Field Wiring	Power Source Wire	-	-
	Transmission Cable	0.75	0.75
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	97 W	154 W
	Number of Unit (EA)	1 EA	1 EA
	Air Flow Rate (High/Mid/Low) [CMM]	29 CMM	35.5 CMM
	Air Flow Rate (High/Mid/Low) [L/S]	-	-
Drain	Drain Pipe [Φ, mm]	VP18 mm	VP18 mm
Sound	Sound Pressure (High/Med/Low) [dB(A)]	45/42/39 dBA	51/48/45 dBA
External Dimension (Indoor Unit)	Net Weight [kg]	43 kg	46 kg
	Net Dimensions (WxHxD) [mm]	610x1850x400 mm	610x1850x400 mm
Power Supply (Indoor Unit) Φ, #, V, Hz		1,2,220-240,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG8T300FUBJUSG	UG5TK1450FJX
	Output [kW]	2.82 kW	4.19 kW
	Oil (Type)	PVE	PVE
	Oil (Initial Charge) [cc]	1,200 cc	1,700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	76 CMM	110 CMM
Sound (Outdoor Unit)	Sound Pressure (Cooling/Heating) [dB(A)]	51/- dBA	53/- dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	71 kg	84.5 kg
	Net Dimensions (WxHxD) (mm)	940x998x330	940x1210x330
Operating Temp. Range	Cooling [°C]	-15 ~ 52°C	-15 ~ 52°C

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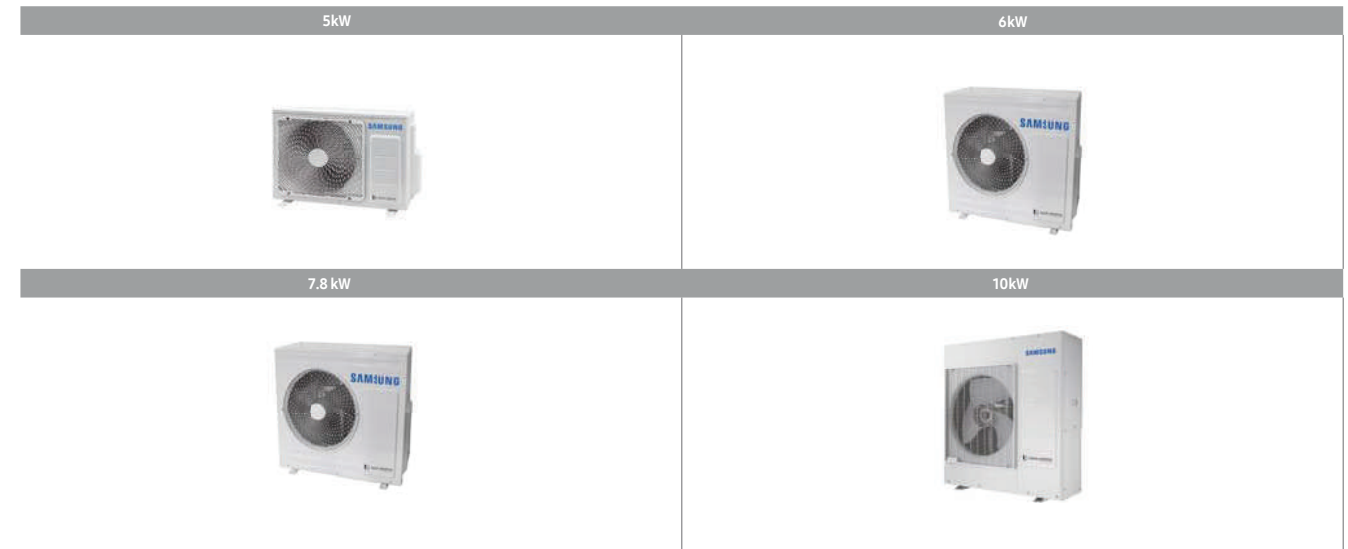
FJM

SPECIFICATION




FJM


OUTDOOR / INDOOR LINE-UP



Duct

Model		
		LSP (Slim)
Capacity (kW)	2.6	
	3.5	
	5.2	

Wall Mounted

Model		
		AR5000
Capacity (kW)	2.0	
	2.5	
	3.5	
	5.0	
	6.8	

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

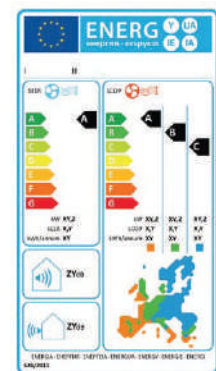
Achieve multi-room temperature control with a flexible, easy-to-install and energy-efficient solution.

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.



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

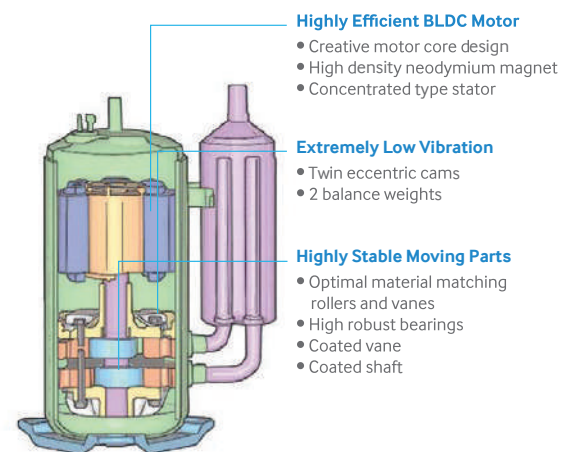
Featuring a suite of energy-optimizing technologies, Samsung FJM delivers top-class energy efficiency to support businesses in saving costs and the environment. Plus, CAC Single with its smart technologies fully complies with new European Union (EU) regulations for more efficient performance.

Driver 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, 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

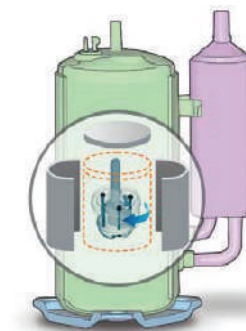
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Minimal Noise Level for Maximum Comfort

With its superior insulation and low vibration, FJM offers a comforting environment undisturbed by bothersome noise levels typical of standard air conditioning systems. Residents can enjoy a more restful night and employees can increase focus levels with less disturbance.

Easy, One-Touch Step

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, 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.

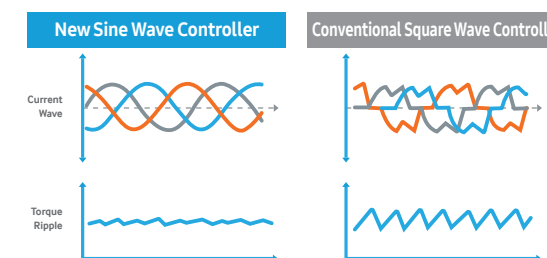


Quiet Operation

Double-layered sound insulation material fully covers the compressor to absorb and minimize the noise for quieter operation, making it more discreet despite its high-quality performance.

Neat and Simple

With a single FJM outdoor unit, users can connect up to five indoor units, so property owners can keep the building exterior clean and neat.



Sine Wave Controller

All Samsung FJM models have adopted a newly developed Sine Wave Controller. Smoother current waves result in a soft acoustic quality and overall noise reduction.



FJM 2 TICKS

Model Code	Outdoor	AJ18FCJ3EC	AJ21FCJ3EC	AJ27HCJ4EC
Capacity	Cooling [kW]	5	6	7.8
	Cooling [Btu/h]	17,100	20,500	26,600
Power Input	Cooling (Min / Std / Max) [kW]	1.42	1.78	2.3
Current Input	Cooling (Min / Std / Max) [kW]	6.5	8.1	10.5
Power	MCA [A]	12.00	13.70	17.20
	MFA [A]	13.75	15.63	19.38
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.52	3.37	3.39
	NEA Ticks	2 Ticks	2 Ticks	2 Ticks
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Gas Pipe [Ø, mm]	9.52	9.52	9.52
	Installation Max. Length [m]	25	25	25
	Installation Max. Height [m]	15	15	15
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	2	2	2.4
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG4T200FUAE4	UG4T200FUAE4	UG4T200FUAE4
	Output [kW]	5.92	5.92	5.92
	Oil Type	POE	POE	POE
Fan	Air Flow Rate (Cooling) [CMM]	35.74	41.37	56.79
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	44	47	50
External Dimension (Outdoor Unit)	Net Weight [kg]	47.5	47.5	58
	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 638 x 310	880 x 798 x 310
Operating Temp. Range	Cooling [°C]	10.0 ~ 46.0	10.0 ~ 46.0	10.0 ~ 46.0

