SAMSUNG

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Air Conditioner Solutions 2018 | 2019

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Samsung

Air Conditioner Solutions

Samsung

Moving with, and ahead of, our customers

Samsung Air Conditioning

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

At Samsung Electronics, we're committed to helping our customers, partners and employees

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

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

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

Overseas Industry Leaders – Global Network

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

SAMSUNG
SEGMENTATION ON THE CONTENT

Table of content

SAMSUNG
Global reference sites

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

Nurol Life
Location: Seyrantepe, Istanbul/Turkey
Total Capacity: Indoor Units - 1411, Outdoor Units - 110

Nurol Life
Location: Seyrantepe, Istanbul/Turkey
Total Capacity: DVM S Eco, Slim Duct, 360 Cassette & 2Way Cassette

Mall of Istanbul
Location: Istanbul, Turkey
Total Capacity: 2,080 HP
Products: DVM Plus IV, Slim Duct

Otonomi
Location: Ankara, Turkey
Total Capacity: 3,840 HP
Products: DVM S, Mini 4-Way Cassette, MSP Duct

The Hilton Dead Sea Resort
Location: Dead Sea, Jordan
Total Capacity: 1,320 HP
Products: DVM PLUS IV HR, AHU, Duct, Ceiling

SBG Plaza
Location: Muscat, Oman
Total Capacity: 4,625 HP
Products: DVM + 3 High Ambient, Duct 4-Way Cassette

Tianqi International Building
Location: China
Total Capacity: DVM S - 4000 HP

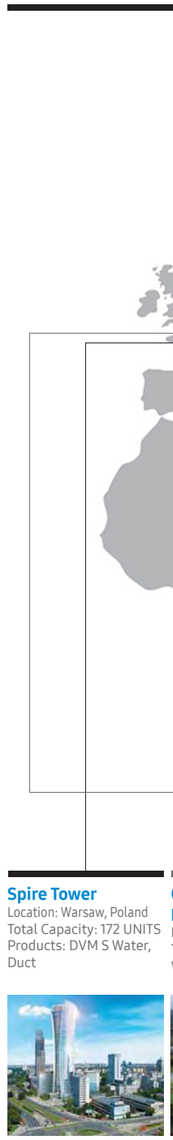
Qingdao Berlin New City Tower
Location: Changjiang dong Street, Qingdao City
Total Capacity: DVM S - 3022 HP

Changsha Greenland Plaza
Location: Changsha, Hunan Province
Total Capacity: 4,320 HP
Products: DVM S Cassette & Duct

Chungmu Hospital
Location: South Korea
Products: 10 units DVM Chiller

Lotte Premium Outlet
Location: Gyeong-gi, korea
Total Capacity: 6500 HP

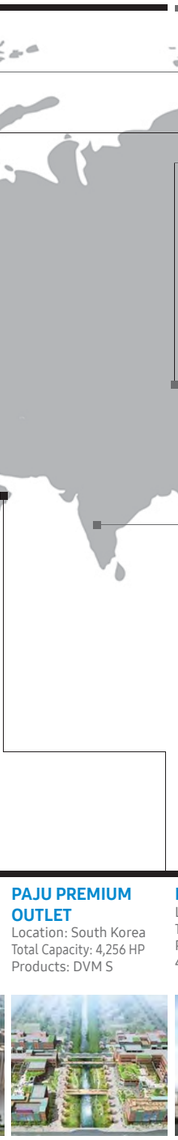
Panama Business Tower
Location: Panama city, Panama
Total Capacity: DVM S - 2334 HP



Spire Tower
Location: Warsaw, Poland
Total Capacity: 172 UNITS
Products: DVM S Water, Duct

Olympique Lyonnais Football Stadium
Location: Lyon, France
Total Capacity: DVM S Water - 36EA

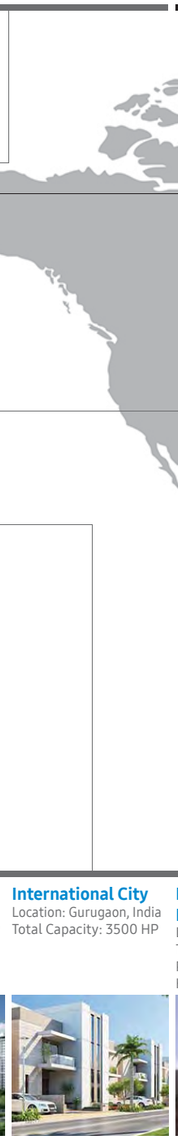
AJMAN One
Location: Ajman, UAE
Products: CAC - 6,754 UNITS



PAJU PREMIUM OUTLET
Location: South Korea
Total Capacity: 4,256 HP
Products: DVM S

Braka Nuclear Power Plant & Village
Location: Braka, UAE
Total Capacity: 30,000 HP
Products: DVM Plus 3 High, CAC, RAC, 4-Way Cassette, MSP Duct, Wall Mounted, AHU

EON Hadapsar Yoo
Location: Pune in India
Total Capacity: 4,500 HP
Products: DVM S 1-Way Cassette



International City
Location: Gurugaon, India
Total Capacity: 3500 HP

DLF Park Tower, Park Height
Location: Gurgaon, India
Total Capacity: 15,000 HP
Products: DVM Plus 3 High, RAC, 4-Way Cassette

Hospital Oncologico
Location: Puerto Rico, San Juan
Products: 15 Units & Others

Edificio Motreal
Location: Brasil, San Paulo
Total Capacity: 2,000 HP
Products:DVM S-2000 HP, 4-Way Cassette

Assemblia do Para
Location: Brasil, San Paulo
Products: 142 units & others

SAMSUNG
South East Asia Reference Site

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

STAR CITY ZONE C
Location: Myanmar
Total Capacity: 1,120 HP
Products: DVM S, FJM, RAC

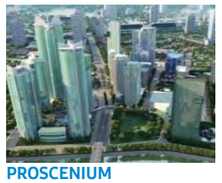
BITEXCO FINANCIAL TOWER
Location: Ho Chi Minh City, Vietnam
Total Capacity: 500 HP
Products: DVM S

LONG THANH PLAZA
Location: Vietnam
Total Capacity: 1,738 HP
Products: DVM S & RAC

PUB WATER HUB
Location: Singapore
Total Capacity: 1,730 HP
Products: DVM S

ARTHALAND CENTURY PACIFIC TOWER
Location: Philippines
Total Capacity: 2,520 HP
Products: DVM S, RAC & CAC

MAYFLOWER BPO
Location: Philippines
Total Capacity: 6,760 HP
Products: DVM S



PROSCENIUM
Location: Philippines
Total Capacity: 2,518 HP
Products: DVM S ECO, FJM

NEWSTEAD TOWER
Location: Australia
Total Capacity: 1,195 HP
Products: CAC

PLATINUM MALL
Location: Thailand
Total Capacity: 4,811 HP
Products: DVM S

MILLESIME HOTEL
Location: Malaysia
Total Capacity: 880 HP
Products: DVM S & CAC

AVANI SEPANG GOLD COAST
Location: Malaysia
Total Capacity: 2,772 HP
Products: DVM S & FJM

STAR RESIDENCES
Location: Malaysia
Total Capacity: 9,500 HP
Products: DVM S, CAC, FJM

GOLD COAST
Location: Indonesia
Total Capacity: 2,786 HP
Products: DVM S

CIPUTRA TOWER 3,4 & 5
Location: Indonesia
Total Capacity: 2,441 HP
Products: DVM S, FJM, RAC

RASUNA TOWER
Location: Indonesia
Total Capacity: 5,736 HP
Products: DVM S

ST LEONARD
Location: Australia
Total Capacity: 454 HP
Products: DVM S HR

Samsung
system air conditioners

PRODUCT LINE-UP

SAMSUNG
Product Types

VRF (AIR COOLED)

DVM S

DVM S Eco

VRF (WATER COOLED)

DVM S Water

MODULAR CHILLER

DVM S Chiller

WALL MOUNTED TYPE

AR5000

Boracay

CONSOLE TYPE

Console

CASSETTE TYPE

360 Cassette

4 Way Mini Wind-Free

4 Way Wind-Free

4 Way Cassette Mini

4 Way Cassette

1 Way Cassette Wind-Free

2 Way Cassette

CEILING TYPE

Ceiling

Big Ceiling

FLOOR STANDING TYPE

Concealed

DUCT TYPE

HSP Duct

MSP Duct

LSP Duct

OAP Duct

HYDRO (HOT WATER)

50°C

80°C

VENTILATION UNIT

ERV Plus

ERV

Samsung
system air conditioners

VRF (DVM S)

DVM S

World's Largest Single Module

30HP

DVM S
COMBINATION TABLE

STANDARD COMBINATION

System Model													
Module \ Single		No. of Modules	Capacity of Single Unit (HP)										
			8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP	22 HP	24 HP	26 HP	28 HP	30 HP
8 HP	AM080JXVAGH	1	1											
10 HP	AM100JXVAGH	1		1										
12 HP	AM120JXVAGH	1			1									
14 HP	AM140KXVAGH	1				1								
16 HP	AM160KXVAGH	1					1							
18 HP	AM180KXVAGH	1						1						
20 HP	AM200KXVAGH	1							1					
22 HP	AM220KXVAGH	1								1				
24 HP	AM240KXVAGH	1									1			
26 HP	AM260KXVAGH	1										1		
28 HP	AM280KXVAGH	1											1	
30 HP	AM300KXVAGH	1												1
32 HP	AM320KXVAGH	2		1						1				
34 HP	AM340KXVAGH	2			1					1				
36 HP	AM360KXVAGH	2				1				1				
38 HP	AM380KXVAGH	2					1			1				
40 HP	AM400KXVAGH	2						1		1				
42 HP	AM420KXVAGH	2							1	1				
44 HP	AM440KXVAGH	2								2				
46 HP	AM460KXVAGH	2					1							1
48 HP	AM480KXVAGH	2						1						1
50 HP	AM500KXVAGH	2							1					1
52 HP	AM520KXVAGH	2								1				1
54 HP	AM540KXVAGH	2									1			1
56 HP	AM560KXVAGH	2										1		1
58 HP	AM580KXVAGH	2											1	1
60 HP	AM600KXVAGH	2												2
62 HP	AM620KXVAGH	3		1						1				1
64 HP	AM640KXVAGH	3			1					1				1
66 HP	AM660KXVAGH	3				1				1				1
68 HP	AM680KXVAGH	3					1			1				1
70 HP	AM700KXVAGH	3						1		1				1
72 HP	AM720KXVAGH	3							1	1				1
74 HP	AM740KXVAGH	3								2				1
76 HP	AM760KXVAGH	3								1	1			1
78 HP	AM780KXVAGH	3								1		1		1
80 HP	AM800KXVAGH	3								1			1	1
82 HP	AM820KXVAGH	3								1				2
84 HP	AM840KXVAGH	3									1			2
86 HP	AM860KXVAGH	3										1		2
88 HP	AM880KXVAGH	3											1	2
90 HP	AM900KXVAGH	3												3

DVM S

OUTDOOR UNITS

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.

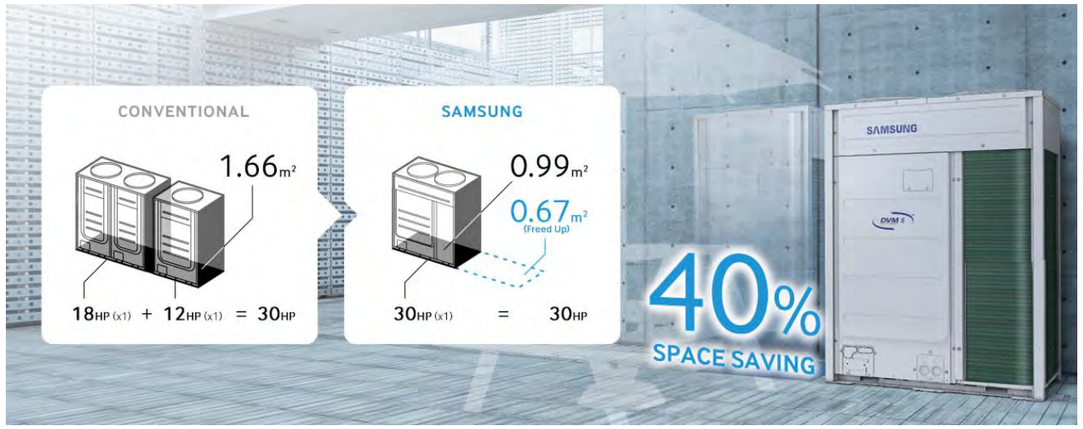
DVM S
THE WORLD'S LARGEST CAPACITY

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

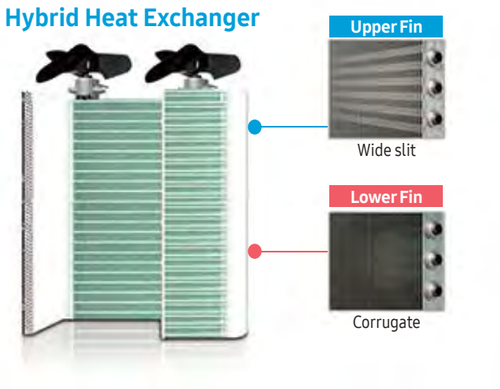
Its compact size leaves you plenty of extra space that can be used for other purposes without compromising on performance thanks to its highly efficient Inverter Scroll Compressor and Hybrid heat exchanger.