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FJM 2 TICKS

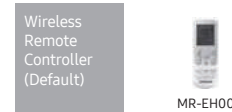
Model Code	Outdoor	AJ34HCJ5EC
Capacity	Cooling [kW]	10
	Cooling [Btu/h]	34,100
Power Input	Cooling (Min / Std / Max) [kW]	2.95
Current Input	Cooling (Min / Std / Max) [kW]	13.5
Power	MCA [A]	26.62
	MFA [A]	29.69
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.39
	NEA Ticks	2 Ticks
Piping Connections	Liquid Pipe [Ø, mm]	6.35
	Gas Pipe [Ø, mm]	9.52
	Installation Max. Length [m]	25
	Installation Max. Height [m]	15
Refrigerant	Type	R410A
	Factory Charging [kg]	3
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Compressor	Type	Twin BLDC Rotary
	Model	UG8T300FUBJU
	Output [kW]	9.17
	Oil Type	POE
Fan	Air Flow Rate (Cooling) [CMM]	70.58
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	54
External Dimension (Outdoor Unit)	Net Weight [kg]	71.6
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330
Operating Temp. Range	Cooling [°C]	10.0 ~ 46.0

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FJM 2 TICKS

Model Code	Outdoor	AJ09FBADEC	AJ12FBADEC	AJ18FBADEC	AJ24FBADEC
Features	Type	Wall Mounted (AR5000)	Wall Mounted (AR5000)	Wall Mounted (AR5000)	Wall Mounted (AR5000)
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
Capacity	Cooling [kW]	2.5	3.5	5	6.8
	Cooling [Btu/h]	8,500	11,900	17,100	23,200
Fan	Type	Crossflow fan	Crossflow fan	Crossflow fan	Crossflow fan
	Motor Output [W]	20	20	27	27
	Air Flow Rate (High / Mid / Low) [CMM]	7.74 / 7.07 / 6.40	9.08 / 8.08 / 7.07	17.29 / 14.89 / 12.49	16.69 / 14.89 / 13.09
Drain	Drain Pipe [Ø, mm]	ID18 HOSE	ID18 HOSE	ID18 HOSE	ID18 HOSE
Sound	Pressure (High/Mid/Low) [dB(A)]	31 / 27 / 19	30 / 19	41 / 33 / 23	43 / 37 / 25
External Dimension	Net Weight [kg]	9.5	9.5	13	13
	Net Dimension (WxHxD) [mm]	826 x 261 x 261	826 x 261 x 261	1,065 x 301 x 294	1,065 x 301 x 294



FJM 2 TICKS

Model Code	Outdoor	AJ12FBMDEC	AJ18FBMDEC
Features	Type	Duct S	Duct S
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Capacity	Cooling [kW]	3.5	5
	Cooling [Btu/h]	11,900	17,100
Fan	Type	Sirocco fan	Sirocco fan
	Motor Output [W]	153	153
	Air Flow Rate (High / Mid / Low) [CMM]	12.00 / 9.50 / 8.00	21.00 / 18.00 / 15.00
Drain	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Pressure (High/Mid/Low) [dB(A)]	32 / 29 / 26	35 / 32 / 29
External Dimension	Net Weight [kg]	25	25
	Net Dimension (WxHxD) [mm]	850 x 250 x 700	850 x 250 x 700

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CONTROL SYSTEM



CONTROL SYSTEM

S-NET 3

This integrated software connects to the internet to control the system air conditioners through DMS from a single computer.



DMS 2.5

DMS 2.5 is an internet-based management device that stores and manages all the data relevant to the air conditioners.



On / Off Controller

The On/Off controller controls the air conditioners individually or in groups supporting many other functions.



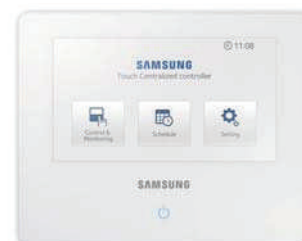
Wired R/C, Wireless R/C

The individual remote controllers are used to control single indoor units more conveniently.



Touch Centralized Controller

This 7" Touch Screen CRC controller is the optimised management solution for mid-size site.



CONTROL SYSTEM

Manage and monitor single or multiple units conveniently from a central, remote location



Flexible and Efficient

Samsung Control System offers convenient, centralised control of individual indoor units or entire groups of multiple units. Using a variety of controls, users can centrally manage and control multiple functions on their air conditioning units.

Integrated Management

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

System Controller

Samsung's control system offers various control options for indoor units. Users can control multiple units individually or simultaneously in groups to optimise convenience.

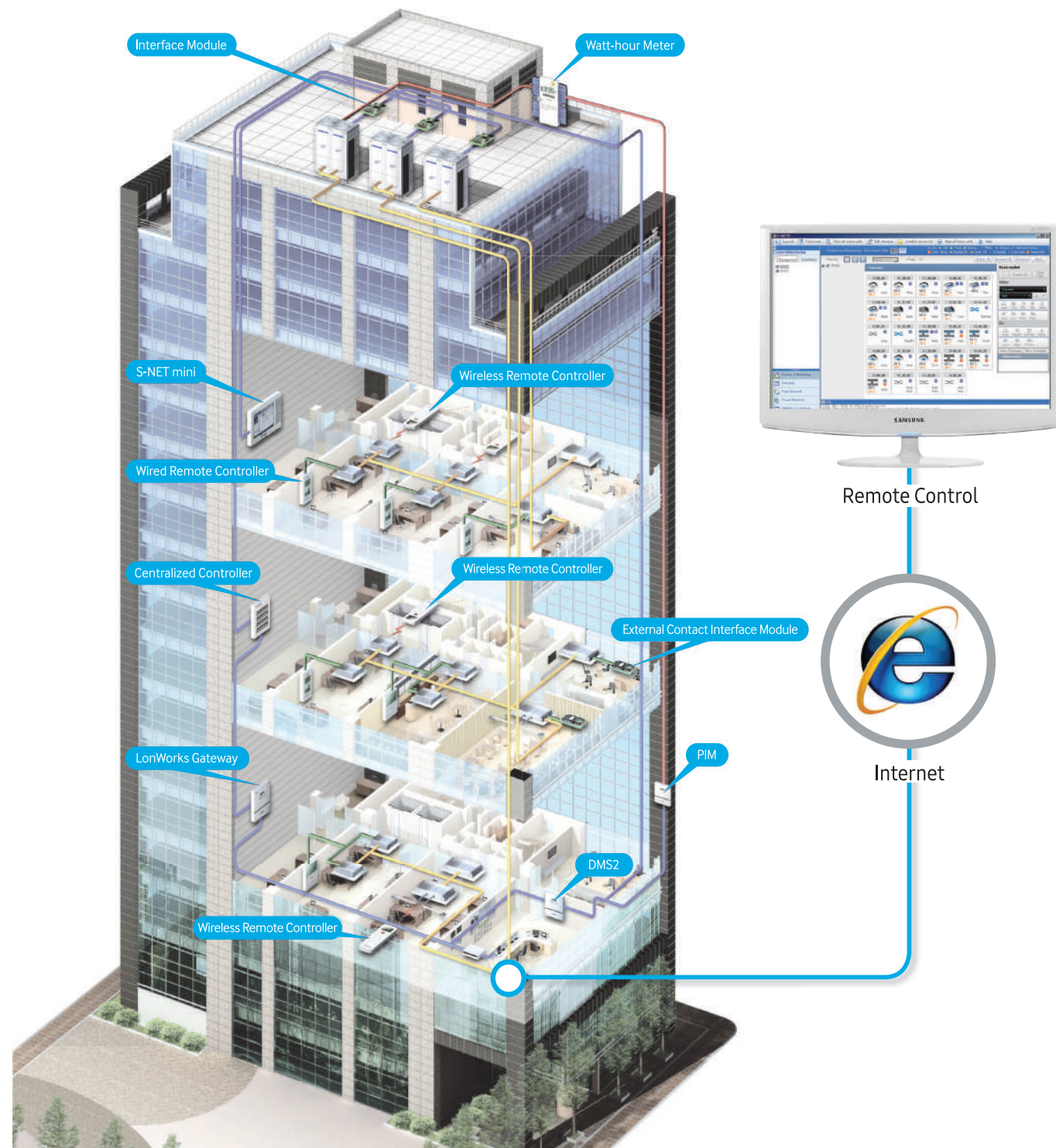
Building Management

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

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.

CONTROL SYSTEM



CONTROL SYSTEM

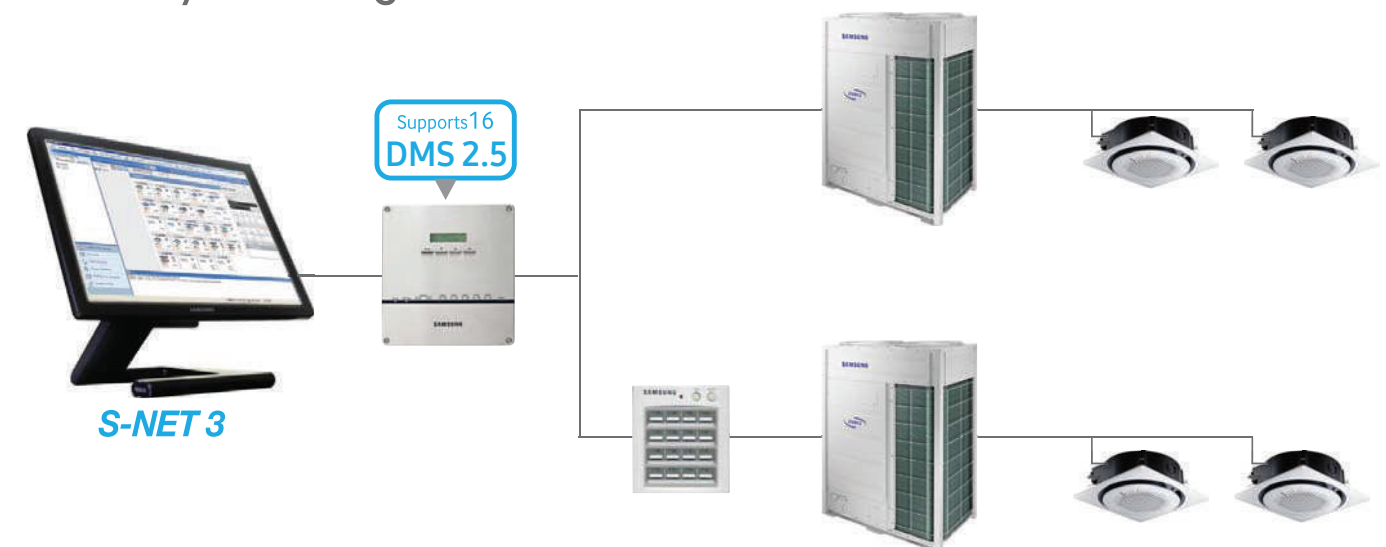
S-NET 3

S-NET 3 manages a group of buildings through Data Management Servers (DMS 2.5) that individually manage each building, providing flexible and complete control for a wide variety of applications.



- Fully integrated PC management software
- Up to 16 DMS 2.5 connection through the Ethernet
- Centralized management of up to 4,096 indoor units including ERV, ERV Plus and AHU
- Scheduled / Zone control
- Error/Operation history management
- Power distribution management and analysis

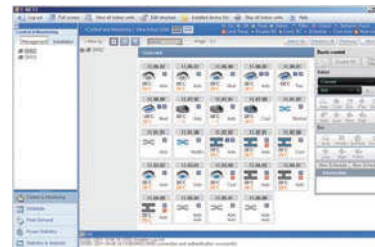
S-NET 3 system configuration



CONTROL SYSTEM

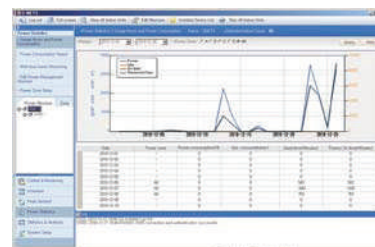
Control and Monitoring

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 visibility on operations. The range of control includes temperature limit setting, operation mode lock and multiple/all indoor unit selection. In addition, an icon-based indoor unit display mode enables easier and more intuitive usability.



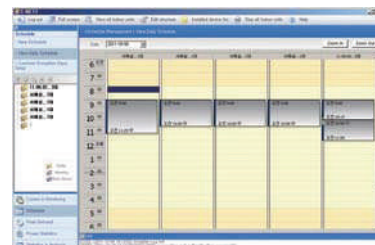
Power Distribution Management

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 on the operations. For more specific output, S-NET 3 can include 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 function.



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. There is also operation history management for indoor units.

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

The New Data Management Server (DMS) 2.5 can manage a variety of different air conditioning units, and the newly upgraded functions can automatically manage the air conditioning system for users.

- Built-in web server for PC-independent management and remote access control
- Multiple upper-level control access (S-NET 2, Web-client)
- Centralized management of up to 256 indoor units including ERV, ERV PLUS and AHU
- User editable control logic
- Accessible level management
- Dynamic security management
- Operation & 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 contact interface



DMS Configuration



CONTROL SYSTEM

Monitoring of Air-Conditioning Operation

DMS 2.5 eliminates the need to open each outdoor unit to monitor operation. Detailed refrigerant flow can be checked in the control room. This helps to reduce service lead time and keep the units up and running.



Easy Control & Monitoring

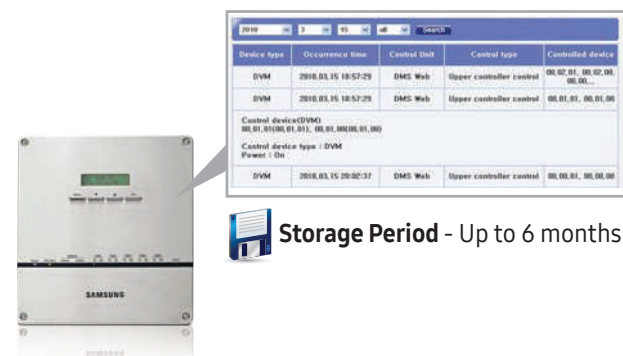
Users can control and monitor up to 256 indoor units, including ERV, ERV PLUS, AHU, DVM CHILLER and FCU Kit, via the Internet. The control functions include on/ off operation mode, and fan speed and temperature settings.



Indoor Unit 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:

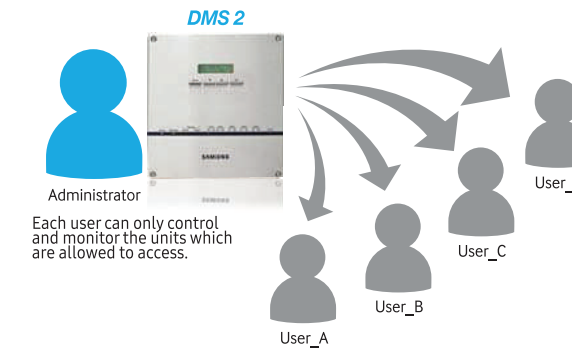
- Indoor unit address and name
- On/Off time (year, month, day, hour, minute)
- Operation mode (cool, heat, auto, fan dry, stop)
- Set/Room temperature



CONTROL SYSTEM

Accessible Level Management

DMS 2.5 enables administrator to specify the scope of unit control and monitoring by each users.



Dynamic User 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 2.5 functions by 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 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.



CONTROL SYSTEM

Enhanced Graphical Display

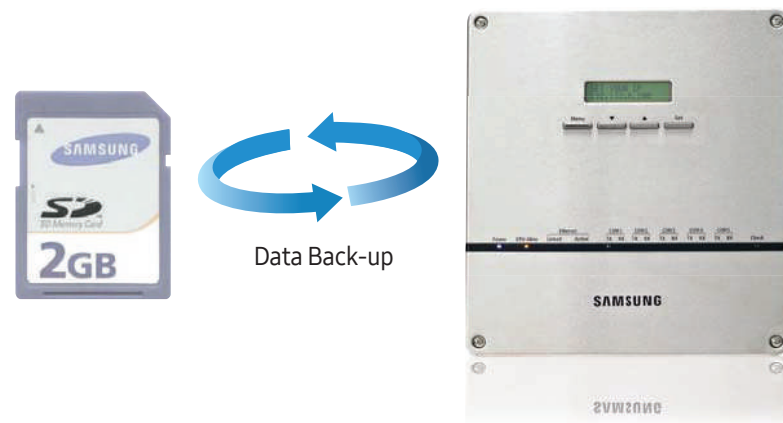
DMS 2.5 simplifies the task of monitoring system operations with its vibrant, intuitive graphical display. Icon-based, colour-coded unit control makes it easy to recognise indoor unit status, while a handy, stylish controller makes management even more convenient.



Powerful Data Backup

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

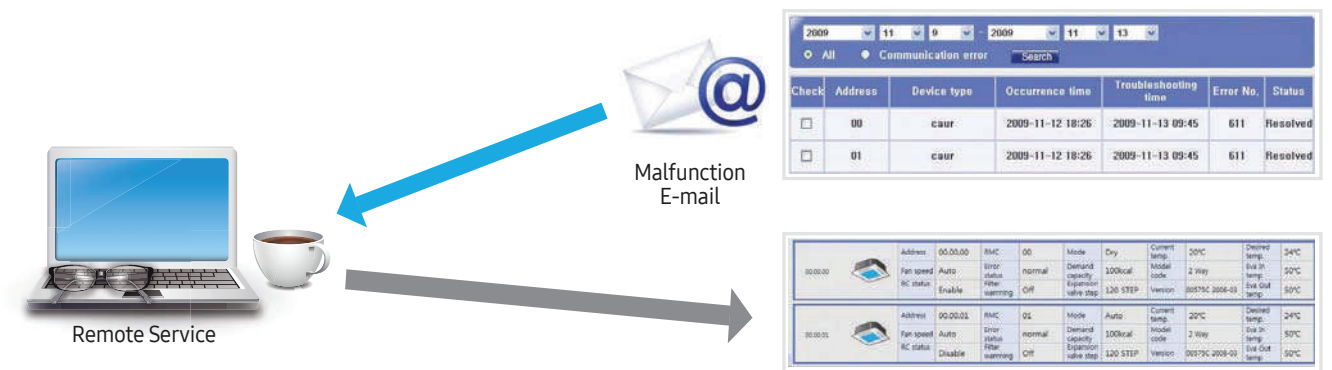
- Indoor/outdoor unit name
- Power distribution data
- Operation history
- DMS power on/off history
- System configuration