DVM S
SMART EFFICIENCY

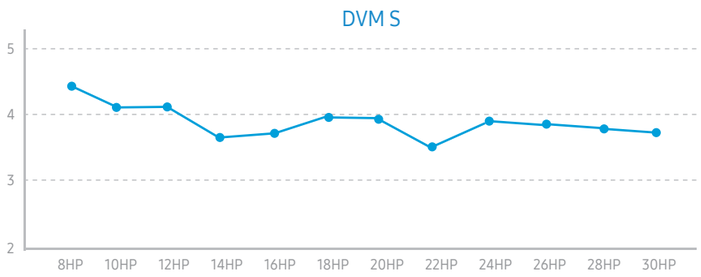
Excellent cooling performance and high energy efficiency

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.



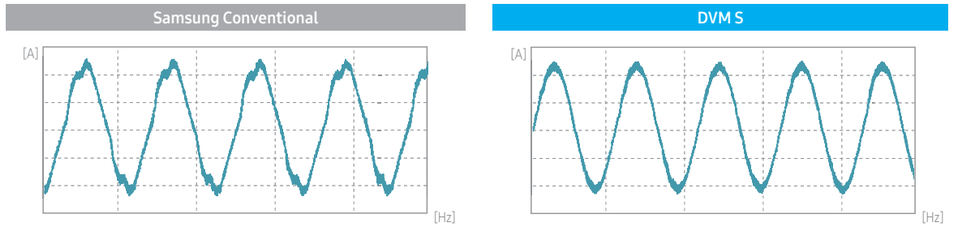
Class leading energy

DVM S has achieved a class-leading Coefficient of Performance (COP) of up to 4.48* 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

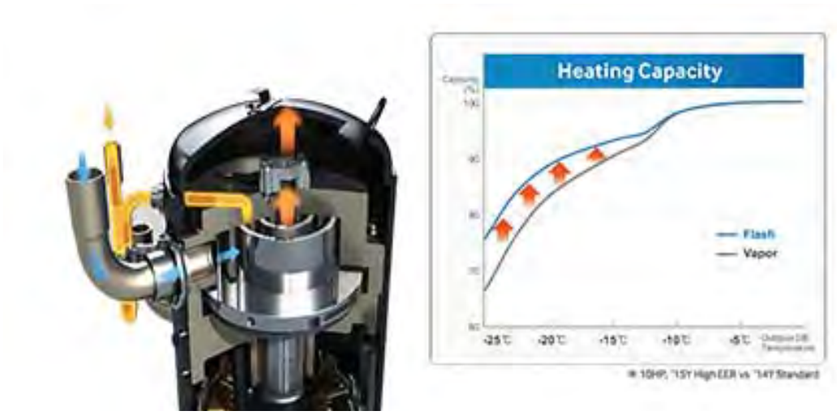
Thanks to the small opening on the outdoor unit, checking the outdoor status and setting option is easy, because users don't need to remove the entire front cover.

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

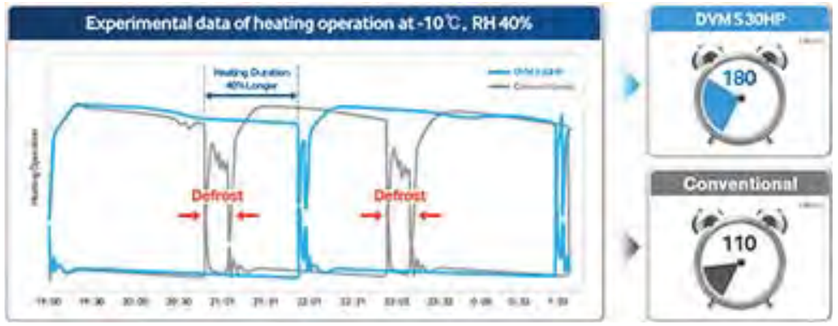
Featuring advanced refrigerant control technology, Samsung's flash injection extends heating operation range at -25°C by increasing ref. flow by 32%. And at even lower temperatures, it continues to perform, delivering reliable comfort in frigid conditions.



DVM S
IMPROVED HEATING PERFORMANCE AND HIGH ENERGY EFFICIENCY

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.

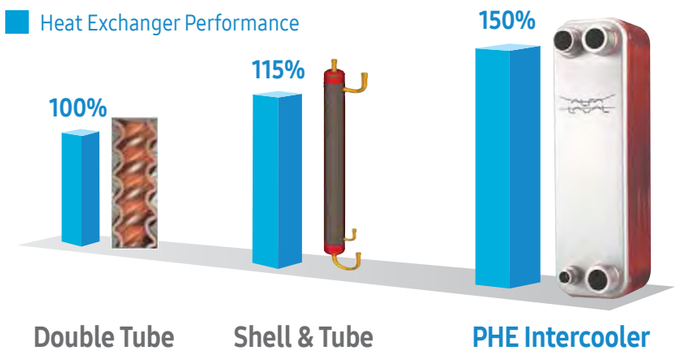


Maintain optimal comfort and control with energy and cost-efficient technologies

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.

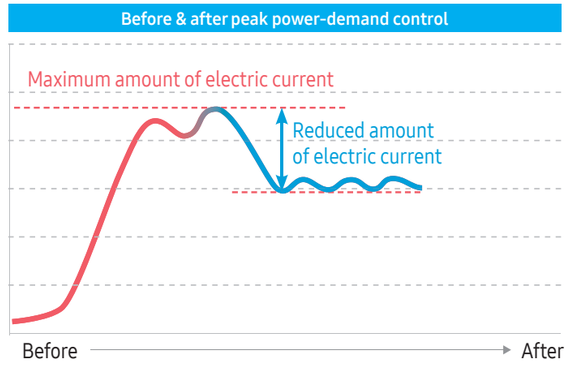


DVM S
FLEXIBLE INSTALLATION

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.

Less Energy Consumption

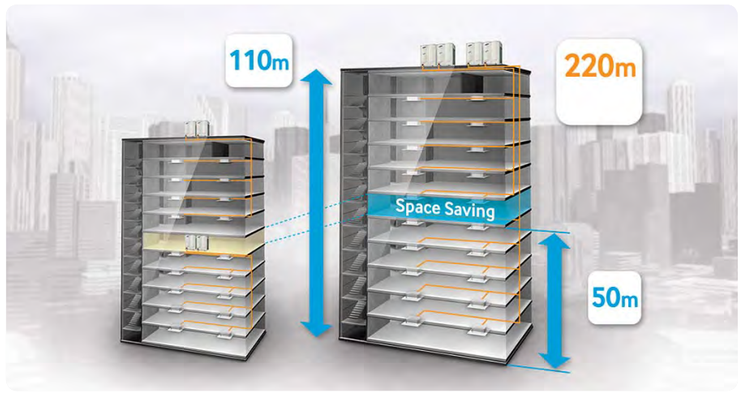


Reduce expenses with installation designed to be easy and flexible

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

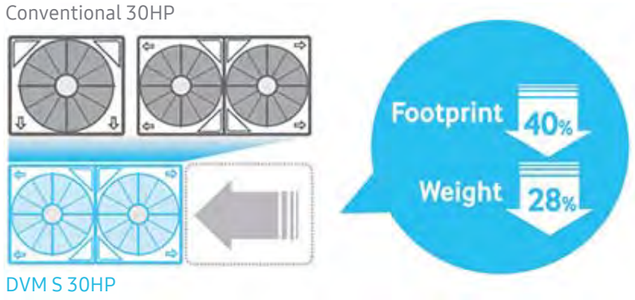
DVM S provides extended piping length of up to 220m (721.79 ft.) and installation height of up to 110m (360.89 ft.), offering businesses more installation options. The piping distance is far between outdoor and indoor units, so individual indoor units perform capacity connection control and automatic refrigerant equalization for more balanced performance between units.



DVM S
FLEXIBLE INSTALLATION

Smaller footprint and lighter weight

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

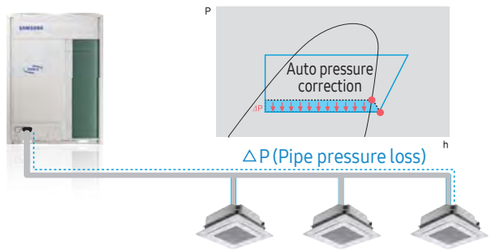


Easy and safe wiring

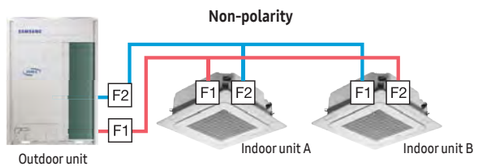
Non-polar communication between indoor and outdoor units makes wiring work much easier. This is also safer since the outdoor unit will protect itself in case the communication cable is connected to a power terminal by mistake.

Optimized refrigerant distribution control

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



Normal operation is possible even when communication cables are not connected correctly



DVM S
CORE TECHNOLOGY

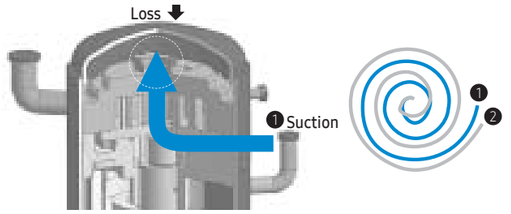
Samsung is dedicated to supporting comfortable living and working environments based on the strength of its technologies. With its robust design, DVM S delivers the reliability and durability that users need to ensure consistent performance at all times.

Asymmetric Scroll Design

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

DVM S

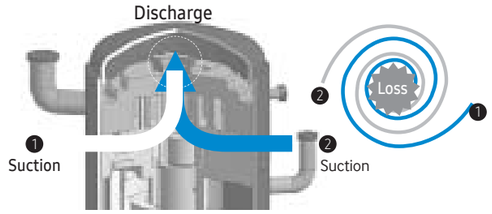
Sequential compressing



* No friction loss in the compressor, thanks to sequential suction and discharge.

Samsung Conventional

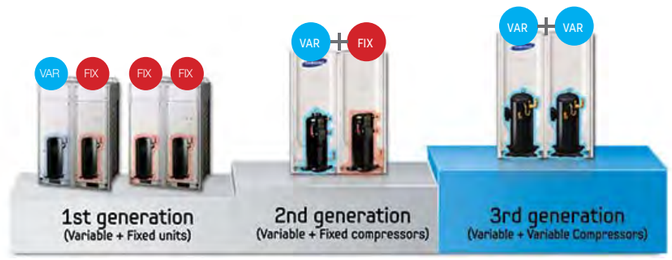
Contradictory compressing



* Suction from two different sides and discharge through one can cause collision of refrigerant gas which results in friction loss in the compressor.