CONTROL SYSTEM

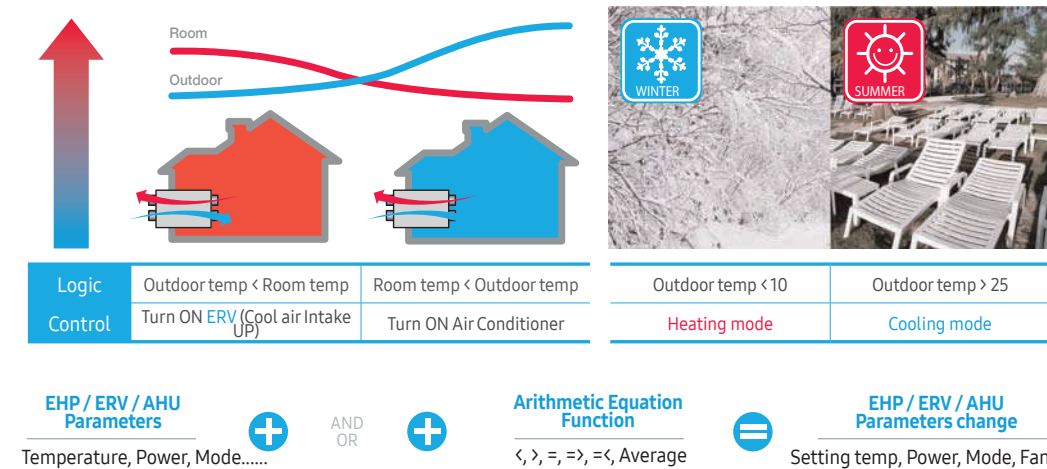
Rapid & Easy Service Response

DMS 2.5 provides easy remote control and monitoring through the internet. You can receive an email notification at your private email account in the event of malfunction.



User Editable Control Logic

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



*Example : Energy saving function, operation adjustment depending on outdoor temperature.

CONTROL SYSTEM

Useful History Management

DMS 2.5 records indoor unit operation and error occurrence history. Recorded history makes it convenient to analyse 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

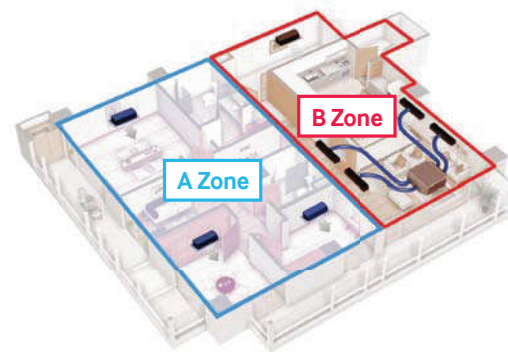


Error History

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

Smart Central Management

DMS 2.5, the Control and Monitoring Zone edition, offers smart centralised zone management. The restrictions on wireless and wired remote controller provide better visibility on operations. It can also manage temperature limit setting and operation mode restriction.



A Zone Cooling only/No remote controller/ Minimum setting temperature in cooling is 20°C

B Zone Cooling only/Remote controller use

Power Distribution System

DMS 2.5 can connect power distribution system to 256 indoor units to provide data query for watt-hour, usage time and usage ratio. One year power distribution data is saved in storage. These files are saved in Microsoft Excel format. DMS 2.5 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 up to eight watt-hour meters and features a pulse interface for each meter.



CONTROL SYSTEM

CENTRALIZED CONTROL

Samsung offers a host of interface modules designed to support superior control of indoor and outdoor units.



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

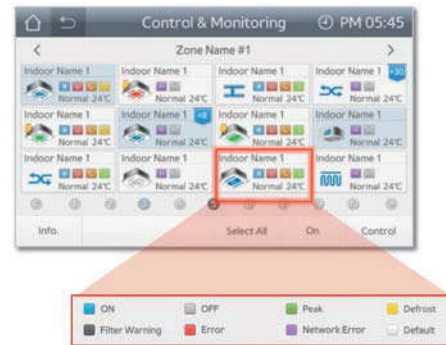
- Various icons based on equipment and operation condition
- Smart phone style user-friendly control
- Individual/group management



CONTROL SYSTEM

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



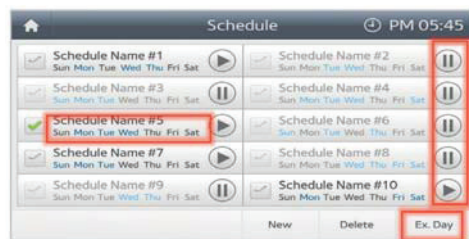
Zone Management for multiple units

- 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

On/Off Controller

MCM – A300N

- Maximum of 16 group controls
- Group/Individual indoor unit control (On/Off)
- Wireless/wired remote control restriction
- Cooling/Heating mode control
- Indoor unit error display

* MCM-A202DN is compatible with MCM-A202A and MCM-A202B



MIM-N01

Communication interface module between outdoor units and the upper level controller which has different communication type

- Connect 1 interface module to 1 outdoor unit.
- Individual control - Maximum 48 indoor units.
- Group control - Maximum 16 groups.

* Supported communication type

- 1) Conventional communication outdoor unit ↔ New communication upper level controller
- 2) New communication outdoor unit ↔ Conventional communication upper level controller



MIM-N10

Communication interface module between ERV and the upper level controller. (Exclusive for ERV)

- Connect 1 interface module per 16 ERVs.

* Supported communication type

- 1) Conventional communication ERV ↔ New communication upper level controller
- 2) New communication ERV ↔ Conventional communication upper level controller
- 3) New communication ERV ↔ New communication upper level controller



CONTROL SYSTEM

Wi-Fi Kit

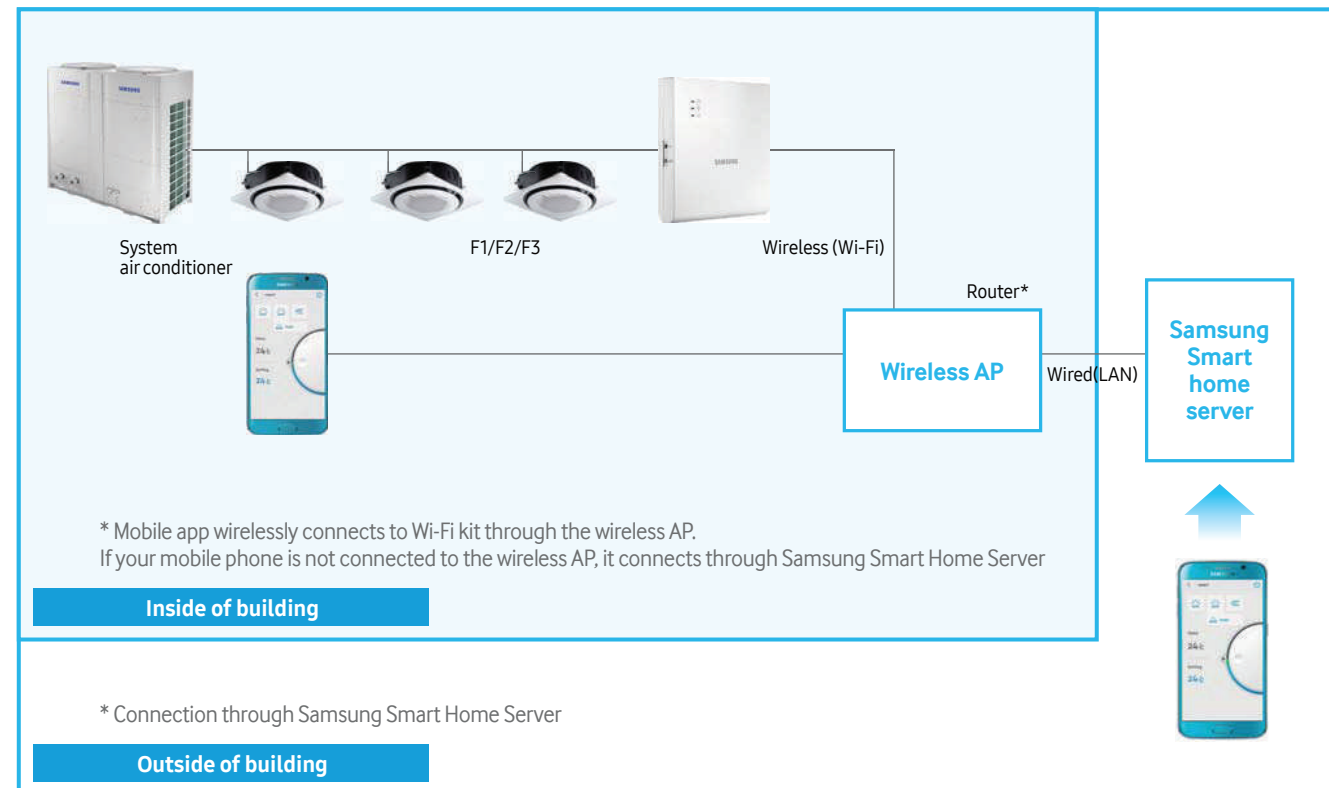
MIM-H03N

- Control and monitoring system air conditioner by mobile phone. (Max. 16 indoor units)
- Weekly schedule setting
- Group control and monitoring (ON/OFF)
- Current/daily/weekly/monthly energy usage data of outdoor unit. (This function is available in certain outdoor unit model)



Wi-Fi Kit Connection

Schedule Control



CONTROL SYSTEM

INDIVIDUAL CONTROL

Samsung's individual control system has a variety of wired and wireless controllers that enable you to easily control your air conditioners. You can choose the one that best suits your air conditioning environment.

Wireless Remote Controller **MR-EC00**

- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- Filter replacement alarm reset
- Simple schedule control
- Wide display
- Soft touch button
- Individual blade control (support specific indoor unit models)
- Multi-channel wireless remote control (maximum of 4 channels)



Premium Wireless Dial Remote Controller **AR-KH03E**

- Jog shuttle and button to adjust airflow
- Fast and intuitive navigation
- Easy to use with consistent function
- Dedicated comfort cooling button
- For 360 Bladeless Cassette only.



Wired Remote Controller **MWR-WE11N**

- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- Individual and group control (maximum to 16 indoor units)
- Error display
- Filter replacement alarm reset
- Sleep & Silent mode
- Built-in room temperature sensor
- Child lock
- Automatic stop mode
- Wireless remote control restriction
- Clear & Bright screen with LCD backlight
- 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 (support specific indoor unit models)
- 360 CST air flow control & display
- Time synchronisation with DMS 2.5



CONTROL SYSTEM

WPremium LED Touch Screen Wired Remote Controller **MWR-SH10N**

- On/Off control
- Operation mode, fan speed, airflow and temperature setting
- Filter replacement alarm
- Control up to 16 indoor units
- Error display
- Mode selection protection prevents the setting from tempering
- Can be used as wireless receiver
- Blue LED background light



ERV Wired Controller **MWR-VH12N**

- Individual and group control (Maximum of 16 ERVs)
- On/Off control
- Operation Mode (By-Pass, Heat Exchange), Fan Speed
- Simple schedule control
- Error display
- Synchronised operation with indoor units



Wireless Signal Receiver **MWR-A10N**

- On/Off control
- Operation indication
- Error indication
- Filter replacement sign



External Room Sensor **MWR-TA**

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



CONTROL SYSTEM

BUILDING MANAGEMENT MODULE

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

BACnet Gateway

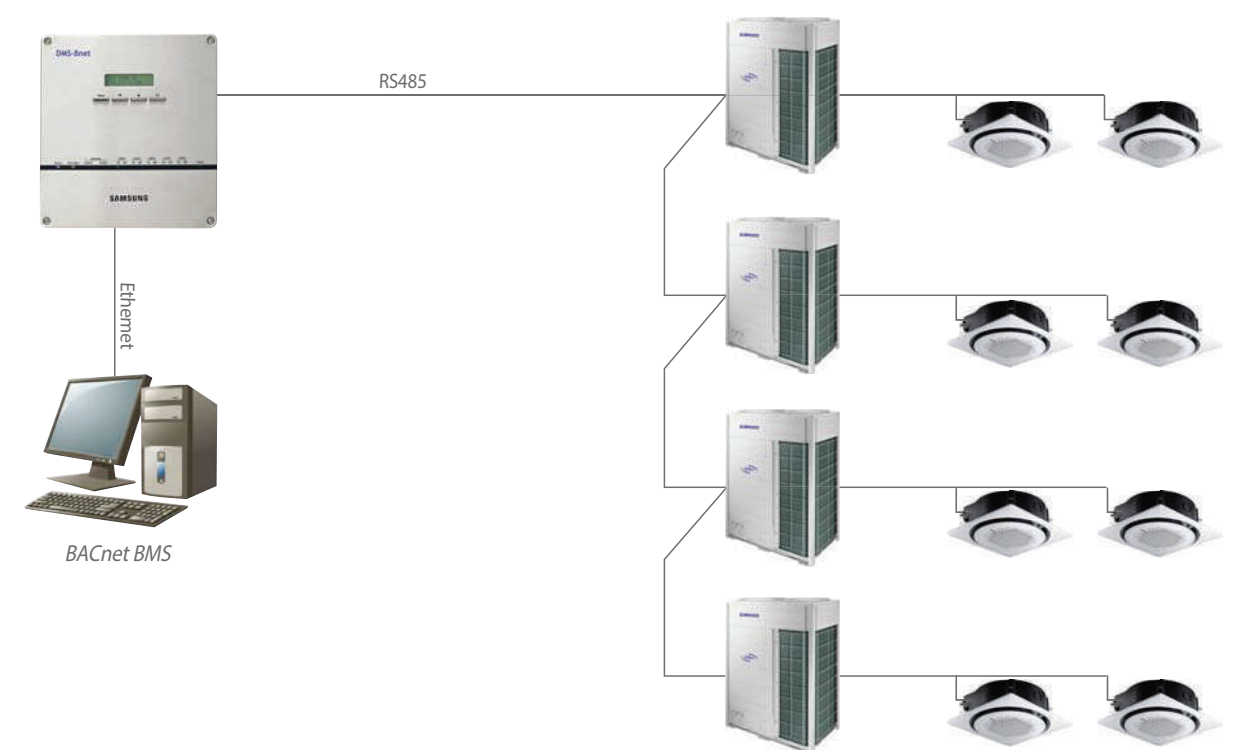
With the BMS control and monitoring function, BACnet gateway makes it easy to control the air conditioning network in various ways. BACnet gateway can control up to 256 indoor units, used in combination with S-NET 3.

- Interface for BACnet management system
- Maximum 256 indoor units plus ERVs support with a maximum of 80 interface modules
- Includes DMS 2.5 functions



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

LonWorks Gateway MIM-BI8N (DMS-Lnet)

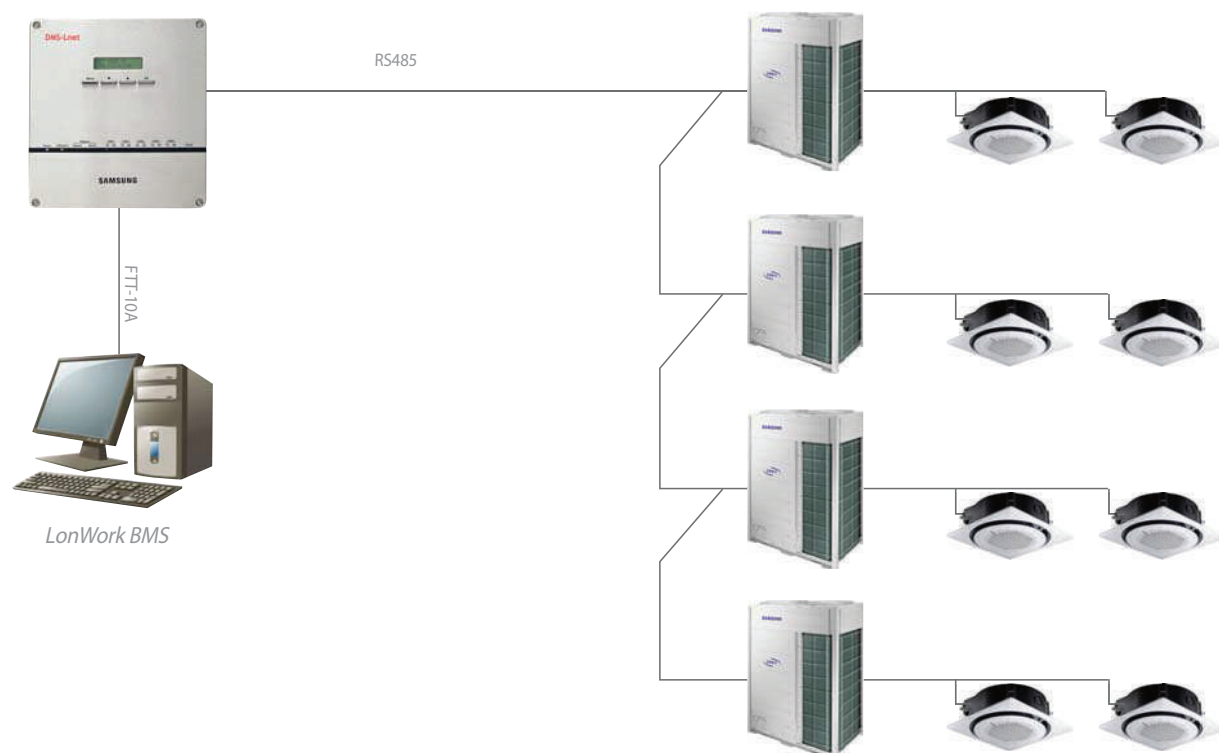
LonWorks gateway is an interface for Lon-Connection to LonWorks management system, providing you with a more convenient way to manage your air conditioning system. It can control a maximum of 128 indoor units, used in combination with S-NET 3.