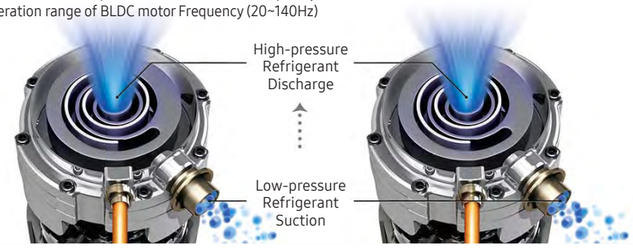
Dual Smart Inverter (DSI) System

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



DDI System

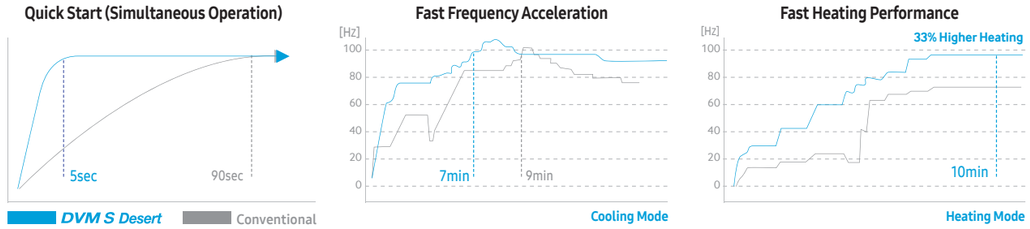
- Dual Digital Inverter Compressor
- 3rd Generation Vapor Injection
- Wider operation range of BLDC motor Frequency (20~140Hz)



DVM S
CORE TECHNOLOGY & SMART OPERATION

Quick Cooling and Heating

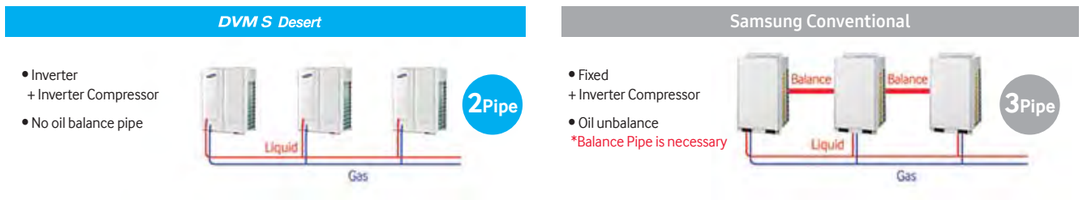
With compressor speed acceleration and simultaneous starting, DVM S provides quick cooling and heating performance.



* Based on Samsung lab test

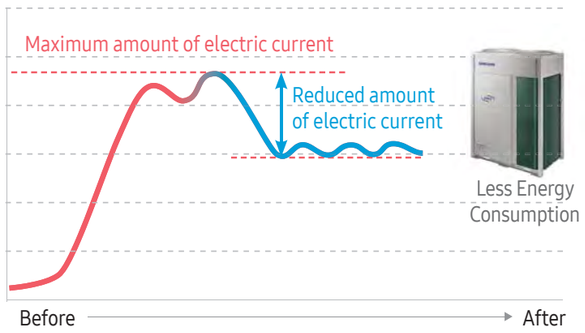
Auto Oil Balancing

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



Peak power-demand control

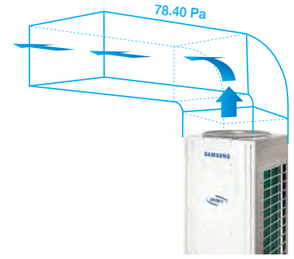
To help businesses better manage power consumption and related costs, DVM S can control peak current and power consumption. This is especially useful when electric supply is not enough or when you want to block excessive energy usage.



DVM S
SMART OPERATION

High external static pressure

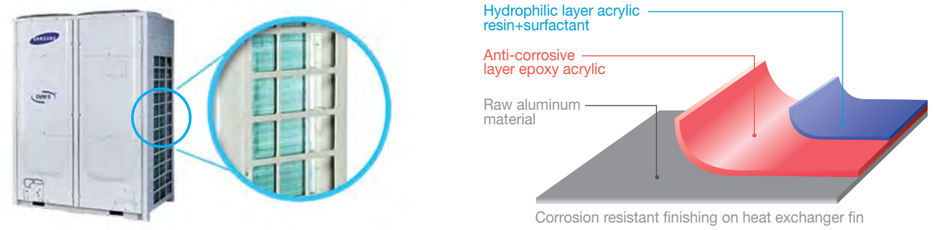
To properly deal with unexpected and varying installation conditions, DVM S is designed to manage high external static pressures up to 78.40pa.



Corrosion and frost resistance

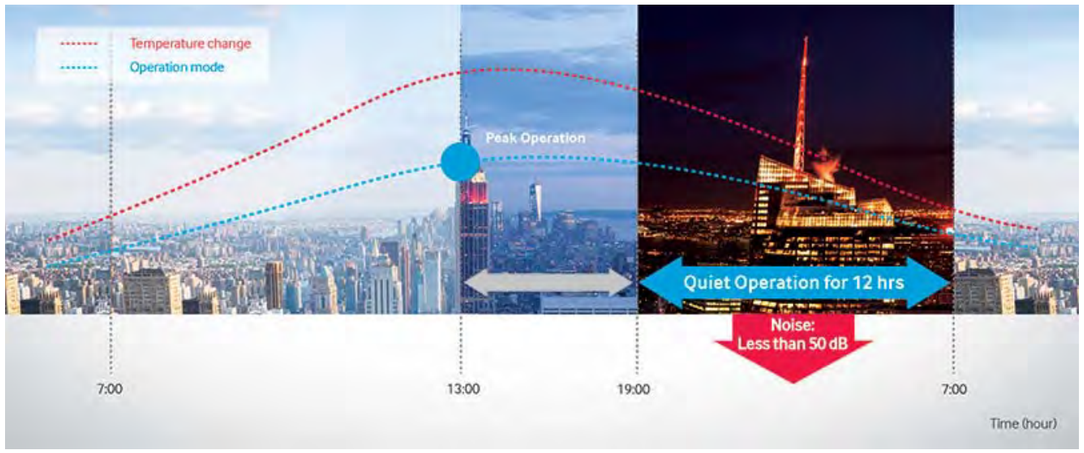
DVM S includes a hydrophilic coating that facilitates efficient heat exchange and delays the onset of frost formation to provide consistent heating performance. An anti-corrosive coating also helps the units to resist corrosion from the elements.

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



Quiet operation for night time

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



DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM080JXVAGH	AM100JXVAGH	AM120JXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	8	10	12
	Cooling*1 [kW]	22.40	28.00	33.60
	Cooling*1 [Btu/hr]	76,400	95,500	114,600
	Cooling*2 [kW]	23.12	28.90	34.46
	Cooling*2 [Btu/hr]	78,900	98,600	117,600
	Heating [kW]	25.20	31.50	37.80
	Heating [Btu/hr]	86,000	107,500	129,000
Power Input (Nominal)	Cooling [kW]	5.00	6.85	8.16
	Heating [kW]	5.10	6.65	8.03
Current Input (Nominal)	Cooling [A]	8.00	11.00	13.10
	Heating [A]	8.20	10.70	12.90
	MCA [A]	18.00	21.10	25.00
	MFA [A]	25.00	32.00	32.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	4.48	4.09	4.12
	COP (Nominal Heating) [kW/kW]	4.94	4.74	4.71
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1
	Output [kW x n]	(4.39 x 1)	(6.39 x 1)	(6.39 x 1)
	Model Name	DS-GA046FAVADO x 1	DS-GB066FAVB x 1	DS-GB066FAVB x 1
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(830.00 x 1)	(830.00 x 1)	(830.00 x 1)
	Air Flow Rate [CMM]	(170.00 x 1)	(170.00 x 1)	(220.00 x 1)
	Air Flow Rate [l/s]	(2,833.30 x 1)	(2,833.30 x 1)	(3,666.70 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	12.70
	Liquid Pipe [Ø, inch]	3/8"	3/8"	1/2"
	Gas Pipe [Ø, mm]	19.05	22.22	28.58
	Gas Pipe [Ø, inch]	3/4"	7/8"	1-1/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	5.5	5.5	6.5
Sound	Sound Pressure [dB(A)]	57	58	62
	Sound Power [dB(A)]	77	79	81
External Dimension (Outdoor Unit)	Net Weight [kg]	186.0	197.0	210.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM140KXVAGH	AM160KXVAGH	AM180KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	14	16	18
	Cooling*1 [kW]	40.00	45.00	50.40
	Cooling*1 [Btu/hr]	136,500	153,500	172,000
	Cooling*2 [kW]	41.03	46.42	51.99
	Cooling*2 [Btu/hr]	140,000	158,400	177,400
	Heating [kW]	45.00	50.40	56.70
	Heating [Btu/hr]	153,500	172,000	193,500
Power Input (Nominal)	Cooling [kW]	10.93	12.10	12.60
	Heating [kW]	10.16	11.61	11.91
Current Input (Nominal)	Cooling [A]	17.50	19.40	20.20
	Heating [A]	16.30	18.60	19.10
	MCA [A]	25.00	32.00	39.20
	MFA [A]	32.00	40.00	50.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.66	3.72	4.00
	COP (Nominal Heating) [kW/kW]	4.43	4.34	4.76
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1
	Output [kW x n]	(6.39 x 1)	(7.81 x 1)	(7.81 x 1)
	Model Name	DS-GB066FAVB x 1	DS4GJ5080FVA x 1	DS4GJ5080FVA x 1
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2)	(620.00 x 2)	(620.00 x 2)
	Air Flow Rate [CMM]	(255.00 x 1)	(255.00 x 1)	(290.00 x 1)
	Air Flow Rate [l/s]	(4,250.00 x 1)	(4,250.00 x 1)	(4,833.30 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	12.70	12.70	15.88
	Liquid Pipe [Ø, inch]	1/2"	1/2"	5/8"
	Gas Pipe [Ø, mm]	28.58	28.58	28.58
	Gas Pipe [Ø, inch]	1-1/8"	1-1/8"	1-1/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	7.7	8.4	8.4
Sound	Sound Pressure [dB(A)]	61	63	64
	Sound Power [dB(A)]	81	83	84
External Dimension (Outdoor Unit)	Net Weight [kg]	226.0	253.0	255.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP


DVM S

Model Code		AM200KXVAGH	AM220KXVAGH	AM240KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	20	22	24
	Cooling*1 [kW]	56.00	61.60	67.20
	Cooling*1 [Btu/hr]	191,100	210,200	229,300
	Cooling*2 [kW]	57.76	63.18	69.31
	Cooling*2 [Btu/hr]	197,100	215,600	236,500
	Heating [kW]	63.00	69.30	75.60
	Heating [Btu/hr]	215,000	236,500	258,000
Power Input (Nominal)	Cooling [kW]	14.18	17.35	17.10
	Heating [kW]	13.91	16.70	17.42
Current Input (Nominal)	Cooling [A]	22.70	27.80	27.40
	Heating [A]	22.30	26.80	27.90
	MCA [A]	42.00	44.60	55.00
	MFA [A]	75.00	75.00	75.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.95	3.55	3.93
	COP (Nominal Heating) [kW/kW]	4.53	4.15	4.34
Compressor	Type	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
	Output [kW x n]	(5.18 x 2)	(6.39 x 2)	(6.39 x 2)
	Model Name	DS-GB052FAVB x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2)	(620.00 x 2)	(620.00 x 2)
	Air Flow Rate [CMM]	(290.00 x 1)	(290.00 x 1)	(340.00 x 1)
	Air Flow Rate [l/s]	(4,833.30 x 1)	(4,833.30 x 1)	(5,666.67 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.45
Piping Connections	Liquid Pipe [Ø, mm]	15.88	15.88	15.88
	Liquid Pipe [Ø, inch]	5/8"	5/8"	5/8"
	Gas Pipe [Ø, mm]	28.58	28.58	34.92
	Gas Pipe [Ø, inch]	1-1/8"	1-1/8"	1-3/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	8.4	8.4	12.5
Sound	Sound Pressure [dB(A)]	65	65	66
	Sound Power [dB(A)]	87	89	89
External Dimension (Outdoor Unit)	Net Weight [kg]	277.0	285.0	333.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,795 x 765
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM260KXVAGH	AM280KXVAGH	AM300KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	26	28	30
	Cooling*1 [kW]	72.80	78.60	84.00
	Cooling*1 [Btu/hr]	248,400	268,200	286,600
	Cooling*2 [kW]	75.08	81.06	86.63
	Cooling*2 [Btu/hr]	256,200	276,600	295,600
	Heating [kW]	81.90	88.20	94.50
	Heating [Btu/hr]	279,500	301,000	322,400
Power Input (Nominal)	Cooling [kW]	18.91	20.68	22.70
	Heating [kW]	18.00	20.18	20.59
Current Input (Nominal)	Cooling [A]	30.30	33.20	36.40
	Heating [A]	28.90	32.40	33.00
	MCA [A]	60.00	67.00	73.00
	MFA [A]	75.00	75.00	80.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.85	3.80	3.70
	COP (Nominal Heating) [kW/kW]	4.55	4.37	4.59
Compressor	Type	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
	Output [kW x n]	(6.39 x 2)	(6.76 x 2)	(7.81 x 2)
	Model Name	DS-GB066FAVB x 2	DS-GB070FAVA x 2	DS4GJ5080FVA x 2
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2)	(620.00 x 2)	(620.00 x 2)
	Air Flow Rate [CMM]	(340.00 x 1)	(340.00 x 1)	(340.00 x 1)
	Air Flow Rate [l/s]	(5,666.67 x 1)	(5,666.67 x 1)	(5,666.67 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	34.92	34.92	34.92
	Gas Pipe [Ø, inch]	1-3/8"	1-3/8"	1-3/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	12.5	14.0	14.0
Sound	Sound Pressure [dB(A)]	66	69	69
	Sound Power [dB(A)]	89	90	90
External Dimension (Outdoor Unit)	Net Weight [kg]	333.0	342.0	350.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM320KXVAGH	AM340KXVAGH	AM360KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	32	34	36
	Cooling*1 [kW]	89.60	95.20	101.60
	Cooling*1 [Btu/hr]	305,700	324,800	346,700
	Cooling*2 [kW]	92.05	97.62	104.18
	Cooling*2 [Btu/hr]	314,100	333,100	355,500
	Heating [kW]	100.80	107.10	114.30
	Heating [Btu/hr]	343,900	365,400	390,000
Power Input (Nominal)	Cooling [kW]	24.20	25.51	28.28
	Heating [kW]	23.35	24.73	26.86
Current Input (Nominal)	Cooling [A]	38.80	40.90	45.30
	Heating [A]	37.50	39.70	43.10
	MCA [A]	65.70	69.60	69.60
	MFA [A]	90.00	90.00	90.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.70	3.73	3.59
	COP (Nominal Heating) [kW/kW]	4.32	4.33	4.26
Compressor	Type	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3
	Output [kW x n]	(6.39 x 1) + (6.39 x 2)	(6.39 x 1) + (6.39 x 2)	(6.39 x 1) + (6.39 x 2)
	Model Name	DS-GB066FAVB x 3	DS-GB066FAVB x 3	DS-GB066FAVB x 3
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) + (830.00 x 1)	(620.00 x 2) + (830.00 x 1)	(620.00 x 4)
	Air Flow Rate [CMM]	(290.00 x 1) + (170.00 x 1)	(290.00 x 1) + (220.00 x 1)	(290.00 x 1) + (255.00 x 1)
	Air Flow Rate [l/s]	(4,833.33 x 1) + (2,833.33 x 1)	(4,833.33 x 1) + (3,666.70 x 1)	(4,833.33 x 1) + (4,250.00 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	34.92	34.92	41.28
	Gas Pipe [Ø, inch]	1-3/8"	1-3/8"	1-5/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	13.9	14.9	16.1
Sound	Sound Pressure [dB(A)]	66	67	66
	Sound Power [dB(A)]	89	90	90
External Dimension (Outdoor Unit)	Net Weight [kg]	285.0 + 197.0	285.0 + 210.0	285.0 + 266.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) + (880 x 1,695 x 765)	(1,295 x 1,695 x 765) + (880 x 1,695 x 765)	(1,295 x 1,695 x 765) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM380KXVAGH	AM400KXVAGH	AM420KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	38	40	42
	Cooling*1 [kW]	106.60	112.00	117.60
	Cooling*1 [Btu/hr]	363,700	382,200	401,300
	Cooling*2 [kW]	109.57	115.14	120.92
	Cooling*2 [Btu/hr]	373,900	392,900	412,600
	Heating [kW]	119.70	126.00	132.30
	Heating [Btu/hr]	408,400	429,900	451,400
Power Input (Nominal)	Cooling [kW]	29.45	29.95	31.53
	Heating [kW]	28.31	28.61	30.61
Current Input (Nominal)	Cooling [A]	47.20	48.00	50.50
	Heating [A]	45.40	45.90	49.10
	MCA [A]	76.60	83.80	86.60
	MFA [A]	90.00	100.00	100.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.62	3.74	3.73
	COP (Nominal Heating) [kW/kW]	4.23	4.40	4.32
Compressor	Type	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4
	Output [kW x n]	(6.39 x 2) + (7.81 x 1)	(6.39 x 2) + (7.81 x 1)	(6.39 x 2) + (5.18 x 2)
	Model Name	(DS4GJ5080FVA x 1) + (DS-GB066FAVB x 2)	(DS4GJ5080FVA x 1) + (DS-GB066FAVB x 2)	(DS-GB052FAVB x 2) + (DS-GB066FAVB x 2)
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 4)	(620.00 x 4)	(620.00 x 4)
	Air Flow Rate [CMM]	(255.00 x 1) + (290.00 x 1)	(290.00 x 2)	(290.00 x 2)
	Air Flow Rate [l/s]	(4,833.33 x 1) + (4,250.00 x 1)	(4,833.33 x 2)	(4,833.33 x 2)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1-5/8"	1-5/8"	1-5/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	16.8	16.8	16.8
Sound	Sound Pressure [dB(A)]	67	68	68
	Sound Power [dB(A)]	90	92	92
External Dimension (Outdoor Unit)	Net Weight [kg]	285.0 + 253.0	285.0 + 255.0	285.0 + 277.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM440KXVAGH	AM460KXVAGH	AM480KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	44	46	48
	Cooling*1 [kW]	123.20	129.00	134.40
	Cooling*1 [Btu/hr]	420,400	440,200	458,600
	Cooling*2 [kW]	126.34	133.02	138.62
	Cooling*2 [Btu/hr]	431,100	453,900	473,000
	Heating [kW]	138.60	144.90	151.20
	Heating [Btu/hr]	472,900	494,400	515,900
Power Input (Nominal)	Cooling [kW]	34.70	34.80	35.30
	Heating [kW]	33.40	32.20	32.50
Current Input (Nominal)	Cooling [A]	55.60	55.80	56.60
	Heating [A]	53.60	51.60	52.10
	MCA [A]	89.20	105.00	112.20
	MFA [A]	100.00	125.00	125.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.55	3.71	3.81
	COP (Nominal Heating) [kW/kW]	4.15	4.50	4.65
Compressor	Type	SSC Scroll x 4	SSC Scroll x 3	SSC Scroll x 3
	Output [kW x n]	(6.39 x 4)	(7.81 x 1) + (7.81 x 2)	(7.81 x 1) + (7.81 x 2)
	Model Name	DS-GB066FAVB x 4	DS4GJ5080FVA x 3	DS4GJ5080FVA x 3
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 2	(620.00 x 2) x 2	(620.00 x 2) x 2
	Air Flow Rate [CMM]	(290.00 x 2)	(255.00 x 1) + (340.00 x 1)	(290.00 x 1) + (340.00 x 1)
	Air Flow Rate [l/s]	(4,833.33 x 2)	(4,250.00 x 1) + (5,666.70 x 1)	(4,833.30 x 1) + (5,666.70 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1-5/8"	1-5/8"	1-5/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	16.8	22.4	22.4
Sound	Sound Pressure [dB(A)]	68	70	70
	Sound Power [dB(A)]	92	91	93
External Dimension (Outdoor Unit)	Net Weight [kg]	285.0 x 2	253.0 + 350.0	255.0 + 350.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM500KXVAGH	AM520KXVAGH	AM540KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	50	52	54
	Cooling*1 [kW]	140.00	145.60	151.20
	Cooling*1 [Btu/hr]	477,700	496,800	515,900
	Cooling*2 [kW]	144.39	149.78	155.94
	Cooling*2 [Btu/hr]	492,700	511,100	532,100
	Heating [kW]	157.50	163.80	170.10
	Heating [Btu/hr]	537,400	558,900	580,400
Power Input (Nominal)	Cooling [kW]	36.88	40.05	39.80
	Heating [kW]	34.50	37.29	38.01
Current Input (Nominal)	Cooling [A]	59.10	64.20	63.80
	Heating [A]	55.30	59.80	60.90
	MCA [A]	115.00	117.60	128.00
	MFA [A]	150.00	150.00	150.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.80	3.64	3.80
	COP (Nominal Heating) [kW/kW]	4.57	4.39	4.48
Compressor	Type	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
	Output [kW x n]	(5.18 x 2) + (7.81 x 2)	(6.39 x 2) + (7.81 x 2)	(6.39 x 2) + (7.81 x 2)
	Model Name	(DS-GB052FAVB x 2) + (DS4GJ5080FVA x 2)	(DS-GB066FAVB x 2) + (DS4GJ5080FVA x 2)	(DS-GB066FAVB x 2) + (DS4GJ5080FVA x 2)
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 2	(620.00 x 2) x 2	(620.00 x 2) x 2
	Air Flow Rate [CMM]	(290.00 x 1) + (340.00 x 1)	(290.00 x 1) + (340.00 x 1)	(340.00 x 2)
	Air Flow Rate [l/s]	(4,833.30 x 1) + (5,666.70 x 1)	(4,833.30 x 1) + (5,666.70 x 1)	(5,666.70 x 2)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1-5/8"	1-5/8"	1-5/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	22.4	22.4	26.5
Sound	Sound Pressure [dB(A)]	70	70	71
	Sound Power [dB(A)]	93	93	93
External Dimension (Outdoor Unit)	Net Weight [kg]	277.0 + 350.0	285.0 + 350.0	333.0 + 350.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(1,295 x 1,795 x 765) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM560KXVAGH	AM580KXVAGH	AM600KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	56	58	60
	Cooling*1 [kW]	156.80	162.60	168.00
	Cooling*1 [Btu/hr]	535,000	554,800	573,200
	Cooling*2 [kW]	161.71	167.69	173.26
	Cooling*2 [Btu/hr]	551,800	572,200	591,200
	Heating [kW]	176.40	182.70	189.00
	Heating [Btu/hr]	601,900	623,400	644,900
Power Input (Nominal)	Cooling [kW]	41.61	43.38	45.40
	Heating [kW]	38.59	40.77	41.18
Current Input (Nominal)	Cooling [A]	66.70	69.60	72.80
	Heating [A]	61.90	65.40	66.00
	MCA [A]	133.00	140.00	146.00
	MFA [A]	150.00	175.00	175.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.77	3.75	3.70
	COP (Nominal Heating) [kW/kW]	4.57	4.48	4.59
Compressor	Type	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
	Output [kW x n]	(6.39 x 2) + (7.81 x 2)	(6.76 x 2) + (7.81 x 2)	(7.81 x 2) x 2
	Model Name	(DS-GB066FAVB x 2) + (DS4GJ5080FVA x 2)	(DS-GB070FAVB x 2) + (DS4GJ5080FVA x 2)	DS4GJ5080FVA x 4
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 2	(620.00 x 2) x 2	(620.00 x 2) x 2
	Air Flow Rate [CMM]	(340.00 x 2)	(340.00 x 2)	(340.00 x 2)
	Air Flow Rate [l/s]	(5,666.70 x 2)	(5,666.70 x 2)	(5,666.70 x 2)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1-5/8"	1-5/8"	1-5/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	26.5	28.0	28.0
Sound	Sound Pressure [dB(A)]	71	72	72
	Sound Power [dB(A)]	93	93	93
External Dimension (Outdoor Unit)	Net Weight [kg]	333.0 + 350.0	342.0 + 350.0	350.0 x 2
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM620KXVAGH	AM640KXVAGH	AM660KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	62	64	66
	Cooling*1 [kW]	173.60	179.20	185.60
	Cooling*1 [Btu/hr]	592,300	611,500	633,300
	Cooling*2 [kW]	178.65	184.25	190.81
	Cooling*2 [Btu/hr]	609,600	628,700	651,100
	Heating [kW]	195.30	201.60	208.80
	Heating [Btu/hr]	666,400	687,900	712,500
Power Input (Nominal)	Cooling [kW]	46.90	48.21	50.98
	Heating [kW]	43.94	45.32	47.45
Current Input (Nominal)	Cooling [A]	75.20	77.30	81.70
	Heating [A]	70.50	72.70	76.10
	MCA [A]	138.70	142.60	142.60
	MFA [A]	175.00	175.00	175.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.70	3.72	3.64
	COP (Nominal Heating) [kW/kW]	4.44	4.45	4.40
Compressor	Type	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5
	Output [kW x n]	(6.39 x 2) + (7.81 x 2) + (6.39 x 1)	(6.39 x 2) + (7.81 x 2) + (6.39 x 1)	(6.39) + (6.39 x 2) + (7.81 x 2)
	Model Name	(DS-GB066FAVB x 3) + (DS4GJ5080FVA x 2)	(DS-GB066FAVB x 3) + (DS4GJ5080FVA x 2)	(DS-GB066FAVB x 3) + (DS4GJ5080FVA x 2)
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 2 + (830.00 x 1)	(620.00 x 2) x 2 + (830.00 x 1)	(620.00 x 2) x 3
	Air Flow Rate [CMM]	(290.00 x 1) + (340.00 x 1) + (170.00 x 1)	(290.00 x 1) + (340.00 x 1) + (170.00 x 1)	(255.00 x 1) + (290.00 x 1) + (340.00 x 1)
	Air Flow Rate [l/s]	(4,833.30 x 1) + (5,666.70 x 1) + (2,833.30 x 1)	(4,833.30 x 1) + (5,666.70 x 1) + (2,833.30 x 1)	(4,250.00 x 1) + (4,833.30 + x 1) (5,666.70 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1-5/8"	1-5/8"	1-5/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	27.9	28.9	30.1
Sound	Sound Pressure [dB(A)]	71	71	71
	Sound Power [dB(A)]	93	93	93
External Dimension (Outdoor Unit)	Net Weight [kg]	285.0 + 350.0 + 197.0	285.0 + 350.0 + 210.0	266.0 + 285.0 + 350.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,795 x 765) + (1,295 x ,1,795 x 765) + (880 x 1,695 x 765)	(1,295 x 1,795 x 765) + (1,295 x ,1,795 x 765) + (880 x 1,695 x 765)	(1,295 x 1,695 x 765) x 2 + (1,295 x ,1,795 x 765)
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM680KXVAGH	AM700KXVAGH	AM720KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	68	70	72
	Cooling*1 [kW]	190.60	196.00	201.60
	Cooling*1 [Btu/hr]	650,400	668,800	687,900
	Cooling*2 [kW]	196.20	201.77	207.54
	Cooling*2 [Btu/hr]	669,500	688,500	708,200
	Heating [kW]	214.20	220.50	226.80
	Heating [Btu/hr]	730,900	752,400	773,900
Power Input (Nominal)	Cooling [kW]	52.15	52.65	54.23
	Heating [kW]	48.90	49.20	51.20
Current Input (Nominal)	Cooling [A]	83.60	84.40	86.90
	Heating [A]	78.40	78.90	82.10
	MCA [A]	149.60	156.80	159.60
	MFA [A]	175.00	175.00	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.65	3.72	3.72
	COP (Nominal Heating) [kW/kW]	4.38	4.48	4.43
Compressor	Type	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 6
	Output [kW x n]	(7.81 x 1) + (6.39 x 2) + (7.81 x 2)	(7.81 x 1) + (6.39 x 2) + (7.81 x 2)	(5.18 x 2) + (6.39 x 2) + (7.81 x 2)
	Model Name	(DS4GJ5080FVA x 3) + (GB066FAVB x 2)	(DS4GJ5080FVA x 3) + (GB066FAVB x 2)	(DS-GB052FAVB x 2) + (DS-GB066FAVB x 2) + (DS4GJ5080FVA x 2)
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 3	(620.00 x 2) x 3	(620.00 x 2) x 3
	Air Flow Rate [CMM]	(255.00 x 1) + (290.00 x 1) + (340.00 x 1)	(255.00 x 1) + (290.00 x 1) + (340.00 x 1)	(290.00 x 2) + (340.00 x 1)
	Air Flow Rate [l/s]	(4,250.00 x 1) + (4,833.30 x 1) + (5,666.70 x 1)	(4,833.30 x 2) x 2 + (5,666.70 x 1)	(4,833.30 x 2) x 2 + (5,666.70 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1-5/8"	1-5/8"	1-5/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	30.8	30.8	30.8
Sound	Sound Pressure [dB(A)]	71	71	72
	Sound Power [dB(A)]	93	94	94
External Dimenion (Outdoor Unit)	Net Weight [kg]	253.0 + 285.0 + 372.0	253.0 + 285.0 + 372.0	277.0 + 285.0 + 350.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2 + (1,295 x ,1,795 x 765)	(1,295 x 1,695 x 765) x 2 + (1,295 x ,1,795 x 765)	(1,295 x 1,695 x 765) x 2 + (1,295 x ,1,795 x 765)
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM740KXVAGH	AM760KXVAGH	AM780KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	74	76	78
	Cooling*1 [kW]	207.20	212.80	218.40
	Cooling*1 [Btu/hr]	707,000	726,100	745,200
	Cooling*2 [kW]	212.94	219.09	224.86
	Cooling*2 [Btu/hr]	726,600	747,600	767,300
	Heating [kW]	233.10	239.40	245.70
	Heating [Btu/hr]	795,400	816,900	838,400
Power Input (Nominal)	Cooling [kW]	57.40	57.15	58.96
	Heating [kW]	53.99	54.71	55.29
Current Input (Nominal)	Cooling [A]	92.00	91.60	94.50
	Heating [A]	86.60	87.70	88.70
	MCA [A]	162.20	172.60	177.60
	MFA [A]	200.00	200.00	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.61	3.72	3.70
	COP (Nominal Heating) [kW/kW]	4.32	4.38	4.44
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(6.39 x 2) x 2 + (7.81 x 2)	(6.39 x 2) + (6.39 x 2) + (7.81 x 2)	(6.39 x 2) + (6.39 x 2) + (7.81 x 2)
	Model Name	(DS-GB066FAVB x 4) + (DS4GJ5080FVA x 2)	(DS-GB066FAVB x 4) + (DS4GJ5080FVA x 2)	(DS-GB066FAVB x 4) + (DS4GJ5080FVA x 2)
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 3	(620.00 x 2) x 3	(620.00 x 2) x 3
	Air Flow Rate [CMM]	(290.00 x 2) + (340.00 x 1)	(290.00 x 1) + (340.00 x 2)	(290.00 x 1) + (340.00 x 2)
	Air Flow Rate [l/s]	(4,833.30 x 2) x 2 + (5,666.70 x 1)	(4,833.30 x 1) + (5,666.70 x 2)	(4,833.30 x 1) + (5,666.70 x 2)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2-1/8"	2-1/8"	2-1/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	30.8	34.9	34.9
Sound	Sound Pressure [dB(A)]	72	72	72
	Sound Power [dB(A)]	94	94	94
External Dimension (Outdoor Unit)	Net Weight [kg]	(285.0 x 2) + 350.0	285.0 + 333.0 + 350.0	285.0 + 333.0 + 350.0
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2 + (1,295 x ,1,795 x 765)	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765) x 2	(1,295 x 1,695 x 765) + (1,295 x ,1,795 x 765) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM800KXVAGH	AM820KXVAGH	AM840KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	80	82	84
	Cooling*1 [kW]	224.20	229.60	235.20
	Cooling*1 [Btu/hr]	765,000	783,400	802,500
	Cooling*2 [kW]	230.84	236.41	242.54
	Cooling*2 [Btu/hr]	787,700	806,700	827,600
	Heating [kW]	252.00	258.30	264.60
	Heating [Btu/hr]	859,900	881,400	902,900
Power Input (Nominal)	Cooling [kW]	60.73	62.75	62.50
	Heating [kW]	57.47	57.88	58.60
Current Input (Nominal)	Cooling [A]	97.40	100.60	100.20
	Heating [A]	92.20	92.80	93.90
	MCA [A]	184.60	190.60	201.00
	MFA [A]	225.00	225.00	225.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.69	3.66	3.76
	COP (Nominal Heating) [kW/kW]	4.38	4.46	4.52
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(6.39 x 2) + (6.76 x 2) + (7.81 x 2)	(6.39 x 2) + (7.81 x 2) x 2	(6.39 x 2) + (7.81 x 2) x 2
	Model Name	(DS-GB066FAVB x 2) + (DS-GB070FAVA x 2)+ (DS4GJ5080FVA x 2)	(DS-GB066FAVB x 2) + (DS4GJ5080FVA x 4)	(DS-GB066FAVB x 2) + (DS4GJ5080FVA x 4)
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 3	(620.00 x 2) x 3	(620.00 x 2) x 3
	Air Flow Rate [CMM]	(290.00 x 1) + (340.00 x 2)	(290.00 x 1) + (340.00 x 2)	(340.00 x 3)
	Air Flow Rate [l/s]	(4,833.30 x 1) + (5,666.70 x 2)	(4,833.30 x 1) + (5,666.70 x 2)	(5,666.70 x 3)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2-1/8"	2-1/8"	2-1/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	36.4	36.4	40.5
Sound	Sound Pressure [dB(A)]	73	73	73
	Sound Power [dB(A)]	94	94	95
External Dimension (Outdoor Unit)	Net Weight [kg]	285.0 + 342.0 + 350.0	285.0 + (350.0 x 2)	333.0 + (350.0 x 2)
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) + (1,295 x ,1,795 x 765) x 2	(1,295 x 1,695 x 765) + (1,295 x ,1,795 x 765) x 2	(1,295 x 1,795 x 765) x 3
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S
SPECIFICATION