- Exclusive use for DMS 2.5 power distribution
- Connection with up to 8 watt-hour meters
- Pulse interface with watt-hour meters
- Watt hour meter - by 3rd party



Control		Monitoring	
• On/Off control	• Filter alarm reset	• On/Off control	• Thermo On/Off
• Operation mode	• User control restriction	• Operation mode	• Power distribution
• Temperature setting	• Operation mode lock	• Set/Room temperature	• Operation mode lock
• Fan speed/direction	• Set temperature limit	• Fan speed/direction	• Set temperature limit
• ERV operation mode	• Emergency stop	• ERV operation mode	• In/Out contact state
• ERV fan speed	• Output contact control	• ERV fan speed	• Emergency stop
		• Filter alarm	• Error code
		• User control restriction	

Connection



CONTROL SYSTEM

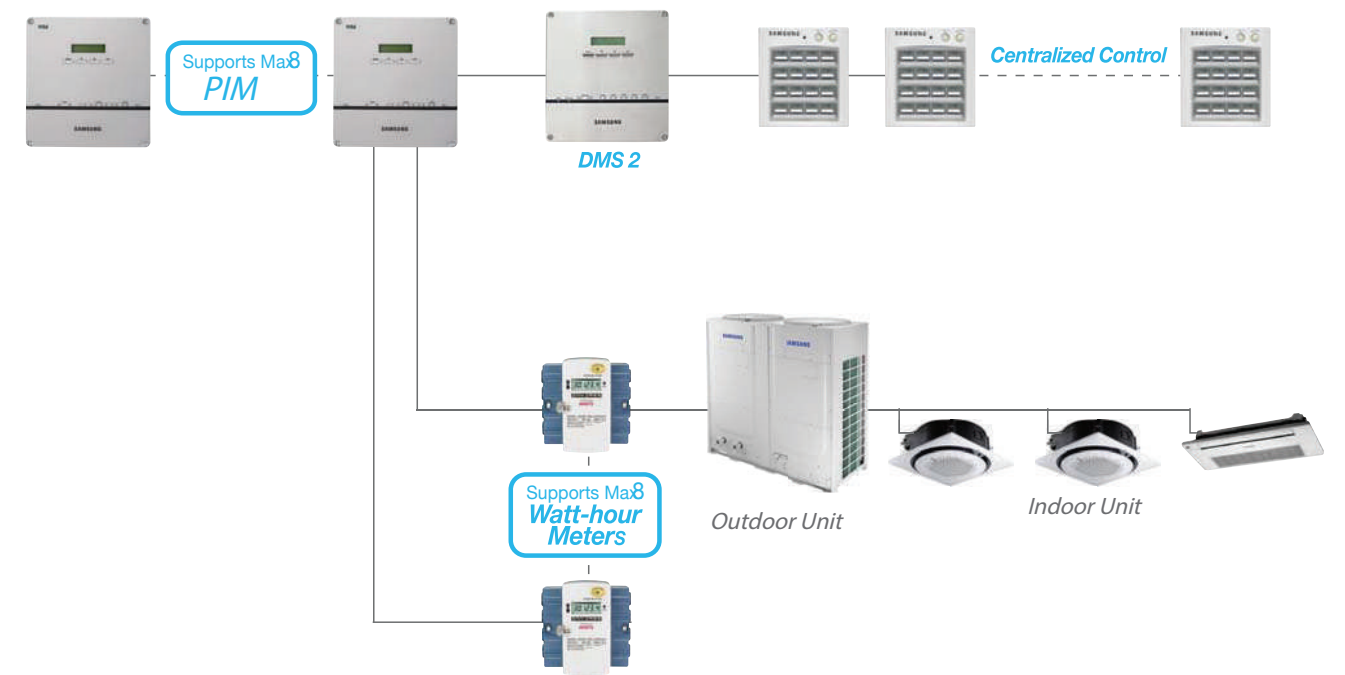
Watt-hour Meter Interface Module MIM-BI6N PIM (Pulse Input Module)

The Watt-hour Meter Interface Module can be exclusively used for DMS 2.5 power distribution, displaying power consumption for each watt-hour meter.

- Exclusive use for DMS 2.5 power distribution
- Connection with up to 8 watt-hour meters
- Pulse interface with watt-hour meters
- Watt hour meter - by 3rd party



Connection



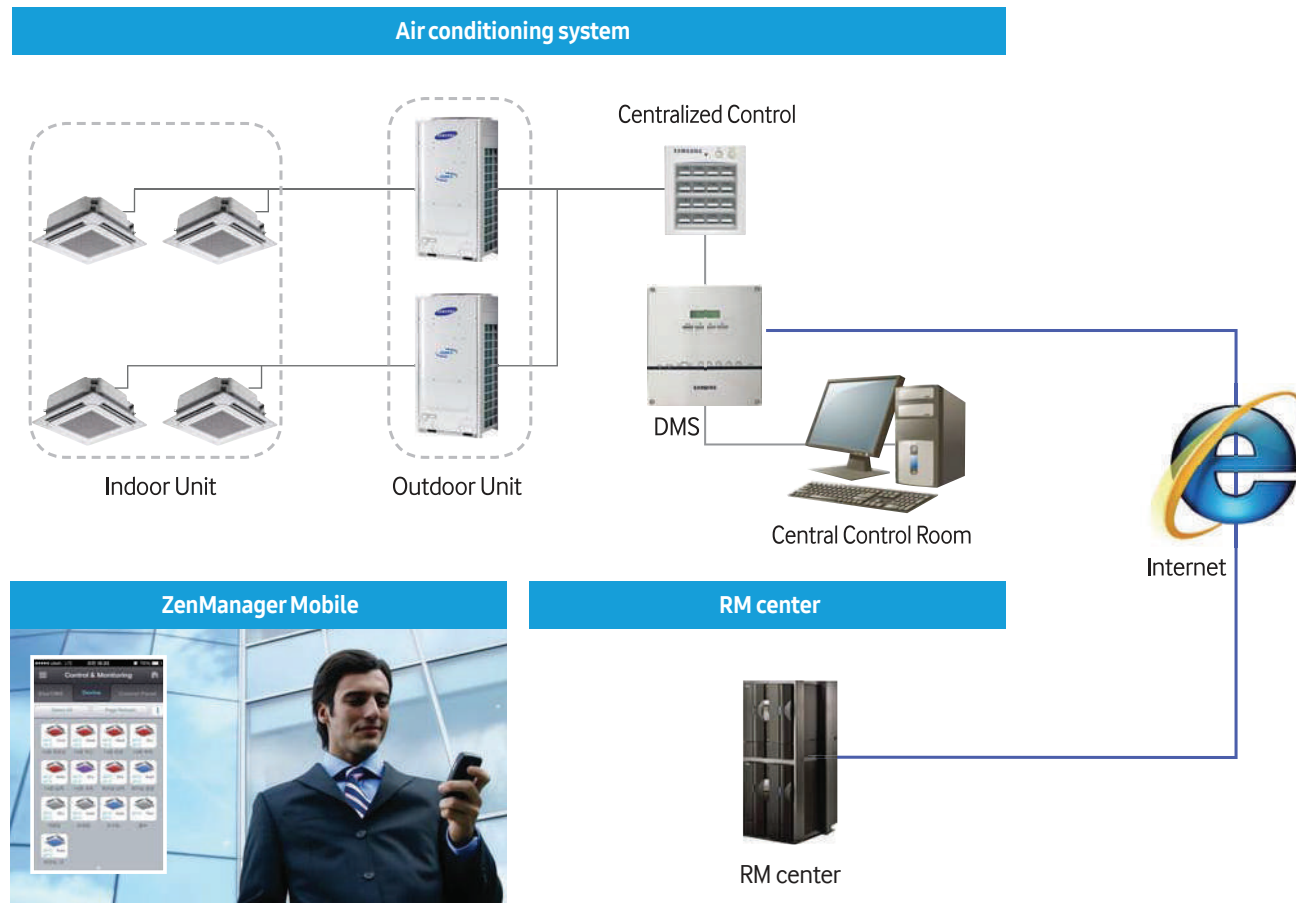
CONTROL SYSTEM

Remotely monitor operations 24/7 for the ultimate in convenient control

Zen Manager enables seamless remote control and 24-hour monitoring via the Internet. It offers users reports and notifications to update users on the operation status of the air conditioning unit.

RMS MST-R5D

- Real-time: Remote Monitoring and Control via Internet
- Group Management : Manage Multiple Sites by Grouping
- Analysis Uptime and Power Usage of Air Conditioning Unit
- Report on Usage Trend, Ranking and Usage Comparison of Multiple Sites
- Mobile App
- Fault Detection and Mobile App Notification
- Cycle Data Backup and Check Cause Failure



CONTROL SYSTEM

Group Management

- Multiple sites can be managed at one place
- Usage comparison of multiple sites



Remote Fault Detection

- Remote fault detection and check reason
- Service notification



Report

- Weekly and monthly report for usage trend



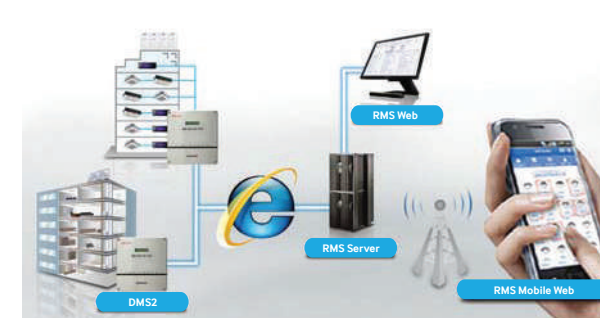
User Friendly Widget

- Chart and List Widget
- Indoor unit Widget



Mobile App

- Monitoring and control from anywhere
- Fault detection



Data Analysis

- Analyse uptime and power usage
- Back up cycle data



CONTROL SYSTEM

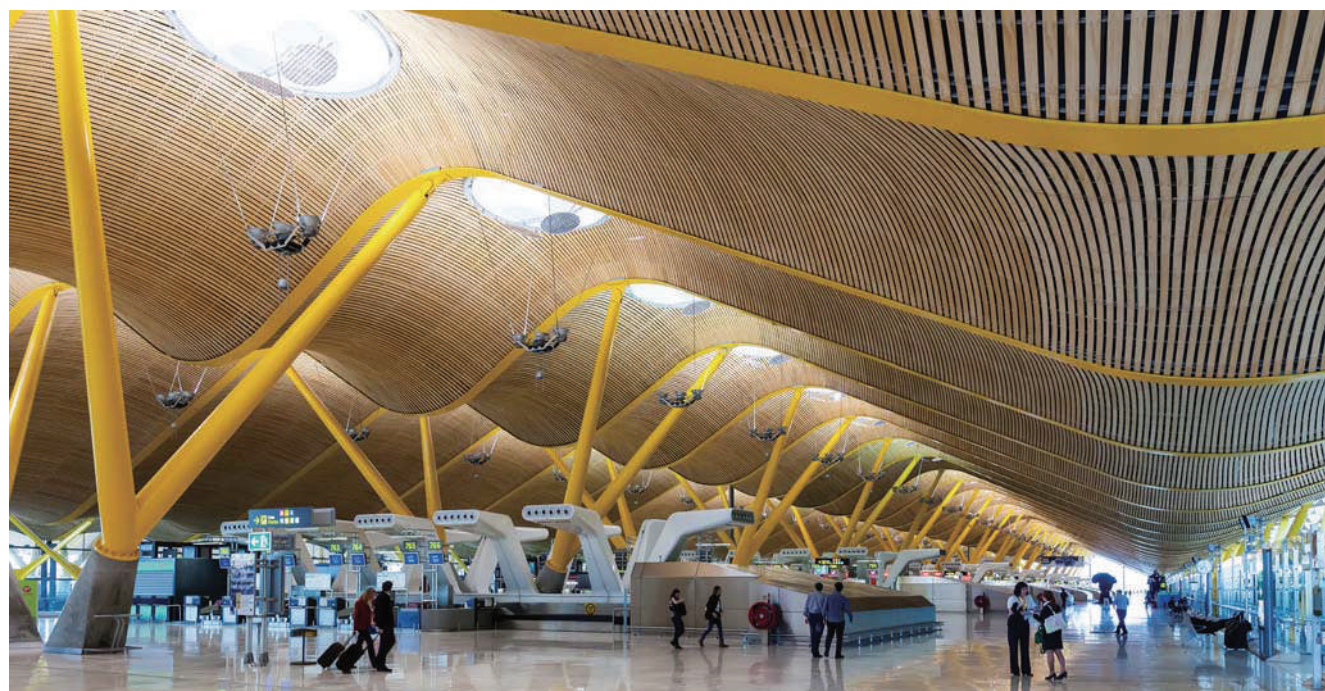
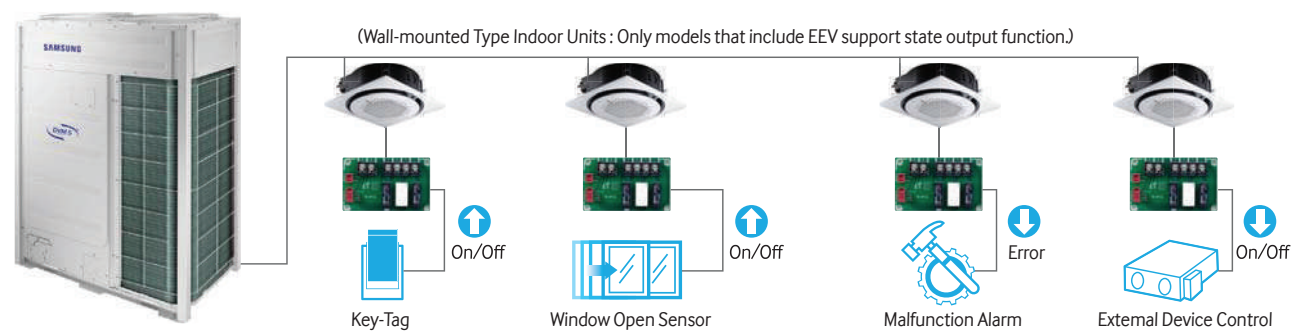
GUESTROOM MANAGEMENT MODULE

Guest Room Management system saves you energy and money on cooling an unoccupied room. The air conditioner is activated when Key-Tag is in place and turns off when Key-Tag is removed.

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.

- Direct indoor unit control by external contact signal
- Window-synchronised indoor unit control
- Emergency control with simple contact input
- Indoor unit operation/error state output through relay contacts



CONTROL SYSTEM

NEW DVM-PRO

Samsung's new DVM-Pro is an advanced design and automation tool that can be used in AutoCAD-based CAD mode or Windows®-based Sales mode. This new program can help you in selecting the right type of air conditioner equipment so that you can easily and precisely design your air conditioning system.

Sales Mode

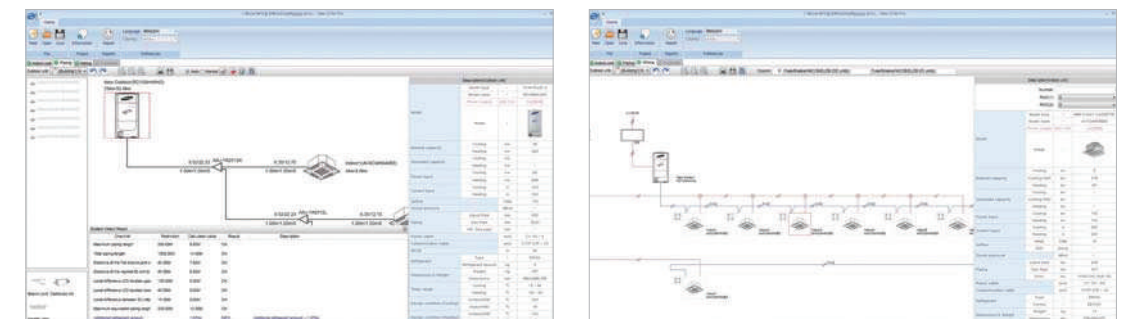
The Sales Mode enables users to customise their air conditioning system by selecting the following categories:

- 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 & BMP format, quotation

Download!

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

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



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:

- AutoCAD is not included in DVM-PRO
- Automatic Calculation : Refrigerant & drain pipe size
- Automatic Selection : Refnet joint, header & distributor kit
- System Check : Installation regulation & refrigerant addition
- Easy Control System Selection
- Automatic Report : Piping installation diagram, equipment list & quotation



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

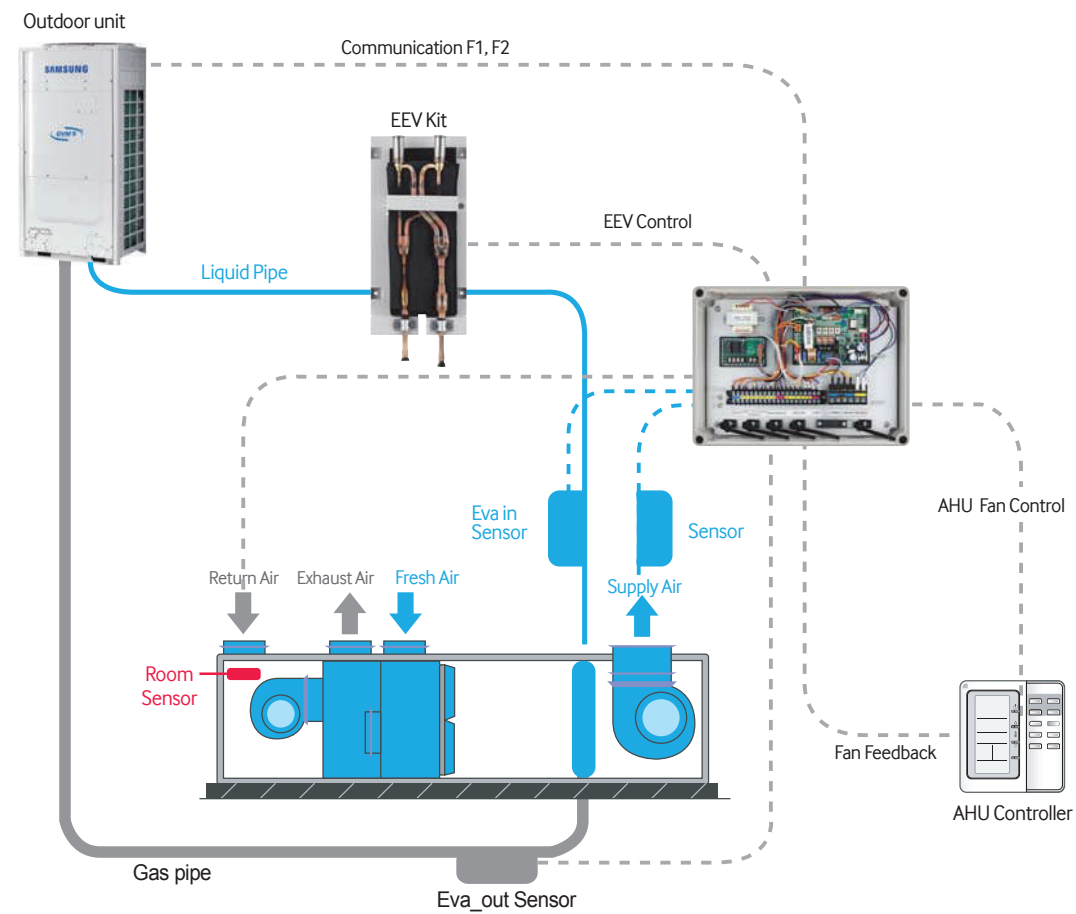
CONTROL SYSTEM

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
- 2.5HP – 40HP
- Simple BMS application
- 0-10V
- Discharge air temperature control



CONTROL SYSTEM

Line-up

CLASSIFICATION	PRODUCT	IMAGE	MODEL		APPLICATION	
			DVM, CAC (New Communication Protocol)	CAC, FJM		
Integrated Management System	Controller	S-NET 3	MST-P3P	MST-P3P	Excluding(DVM chiller, FCU kit)	
			MST-S3W		Cassette & Ceiling	
			MIM-D00A		Cassette & Ceiling	
	Interface Module	PIM (Electricity meter) SIM (RS485 Comm. Electricity meter)	MIM-B16N	MIM-B16	Excluding(ERV, DVM chiller, FCU kit)	
MIM-B12N				Excluding(ERV, DVM chiller, FCU kit)		
Building Management Module	Building Management	ZenManager	MST-R5D	MST-R5D	Mobile	
	Gateway	LonWorks Gateway(New)	MIM-B18N	MIM-B18	Including(DVM chiller, FCU kit)	
		BACnet Gateway(New)	MIM-B17N	MIM-B17	Including(DVM chiller, FCU kit)	
Interface Module	LonWorks Gateway Interface			MIM-B07		
System Controller	Centralized Control System	Controller	Centralized Touch Controller	MCM-A300N	-	
			Function Controller	MCM-A100	MCM-A100	Cassette & Ceiling
			On/Off Controller	MCM-A202DN	MCM-A202D	Cassette & Ceiling
			Operation Mode Selection Switch	MCM-C200	-	DVM S Series (Except HR Models)
	Interface Module	External Contact	MTFC (Multi Tenant Function Controller)	MIM-B14	MIM-B14	
			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	
		Zone Control Package (Zone Controller & Relay)	MWR-Z500N	MWR-Z500	Duct S Inverter Models	
	Individual Control System	Controller	Zone Controller	MWR-Z510N	MWR-Z510	Duct S Inverter Models
				MWR-WE11N		360 CST air folw display
		Wired Remote Controller	MWR-WE10N	MWR-WE10	Cassette, Duct & Ceiling	
			MWR-WW00N		DVM S Hydro Unit	
		Wired Remote Controller	MCM-A00N		For DVM chiller	
			MWR-TH01		Cassette, Duct & Ceiling	
		Wired Remote Controller		MWR-WH00	Connect Wire length : 10m (SEC)	
				MWR-WH02	Connect Wire length : 3m (SSEC)	
		Simplified wired Remote Controller	MWR-SH10N		Touch controller, Built in Temperature sensor	
			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				
	MR-DC00 MR-DH00					
Wireless Remote Controller	MR-AC01 MR-AH01		Cassette, Duct & Ceiling			
	AR-KH03E					
Wi-Fi Kit	MIM-H03N	MIM-H03 MIM-H03R (*)				
RAC Extension Board		MIM-A00	For connecting wired remote controller and external contact interface module			
Wireless Signal Receiver package (With Receiver wire)	MRK-A10N	MRK-A10N	DVM S Series (for Ducted indoor unit) Single Global Duct			
	MRK-A00 MRW-10A		Duct (Wireless remote controller)			
Sensor	External Room Sensor	MRW-TA	MRW-TA			
	External Room Sensor	MRW-TS	MRW-TS	For Zone Controller		
	ERV CO2 Sensor	MOS-C1	MOS-C1			
Test Run Tool	S-Converter (S-NET Pro)	MIM-C02N	MIM-C02N	Converter for communication with PC		
	S-Checker	MIM-C10N	-	Connection with mobile device		

CONTROL SYSTEM

Accessories

CLASSIFICATION	IMAGE	MODEL		APPLICATION
		DVM S (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(11.2/14.0 kW)
		MDP-M075SGU3D	MDP-M075SGU3	M.S.P Duct(5.6/7.1 kW)
		MDP-N047SNC0D		Fresh Air Intake 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	Global Duct (External Type)
	-	MDP-G075SQ	Global Duct (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)
Humidifier		MVO-VA050100	-	500 CMH (ERV Plus)
		MVO-VA100100	-	1,000 CMH (ERV Plus)
4 Way Cassette Front Panel		PC4NUDMAN	PC4NUDMAN	NASA, Square
		PC4NBDMAN	PC4NBDMAN	NASA, Square - Black
		PC4NUNMAN	PC4NUNMAN	NASA, Circle (Exposed installation)
		PC4NBNMAN	PC4NBNMAN	NASA, Circle (Exposed installation) - Black
4 Way Cassette Front Panel		PC4NUFMAN	PC4NUFMAN	NASA, Windfree
		PC4NUSKAN	PC4NUSKA (Korea) PC4NUSMA (China)	4Way Cassette S - Waffl
		PC4NUSKEN	PC4NUSKE (Korea) PC4NUSME (China)	4Way Cassette S - Classic
		PC4NUSKFN		4Way Cassette S - Classic (North America)
4 Way Cassette (600 x 600) Front Panel		PC4NBSKAN	PC4NBSKA	4Way Cassette S - Black
		-	P4SMA	4Way Cassette
4 Way Cassette (600 x 600) Front Panel		PC4SUSMAN	PC4SUSMB	4Way Cassette S (600x600) -Waffl
		PC4SUSMEN	PC4SUSMF	4Way Cassette S (600x600) -Classic
1 Way Cassette Front Panel		PC1MWSKAN, PC1NWSMAN, PC1BWSMAN	-	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)
		PC1NWFMAN, PC1BWFMAN	-	1Way Windfree
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)

CONTROL SYSTEM

Accessories

Classification	Image	Model	APPLICATION
Y- joint		MXJ-YA1509M	15.0 kW and below
		MXJ-YA2512M	Over 15.0 kW ~ 40.0 kW and below
		MXJ-YA2812M	Over 40.0 kW ~ 45.0 kW and below
		MXJ-YA2815M	Over 45.0 kW ~ 70.3 kW and below
		MXJ-YA3419M	Over 70.3 kW ~ 98.4 kW and below
		MXJ-YA4119M	Over 98.4 kW ~ 135.2 kW and below
		MXJ-YA4422M	Over 135.2 kW
Y-Joint (HR Only)		MXJ-YA1500M	22.4 kW and below
		MXJ-YA2500M	Over 22.4 kW ~ 70.3 kW and below
		MXJ-YA3100M	Over 70.3 kW ~ 135.2 kW and below
Y-Joint (Outdoor Unit)		MXJ-YA3800M	Over 135.2 kW
		MXJ-TA3419M	135.2 kW and below
Y-Joint (HR Outdoor Unit)		MXJ-TA4122M	140.2 kW and Over
		MXJ-TA3100M	135.2 kW and below
Distribution Header		MXJ-TA3800M	140.2 kW and Over
		MXJ-HA2512M	45.0 kW and below (for 4 rooms)
		MXJ-HA3115M	70.3 kW and below (for 8 rooms)
MCU		MXJ-HA3819M	Over 70.3 kW ~ 135.2 kW and below (for 8 rooms)
		MCU-S6NEK2N	6 ports, max 61.6kW (~16kW/1port)
		MCU-S4NEK3N	4 ports, max 61.6kW (~16kW/1port)
		MCU-S2NEK2N	2 ports, max 32.0kW (~16kW/1port)
EEV Kit		MCU-S1NEK1N	1 port, max 16.0kW (~16kW/1port)
		MXD-E24K132A	2 Indoor
		MXD-E24K200A	
		MXD-E32K200A	3 Indoor
		MXD-E24K232A	
MXD-E24K300A			
PDM Kit		MXD-E32K224A	1 Indoor
		MXD-E32K300A	
		MEV-E24SA	8-12 HP
MEV-E32SA	14-16 HP		
MXD-A38K2A		18-26 HP	