50Hz
HEAT PUMP

DVM S

Model Code		AM860KXVAGH	AM880KXVAGH	AM900KXVAGH
Features	Type	DVM S HP	DVM S HP	DVM S HP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	86	88	90
	Cooling*1 [kW]	240.80	246.60	252.00
	Cooling*1 [Btu/hr]	821,600	841,400	859,900
	Cooling*2 [kW]	248.31	254.29	259.85
	Cooling*2 [Btu/hr]	847,300	867,700	886,700
	Heating [kW]	270.90	277.20	283.50
	Heating [Btu/hr]	924,300	945,800	967,300
Power Input (Nominal)	Cooling [kW]	64.31	66.08	68.10
	Heating [kW]	59.18	61.36	61.77
Current Input (Nominal)	Cooling [A]	103.10	106.00	109.20
	Heating [A]	94.90	98.40	99.00
	MCA [A]	206.00	213.00	219.00
	MFA [A]	250.00	250.00	250.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.74	3.73	3.70
	COP (Nominal Heating) [kW/kW]	4.58	4.52	4.59
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(6.39 x 2) + (7.81 x 2) x 2	(6.76 x 2) + (7.81 x 2) x 2	(7.81 x 2) x 3
	Model Name	(DS-GB066FAVB x 2) + (DS4GJ5080FVA x 4)	(DS-GB070FAVA x 2) + (DS4GJ5080FVA x 4)	DS4GJ5080FVA x 6
	Oil Type	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 3	(620.00 x 2) x 3	(620.00 x 2) x 3
	Air Flow Rate [CMM]	(340.00 x 3)	(340.00 x 3)	(340.00 x 3)
	Air Flow Rate [l/s]	(5,666.70 x 3)	(5,666.70 x 3)	(5,666.70 x 3)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.40	78.40	78.40
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2-1/8"	2-1/8"	2-1/8"
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	40.5	42.0	42.0
Sound	Sound Pressure [dB(A)]	73	74	74
	Sound Power [dB(A)]	95	95	95
External Dimension (Outdoor Unit)	Net Weight [kg]	333.0 + (350.0 x 2)	342.0 + (350.0 x 2)	350.0 x 3
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

DVM S COOLING
COMBINATION TABLE

STANDARD COMBINATION

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

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY

DVM S COOLING

Model Code		AM080MXVAGC	AM100MXVAGC	AM120MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	8	10	12
	Cooling*1 [kW]	22.40	28.00	33.60
	Cooling*1 [Btu/hr]	76,400	95,500	114,600
	Cooling*2 [kW]	23.12	28.90	34.46
	Cooling*2 [Btu/hr]	78,900	98,600	117,600
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	4.98	6.36	8.62
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	8.00	10.20	13.80
	Heating [A]	-	-	-
	MCA [A]	18.00	22.80	25.00
	MFA [A]	25.00	32.00	32.00
COP	Nominal Cooling 1)	4.50	4.40	3.90
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1
	Output [kW x n]	(5.18 x 1)	(5.18 x 1)	(6.39 x 1)
	Model Name	DS-GB052FAV* x 1	DS-GB052FAV* x 1	DS-GB066FAV* x 1
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 1)	(1,100 x 1)	(1,100 x 1)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(830.00 x 1)	(830.00 x 1)	(830.00 x 1)
	Air Flow Rate [CMM]	(170.00 x 1)	(170.00 x 1)	(220.00 x 1)
	Air Flow Rate [l/s]	(2,833.33 x 1)	(2,833.33 x 1)	(3,666.67 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	12.70
	Liquid Pipe [Ø, inch]	3/8"	3/8"	1/2"
	Gas Pipe [Ø, mm]	19.05	22.22	28.58
	Gas Pipe [Ø, inch]	3/4"	7/8"	1-1/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	5.5	5.5	5.5
Sound	Sound Pressure [dB(A)]	57	61	62
	Sound Power [dB(A)]	77	80	81
External Dimension (Outdoor Unit)	Net Weight [kg]	185.0	185.0	190.0
	Shipping Weight [kg]	197.0	197.0	202.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765	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	948 x 1,887 x 832
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY

DVM S COOLING

Model Code		AM140MXVAGC	AM160MXVAGC	AM180MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	14	16	18
	Cooling*1 [kW]	40.00	45.00	50.40
	Cooling*1 [Btu/hr]	136,500	153,500	172,000
	Cooling*2 [kW]	41.03	46.42	51.99
	Cooling*2 [Btu/hr]	140,000	158,400	177,400
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	10.08	12.10	14.20
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	16.20	19.40	22.80
	Heating [A]	-	-	-
	MCA [A]	25.00	32.00	39.10
	MFA [A]	32.00	40.00	50.00
COP	Nominal Cooling 1)	3.97	3.72	3.55
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1
	Output [kW x n]	(6.39 x 1)	(7.81 x 1)	(7.81 x 1)
	Model Name	DS-GB066FAV* x 1	DS4GJ5080FV* x 1	DS4GJ5080FV* x 1
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 1)	(1,400 x 1)	(1,400 x 1)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2)	(620.00 x 2)	(620.00 x 2)
	Air Flow Rate [CMM]	(255.00 x 1)	(255.00 x 1)	(290.00 x 1)
	Air Flow Rate [l/s]	(4,250.00 x 1)	(4,250.00 x 1)	(4,833.33 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	12.70	12.70	15.88
	Liquid Pipe [Ø, inch]	1/2"	1/2"	5/8"
	Gas Pipe [Ø, mm]	28.58	28.58	28.58
	Gas Pipe [Ø, inch]	1-1/8"	1-1/8"	1-1/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	7.7	8.4	8.4
Sound	Sound Pressure [dB(A)]	61	63	64
	Sound Power [dB(A)]	81	83	84
External Dimension (Outdoor Unit)	Net Weight [kg]	225.0	252.0	252.0
	Shipping Weight [kg]	244.0	271.0	271.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
	Shipping Dimensions (WxHxD) [mm]	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY


DVM S COOLING

Model Code		AM200MXVAGC	AM220MXVAGC	AM240MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	20	22	24
	Cooling*1 [kW]	56.00	61.60	67.20
	Cooling*1 [Btu/hr]	191,100	210,200	229,300
	Cooling*2 [kW]	57.76	63.18	69.31
	Cooling*2 [Btu/hr]	197,100	215,600	236,500
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	16.62	19.68	17.87
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	26.60	31.60	28.70
	Heating [A]	-	-	-
	MCA [A]	42.00	44.50	44.50
	MFA [A]	63.00	63.00	63.00
COP	Nominal Cooling 1)	3.37	3.13	3.76
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
	Output [kW x n]	(5.18x2)	(5.18x2)	(6.39x2)
	Model Name	DS-GB052FAV* x 2	DS-GB052FAV* x 2	DS-GB066FAV* x 2
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 2)	(1,100 x 2)	(1,100 x 2)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2)	(620.00 x 2)	(620.00 x 2)
	Air Flow Rate [CMM]	(290.00 x 1)	(290.00 x 1)	(320.00 x 1)
	Air Flow Rate [l/s]	(4,833.33 x 1)	(4,833.33 x 1)	(5,333.33 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	15.88	15.88	15.88
	Liquid Pipe [Ø, inch]	5/8"	5/8"	5/8"
	Gas Pipe [Ø, mm]	28.58	28.58	34.92
	Gas Pipe [Ø, inch]	1-1/8"	1-1/8"	1-3/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	8.4	8.4	12.5
Sound	Sound Pressure [dB(A)]	65	65	67
	Sound Power [dB(A)]	87	89	89
External Dimension (Outdoor Unit)	Net Weight [kg]	280.0	280.0	322.0
	Shipping Weight [kg]	299.0	299.0	344.0
	Net Dimensions (WxHxD [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD) [mm]	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,987 x 832
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY

DVM S COOLING

Model Code		AM260MXVAGC	AM280MXVAGC	AM300MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	26	28	30
	Cooling*1 [kW]	72.80	78.60	84.00
	Cooling*1 [Btu/hr]	248,400	268,200	286,600
	Cooling*2 [kW]	75.08	81.06	86.63
	Cooling*2 [Btu/hr]	256,200	276,600	295,600
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	21.41	23.39	26.33
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	34.30	37.50	42.20
	Heating [A]	-	-	-
	MCA [A]	60.00	65.00	65.00
	MFA [A]	75.00	75.00	75.00
COP	Nominal Cooling 1)	3.40	3.36	3.19
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
	Output [kW x n]	(6.39x2)	(6.76x2)	(7.81x2)
	Model Name	DS-GB066FAV* x 2	DS-GB070FAV* x 2	DS4GJ5080FV* x 2
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 2)	(1,100 x 2)	(1,400 x 2)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2)	(620.00 x 2)	(620.00 x 2)
	Air Flow Rate [CMM]	(320.00 x 1)	(340.00 x 1)	(340.00 x 1)
	Air Flow Rate [l/s]	(5,333.33 x 1)	(5,666.67 x 1)	(5,666.67 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	34.92	34.92	34.92
	Gas Pipe [Ø, inch]	1-3/8"	1-3/8"	1-3/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	12.5	12.5	12.5
Sound	Sound Pressure [dB(A)]	67	69	69
	Sound Power [dB(A)]	89	90	90
External Dimension (Outdoor Unit)	Net Weight [kg]	330.0	335.0	342.0
	Shipping Weight [kg]	352.0	357.0	364.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765
	Shipping Dimensions (WxHxD) [mm]	1,363 x 1,987 x 832	1,363 x 1,987 x 832	1,363 x 1,987 x 832
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY


DVM S COOLING

Model Code		AM320MXVAGC	AM340MXVAGC	AM360MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	32	34	36
	Cooling*1 [kW]	89.60	95.20	101.60
	Cooling*1 [Btu/hr]	305,700	324,800	346,700
	Cooling*2 [kW]	92.10	97.60	104.20
	Cooling*2 [Btu/hr]	314,100	333,100	355,500
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	26.04	28.30	29.76
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	41.80	45.40	47.80
	Heating [A]	-	-	-
	MCA [A]	67.30	69.50	69.50
	MFA [A]	75.00	80.00	80.00
COP	Nominal Cooling 1)	3.44	3.36	3.41
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3
	Output [kW x n]	(5.18 x 1) x 1 + (5.18 x 2) x 1	(6.39 x 1) x 1 + (5.18 x 2) x 1	(6.39 x 1) x 1 + (5.18 x 2) x 1
	Model Name	(DS-GB052FAV* x 1) + (DS-GB052FAV* x 2)	(DS-GB066FAV* x 1) + (DS-GB052FAV* x 2)	(DS-GB066FAV* x 1) + (DS-GB052FAV* x 2)
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 1) + (1,100 x 2)	(1,100 x 1) + (1,100 x 2)	(1,100 x 1) + (1,100 x 2)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(518.00 x 1) + (518.00 x 2)	(639.00 x 1) + (518.00 x 2)	(639.00 x 1) + (518.00 x 2)
	Air Flow Rate [CMM]	(170.00 x 1) + (290.00 x 1)	(220.00 x 1) + (290.00 x 1)	(255.00 x 1) + (290.00 x 1)
	Air Flow Rate [l/s]	(2,833.00 x 1) + (4,833.00 x 1)	(3,667.00 x 1) +(4,833.00 x 1)	(4,250.00 x 1) + (4,833.00 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	34.92	34.92	41.28
	Gas Pipe [Ø, inch]	1-3/8"	1-3/8"	1-5/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	(5.5 x 1) + (8.4 x 1)	(5.5 x 1) + (8.4 x 1)	(7.7 x 1) + (8.4 x 1)
Sound	Sound Pressure [dB(A)]	66	67	66
	Sound Power [dB(A)]	90	90	90
External Dimension (Outdoor Unit)	Net Weight [kg]	185.0 + 280.0	190.0 + 280.0	225.0 + 280.0
	Shipping Weight [kg]	197.0 x 299.0	202.0 + 299.0	244.0 + 299.0
	Net Dimensions (WxHxD) [mm]	(880 x 1,695 x 765) + (1,295 x 1,695 x 765)	(880 x 1,695 x 765) + (1,295 x 1,695 x 765)	(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)	(948 x 1,887 x 832) + (1,363 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	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY

DVM S COOLING

Model Code		AM380MXVAGC	AM400MXVAGC	AM420MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	38	40	42
	Cooling*1 [kW]	106.60	112.00	117.60
	Cooling*1 [Btu/hr]	363,700	382,100	401,300
	Cooling*2 [kW]	109.60	115.20	120.90
	Cooling*2 [Btu/hr]	373,900	392,900	412,600
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	31.78	33.88	36.30
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	51.00	54.40	58.20
	Heating [A]	-	-	-
	MCA [A]	76.50	83.60	86.50
	MFA [A]	90.00	100.00	100.00
COP	Nominal Cooling 1)	3.35	3.31	3.24
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4
	Output [kW x n]	(7.81 x 1) + (5.18 x 2)	(7.81 x 1) + (5.18 x 2)	(5.18 x 2) x 2
	Model Name	(DS4GJ5080FV* x 1) + (DS-GB052FAV* x 2)	(DS4GJ5080FV* x 1) + (DS-GB052FAV* x 2)	DS-GB052FAV* x 2
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,400 x 1) + (1,100 x 2)	(1,400 x 1) + (1,100 x 2)	(1,100 x 2) x 2
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(781.00 x1) + (518.00 x 2)	(781.00 x1) + (518.00 x 2)	(518.00 x 2) x 2
	Air Flow Rate [CMM]	(255.00 x 1) + (290.00 x 1)	(290.00 x 2)	(290.00 x 2)
	Air Flow Rate [l/s]	(4,250.00 x 1) + (4,833.00 x 1)	(4,833.00 x 2)	(4,833.00 x 2)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1-5/8"	1-5/8"	1-5/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	8.4 x 2	8.4 x 2	8.4 x 2
Sound	Sound Pressure [dB(A)]	67	68	68
	Sound Power [dB(A)]	90	90	91
External Dimension (Outdoor Unit)	Net Weight [kg]	252.0 + 280.0	252.0 + 280.0	280.0 x 2
	Shipping Weight [kg]	(271.0 x 1) + (299.0 x 1)	(271.0 x 1) + (299.0 x 1)	299.0 x 2
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 2	(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	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY


DVM S COOLING

Model Code		AM440MXVAGC	AM460MXVAGC	AM480MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	44	46	48
	Cooling*1 [kW]	123.20	129.00	134.40
	Cooling*1 [Btu/hr]	420,400	440,100	458,600
	Cooling*2 [kW]	126.30	133.00	138.60
	Cooling*2 [Btu/hr]	431,100	453,900	473,000
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	39.36	38.43	40.53
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	63.20	61.60	65.00
	Heating [A]	-	-	-
	MCA [A]	89.00	97.00	104.10
	MFA [A]	100.00	125.00	125.00
COP	Nominal Cooling 1)	3.13	3.36	3.32
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 4	SSC Scroll x 3	SSC Scroll x 3
	Output [kW x n]	(5.18 x 2) x 2	(7.81 x 1) + (7.81 x 2)	(7.81 x 1) + (7.81 x 2)
	Model Name	DS-GB052FAV* x 4	(DS4GJ5080FV* x 1) + (DS4GJ5080FV* x 2)	(DS4GJ5080FV* x 1) + (DS4GJ5080FV* x 2)
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 2) x 2	(1,400 x 1) + (1,400 x 2)	(1,400 x 1) + (1,400 x 2)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 2	(620.00 x 2) x 2	(620.00 x 2) x 2
	Air Flow Rate [CMM]	(290.00 x 2)	(255.00 x 1) + (340.00 x 1)	(290.00 x 1) + (340.00 x 1)
	Air Flow Rate [l/s]	(4,833.00 x 2)	(4,250.00 x 1) + (5,667.00 x 1)	(4,833.00 x 1) + (5,667.00 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1-5/8"	1-5/8"	1-5/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	8.4 x 2	(8.4 x 1) + (12.5 x 1)	(8.4 x 1) + (12.5 x 1)
Sound	Sound Pressure [dB(A)]	68	70	70
	Sound Power [dB(A)]	92	91	91
External Dimension (Outdoor Unit)	Net Weight [kg]	280.0 x 2	(252.0 x 1) + (342.0 x 1)	(252.0 x 1) + (342.0 x 1)
	Shipping Weight [kg]	299.0 x 2	(271.0 x 1) + (364.0 x 1)	(271.0 x 1) + (364.0 x 1)
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) + (1,363 x 1,987 x 832)	(1,363 x 1,887 x 832) + (1,363 x 1,987 x 832)
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY


DVM S COOLING

Model Code		AM500MXVAGC	AM520MXVAGC	AM540MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	50	52	54
	Cooling*1 [kW]	140.00	145.60	151.20
	Cooling*1 [Btu/hr]	477,700	496,800	515,900
	Cooling*2 [kW]	144.40	149.80	155.90
	Cooling*2 [Btu/hr]	492,700	511,100	532,100
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	42.95	46.01	44.20
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	68.80	73.80	70.90
	Heating [A]	-	-	-
	MCA [A]	107.00	109.50	109.50
	MFA [A]	125.00	125.00	125.00
COP	Nominal Cooling 1)	3.26	3.16	3.42
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
	Output [kW x n]	(5.18 x 2) + (7.81 x 2)	(5.18 x 2) + (7.81 x 2)	(6.39 x 2) + (7.81 x 2)
	Model Name	(DS-GB052FAV* x 2) + (DS4GJ5080FV* x 2)	(DS-GB052FAV* x 2) + (DS4GJ5080FV* x 2)	DS-GB066FAV* x 2) + (DS4GJ5080FV* x 2)
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 2) + (1,400 x 2)	(1,100 x 2) + (1,400 x 2)	(1,100 x 2) + (1,400 x 2)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 2	(620.00 x 2) x 2	(620.00 x 2) x 2
	Air Flow Rate [CMM]	(290.00 x 1) + (340.00 x 1)	(290.00 x 1) + (340.00 x 1)	(320.00 x 1) + (340.00 x 1)
	Air Flow Rate [l/s]	(4,833.00 x 1) + (5,667.00 x 1)	(4,833.00 x 1) + (5,667.00 x 1)	(5,333.00 x 1) + (5,667.00 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1-5/8"	1-5/8"	1-5/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	(8.4 x 1) + (12.5 x 1)	(8.4 x 1) + (12.5 x 1)	12.5 x 2
Sound	Sound Pressure [dB(A)]	70	70	71
	Sound Power [dB(A)]	92	93	93
External Dimension (Outdoor Unit)	Net Weight [kg]	(280.0 x 1) + (342.0 x 1)	(280.0 x 1) + (342.0 x 1)	(322.0 x 1) + (342.0 x 1)
	Shipping Weight [kg]	(299.0 x 1) + (364.0 x 1)	(299.0 x 1) + (364.0 x 1)	(344.0 x 1) + (364.0 x 1)
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(1,295 x 1,795 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) + (1,363 x 1,987 x 832)	(1,363 x 1,887 x 832) + (1,363 x 1,987 x 832)	(1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY

DVM S COOLING

Model Code		AM560MXVAGC	AM580MXVAGC	AM600MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	56	58	60
	Cooling*1 [kW]	156.80	162.60	168.00
	Cooling*1 [Btu/hr]	535,000	554,800	573,200
	Cooling*2 [kW]	161.70	167.70	173.30
	Cooling*2 [Btu/hr]	551,800	572,200	591,200
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	47.74	49.72	52.66
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	76.50	79.70	84.40
	Heating [A]	-	-	-
	MCA [A]	125.00	130.00	130.00
	MFA [A]	150.00	150.00	150.00
COP	Nominal Cooling 1)	3.28	3.27	3.19
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
	Output [kW x n]	(6.39 x 2) + (7.81 x 2)	(6.76 x 2) + (7.81 x 2)	(7.81 x 2) x 2
	Model Name	(DS-GB066FAV* x 2) + (DS4GJ5080FV* x 2)	(DS-GB070FAV* x 2) + (DS4GJ5080FV* x 2)	DS4GJ5080FV* x 4
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 2) + (1,400 x 2)	(1,100 x 2) + (1,400 x 2)	(1,400 x 2) x 2
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 2	(620.00 x 2) x 2	(620.00 x 2) x 2
	Air Flow Rate [CMM]	(320.00 x 1) + (340.00 x 1)	(340.00 x 2)	(340.00 x 2)
	Air Flow Rate [l/s]	(5,333.00 x 1) + (5,667.00 x 1)	(5,667.00 x 2)	(5,667.00 x 2)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	19.05	19.05	19.05
	Liquid Pipe [Ø, inch]	3/4"	3/4"	3/4"
	Gas Pipe [Ø, mm]	41.28	41.28	41.28
	Gas Pipe [Ø, inch]	1-5/8"	1-5/8"	1-5/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	12.5 x 2	12.5 x 2	12.5 x 2
Sound	Sound Pressure [dB(A)]	71	72	72
	Sound Power [dB(A)]	93	93	93
External Dimension (Outdoor Unit)	Net Weight [kg]	(330.0 x 1) + (342.0 x 1)	(335.0 x 1) + (342.0 x 1)	342.0 x 2
	Shipping Weight [kg]	(330.0 x 1) + (342.0 x 1)	(357.0 x 1) + (364.0 x 1)	364.0 x 2
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2	(1,295 x 1,795 x 765) x 2
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2	(1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY

DVM S COOLING

Model Code		AM620MXVAGC	AM640MXVAGC	AM660MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	62	64	66
	Cooling*1 [kW]	173.60	179.20	185.60
	Cooling*1 [Btu/hr]	592,300	611,400	633,300
	Cooling*2 [kW]	178.70	184.30	190.80
	Cooling*2 [Btu/hr]	609,600	628,700	651,100
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	52.37	54.63	56.09
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	84.00	87.60	90.00
	Heating [A]	-	-	-
	MCA [A]	132.30	134.50	134.50
	MFA [A]	150.00	150.00	150.00
COP	Nominal Cooling 1)	3.31	3.28	3.31
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5
	Output [kW x n]	(5.18 x 1) + (5.18 x 2) + (7.81 x 2)	(6.39 x 1) + (5.18 x 2) + (7.81 x 2)	(6.39 x 1) + (5.18 x 2) + (7.81 x 2)
	Model Name	(DS-GB052FAV* x 1) + (DS-GB052FAV* x 2) + (DS4GJ5080FV* x 2)	(DS-GB066FAV* x 1) + (DS-GB052FAV* x 2) + (DS4GJ5080FV* x 2)	(DS-GB066FAV* x 1) + (DS-GB052FAV* x 2) + (DS4GJ5080FV* x 2)
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 1) + (1,100 x 2) + (1,400 x 2)	(1,100 x 1) + (1,100 x 2) + (1,400 x 2)	(1,100 x 1) + (1,100 x 2) + (1,400 x 2)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(830.00 x 1) + (620.00 x 2) x 2	(830.00 x 1) + (620.00 x 2) x 2	(620.00 x 2) x 3
	Air Flow Rate [CMM]	(170.00 x 1) + (290.00 x 1) + (340.00 x 1)	(200.00 x 1) + (290.00 x 1) + (340.00 x 1)	(255.00 x 1) + (290.00 x 1) + (340.00 x 1)
	Air Flow Rate [l/s]	(2,833.00 x 1) + (4,833.00 x 1) + (5,667.00 x 1)	(3,667.00 x 1) + (4,833.00 x 1) + (5,667.00 x 1)	(4,250.00 x 1) + (4,833.00 x 1) + (5,667.00 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2-1/8"	2-1/8"	2-1/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	(5.5 x 1) + (8.4 x 1) + (12.5 x 1)	(5.5 x 1) + (8.4 x 1) + (12.5 x 1)	(7.7 x 1) + (8.4 x 1) + (12.5 x 1)
Sound	Sound Pressure [dB(A)]	71	71	71
	Sound Power [dB(A)]	93	93	93
External Dimension (Outdoor Unit)	Net Weight [kg]	(185.0 x 1) + (280.0 x 1) + (342.0 x 1)	(190.0 x 1) + (280.0 x 1) + (342.0 x 1)	(225.0 x 1) + (280.0 x 1) + (342.0 x 1)
	Shipping Weight [kg]	(197.0 x 1) + (299.0 x 1) + (364.0 x 1)	(202.0 x 1) + (299.0 x 1) + (364.0 x 1)	(244.0 x 1) + (299.0 x 1) + (364.0 x 1)
	Net Dimensions (WxHxD) [mm]	(880 x 1,695 x765) + (1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(880 x 1,695 x765) + (1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765)
	Shipping Dimensions (WxHxD) [mm]	(948 x 1,887 x 832) + (1,363 x 1,887 x 832) + (1,363 x 1,987 x 832)	(948 x 1,887 x 832) + (1,363 x 1,887 x 832) + (1,363 x 1,987 x 832)	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832)
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY

DVM S COOLING

Model Code		AM680MXVAGC	AM700MXVAGC	AM720MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	68	70	72
	Cooling*1 [kW]	190.60	196.00	210.60
	Cooling*1 [Btu/hr]	650,300	668,800	687,900
	Cooling*2 [kW]	196.20	201.80	207.60
	Cooling*2 [Btu/hr]	669,500	688,500	708,200
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	58.11	60.21	62.63
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	93.20	96.60	100.40
	Heating [A]	-	-	-
	MCA [A]	141.50	148.60	151.50
	MFA [A]	175.00	175.00	175.00
COP	Nominal Cooling 1)	3.28	3.26	3.22
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 6
	Output [kW x n]	(7.81 x 1) + (5.18 x 2) + (7.81 x 2)	(7.81 x 1) + (5.18 x 2) + (7.81 x 2)	(5.18 x 2) x 2 + (7.81 x 2)
	Model Name	(DS4GJ5080FV* x 1) x 1 + (DS-GB052FAV* x 2) x 1 + (DS4GJ5080FV* x 2) x 1	(DS4GJ5080FV* x 1) x 1 + (DS-GB052FAV* x 2) x 1 + (DS4GJ5080FV* x 2) x 1	(DS-GB052FAV* x 2) x 2 + (DS4GJ5080FV* x 2) x 1
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,400 x 1) + (1,100 x 2) + (1,400 x 2)	(1,400 x 1) + (1,100 x 2) + (1,400 x 2)	(1,100 x 2) x 2 + (1,400 x 2)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 3	(620.00 x 2) x 3	(620.00 x 2) x 3
	Air Flow Rate [CMM]	(255.00 x 1) + (290.00 x 1) + (340.00 x 1)	(290.00 x 2) + (340.00 x 1)	(290.00 x 2) + (340.00 x 1)
	Air Flow Rate [l/s]	(4,250.00 x 1) + (4,833.00 x 1) + (5,667.00 x 1)	(4,833.00 x 2) + (5,667.00 x 1)	(4,833.00 x 2) + (5,667.00 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2-1/8"	2-1/8"	2-1/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	(8.4 x 2) + (12.5 x 1)	(8.4 x 2) + (12.5 x 1)	(8.4 x 2) + (12.5 x 1)
Sound	Sound Pressure [dB(A)]	71	71	72
	Sound Power [dB(A)]	93	93	94
External Dimension (Outdoor Unit)	Net Weight [kg]	(252.0 x 1) + (280.0 x 1) + (342.0 x 1)	(252.0 x 1) + (280.0 x 1) + (342.0 x 1)	(280.0 x 2) + (342.0 x 1)
	Shipping Weight [kg]	(271.0 x 1) + (299.0 x 1) + (364.0 x 1)	(271.0 x 1) + (299.0 x 1) + (364.0 x 1)	(299.0 x 2) +(364.0 x 1)
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765)	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765)	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765)
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832)	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832)	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832)
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY

DVM S COOLING

Model Code		AM740MXVAGC	AM760MXVAGC	AM780MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	74	76	78
	Cooling*1 [kW]	207.20	212.80	218.40
	Cooling*1 [Btu/hr]	707,000	726,100	745,200
	Cooling*2 [kW]	213.00	219.10	224.90
	Cooling*2 [Btu/hr]	726,600	747,600	767,300
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	65.69	63.88	67.42
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	105.40	102.50	108.10
	Heating [A]	-	-	-
	MCA [A]	154.00	154.00	169.50
	MFA [A]	175.00	175.00	200.00
COP	Nominal Cooling 1)	3.15	3.33	3.24
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(5.18 x 2) x 2 + (7.81 x 2)	(6.39 x 2) + (5.18 x 2) + (7.81 x 2)	(6.39 x 2) + (5.18 x 2) + (7.81 x 2)
	Model Name	(DS-GB052FAV* x 2) + (DS4GJ5080FV* x 2)	(DS-GB066FAV* x 2) + (DS-GB052FAV* x 2) + (DS4GJ5080FV* x 2)	(DS-GB066FAV* x 2) + (DS-GB052FAV* x 2) + (DS4GJ5080FV* x 2)
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 2) x 2 + (1,400 x 2)	(1,100 x 2) x 2 + (1,400 x 2)	(1,100 x 2) x 2 + (1,400 x 2)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 3	(620.00 x 2) x 3	(620.00 x 2) x 3
	Air Flow Rate [CMM]	(290.00 x 2) + (340.00 x 1)	(320.00 x 1) + (290.00 x 1) + (340.00 x 1)	(320.00 x 1) + (290.00 x 1) + (340.00 x 1)
	Air Flow Rate [l/s]	(4,833.00 x 2) + (5,667.00 x 1)	(5,333.00 x 1) + (4,833.00 x 1) + (5,667.00 x 1)	(5,333.00 x 1) + (4,833.00 x 1) + (5,667.00 x 1)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2-1/8"	2-1/8"	2-1/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	(8.4 x 2) + (12.5 x 1)	(12.5 x 1) + (8.4 x 1) + (12.5 x 1)	(12.5 x 1) + (8.4 x 1) + (12.5 x 1)
Sound	Sound Pressure [dB(A)]	72	72	72
	Sound Power [dB(A)]	94	94	94
External Dimension (Outdoor Unit)	Net Weight [kg]	(280.0 x 2) + (342.0 x 1)	(322.0 x 1) + (280.0 x 1) + (342.0 x 1)	(330.0 x 1) + (280.0 x 1) + (342.0 x 1)
	Shipping Weight [kg]	(299.0 x 2) +(364.0 x 1)	(344.0 x 1) + (299.0 x 1) + (364.0 x 1)	(352.0 x 1) + (299.0 x 1) + (364.0 x 1)
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765)	(1,295 x 1,795 x 765) + (1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(1,295 x 1,795 x 765) + (1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 2 + (1,363 x 1,987 x 832)	(1,363 x 1,987 x 832) + (1,363 x 1,887 x 832) + (1,363 x 1,987 x 832)	(1,363 x 1,987 x 832) + (1,363 x 1,887 x 832) + (1,363 x 1,987 x 832)
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY

DVM S COOLING

Model Code		AM800MXVAGC	AM820MXVAGC	AM840MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	80	82	84
	Cooling*1 [kW]	224.20	229.60	235.20
	Cooling*1 [Btu/hr]	765,000	783,400	802,500
	Cooling*2 [kW]	230.90	236.40	242.60
	Cooling*2 [Btu/hr]	787,700	806,700	827,600
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	69.40	72.34	70.53
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	111.30	116.00	113.10
	Heating [A]	-	-	-
	MCA [A]	174.50	174.50	174.50
	MFA [A]	200.00	200.00	200.00
COP	Nominal Cooling 1)	3.23	3.17	3.33
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(6.76 x 2) + (5.18 x 2) + (7.81 x 2)	(7.81 x 2) + (5.18 x 2) + (7.81 x 2)	(6.39 x 2) + (7.81 x 2) x 2
	Model Name	(DS-GB070FAV* x 2) + (DS-GB052FAV* x 2) + (DS4GJ5080FV* x 2)	(DS4GJ5080FV* x 2) + (DS-GB052FAV* x 2) + (DS4GJ5080FV* x 2)	(DS-GB066FAV* x 2) + (DS4GJ5080FV* x 2) x 2
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 2) x 2 + (1,400 x 2)	(1,400 x 2) + (1,100 x 2) + (1,400 x 2)	(1,100 x 2) + (1,400 x 2) x 2
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 3	(620.00 x 2) x 3	(620.00 x 2) x 3
	Air Flow Rate [CMM]	(340.00 x 1) + (290.00 x 1) + (340.00 x 1)	(340.00 x 1) + (290.00 x 1) + (340.00 x 1)	(320.00 x 1) + (340.00 x 2)
	Air Flow Rate [l/s]	(5,667.00 x 1) + (4,833.00 x 1) + (5,667.00 x 1)	(5,667.00 x 1) + (4,833.00 x 1) + (5,667.00 x 1)	(5,333.00 x 1) + (5,667.00 x 2)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2-1/8"	2-1/8"	2-1/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	(12.5 x 1) + (8.4 x 1) + (12.5 x 1)	(12.5 x 1) + (8.4 x 1) + (12.5 x 1)	12.5 x 3
Sound	Sound Pressure [dB(A)]	73	73	73
	Sound Power [dB(A)]	94	94	94
External Dimension (Outdoor Unit)	Net Weight [kg]	(335.0 x 1) + (280.0 x 1) + (342.0 x 1)	(342.0 x 1) + (280.0 x 1) + (342.0 x 1)	(322.0 x 1) + (342.0 x 2)
	Shipping Weight [kg]	(357.0 x 1) + (299.0 x 1) + (364.0 x 1)	(364.0 x 1) + (299.0 x 1) + (364.0 x 1)	(344.0 x 1) + (364.0 x 2)
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,795 x 765) + (1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(1,295 x 1,795 x 765) + (1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(1,295 x 1,795 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,987 x 832) + (1,363 x 1,887 x 832) + (1,363 x 1,987 x 832)	(1,363 x 1,987 x 832) + (1,363 x 1,887 x 832) + (1,363 x 1,987 x 832)	(1,363 x 1,987 x 832) x 3
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S COOLING
SPECIFICATION

50Hz
COOLING ONLY

DVM S COOLING

Model Code		AM860MXVAGC	AM880MXVAGC	AM900MXVAGC
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Cooling Only	Cooling Only	Cooling Only
Capacity	HP	86	88	90
	Cooling*1 [kW]	240.80	246.60	252.00
	Cooling*1 [Btu/hr]	821,600	841,400	859,800
	Cooling*2 [kW]	248.30	254.30	259.90
	Cooling*2 [Btu/hr]	847,300	867,700	886,700
	Heating [kW]	-	-	-
	Heating [Btu/hr]	-	-	-
Power Input (Nominal)	Cooling [kW]	74.07	76.05	78.99
	Heating [kW]	-	-	-
Current Input (Nominal)	Cooling [A]	118.70	121.90	126.60
	Heating [A]	-	-	-
	MCA [A]	190.00	195.00	195.00
	MFA [A]	225.00	225.00	225.00
COP	Nominal Cooling 1)	3.25	3.24	3.19
	Nominal Heating 2)	-	-	-
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(6.39 x 2) + (7.81 x 2) x 2	(6.76 x 2) + (7.81 x 2) x 2	(7.81 x 2) x 3
	Model Name	(DS-GB066FAV* x 2) + (DS4GJ5080FV* x 2) x 2	(DS-GB070FAV* x 2) + (DS4GJ5080FV* x 2) x 2	(DS4GJ5080FV* x 2) x 3
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 2) + (1,400 x 2) x 2	(1,100 x 2) + (1,400 x 2) x 2	(1,400 x 2) x 3
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(620.00 x 2) x 3	(620.00 x 2) x 3	(620.00 x 2) x 3
	Air Flow Rate [CMM]	(320.00 x 1) + (340.00 x 2)	(340.00 x 3)	(340.00 x 3)
	Air Flow Rate [l/s]	(5,333.00 x 1) + (5,667.00 x 2)	(5,667.00 x 3)	(5,667.00 x 3)
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Piping Connections	Liquid Pipe [Ø, mm]	22.22	22.22	22.22
	Liquid Pipe [Ø, inch]	7/8"	7/8"	7/8"
	Gas Pipe [Ø, mm]	53.98	53.98	53.98
	Gas Pipe [Ø, inch]	2-1/8"	2-1/8"	2-1/8"
	Discharge Gas Pipe [Ø, mm]	-	-	-
	Discharge Gas Pipe [Ø, inch]	-	-	-
	Oil Equalizing Pipe [Ø, mm]	-	-	-
	Oil Equalizing Pipe [Ø, inch]	-	-	-
	Installation Limitation [Max Length]	200	200	200
	Installation Limitation [Max Height]	110	110	110
Field Wiring	Power Source Wire [mm2]	-	-	-
	Transmission Cable [mm2]	0.75	0.75	0.75
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	12.5 x 3	12.5 x 3	12.5 x 3
Sound	Sound Pressure [dB(A)]	73	74	74
	Sound Power [dB(A)]	94	95	95
External Dimension (Outdoor Unit)	Net Weight [kg]	(330.0 x 1) + (342.0 x 2)	(335.0 x 1) + (342.0 x 2)	342.0 x 3
	Shipping Weight [kg]	(352.0 x 1) + (364.0 x 2)	(357.0 x 1) + (364.0 x 2)	364.0 x 3
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,987 x 832) x 3	(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	-5.0 ~ 48.0
	Heating [°C]	-	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) These products contain R410A which is fluorinated greenhouse gas.
4) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
*PDM kit: Pressure Drop Modulation kit

DVM S ECO

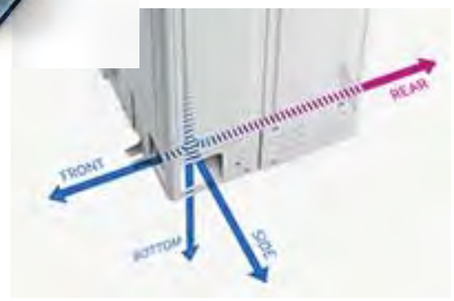
The DVM S Eco air conditioning system is a compact, lightweight and efficient outdoor unit that is suitable for a wide range of homes and small businesses. It is available in capacities of 4HP to 14HP, option of Single Phase for 4HP to 6HP.

Flexible Piping Design

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

Connects more, fits more

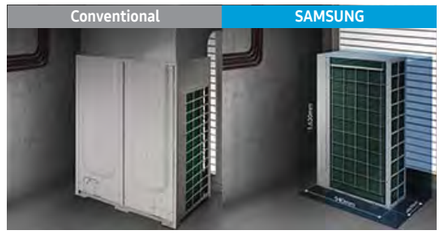
The DVM S Eco has a 4 way piping system, with connections at the front, side, bottom, rear, and a 160m piping length, so it fits into many more places, including small and narrow spaces, and is easier to install and maintain.



DVM S ECO

COMPACT DESIGN FOR EXTRA FLEXIBILITY

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

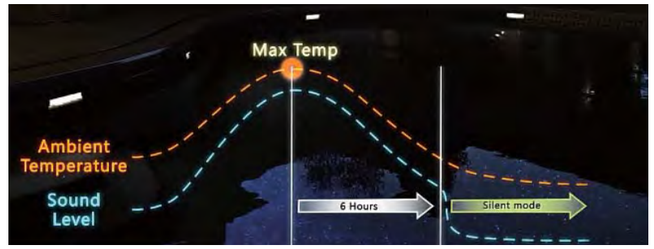


High Energy Efficiency Performance

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

Ultra-quiet operation

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



Control your cooling anywhere - Optional

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

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

DVM S ECO
SPECIFICATION

50Hz
HEAT PUMP

DVM S ECO

Model Code		AM040KXMDEH	AM050KXMDEH	AM040FXMDEH
Features	Type	DVM S ECO	DVM S ECO	DVM S ECO
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	4	5	4
	Cooling*1 [kW]	12.10	14.00	12.10
	Cooling*1 [Btu/hr]	41,200	48,000	41,300
	Cooling*2 [kW]	12.50	14.45	12.50
	Cooling*2 [Btu/hr]	42,650	49,300	42,650
	Heating [kW]	12.10	14.00	13.50
	Heating [Btu/hr]	41,200	48,000	46,100
Maximum number of connectible indoor units [ea]		6	8	6
Power Input (Nominal)	Cooling [kW]	3.60	4.00	2.89
	Heating [kW]	2.90	3.40	3.02
Current Input (Nominal)	Cooling [A]	17.50	19.50	14.00
	Heating [A]	14.00	16.50	15.10
	MCA [A]	24.00	27.00	22.00
	MFA [A]	32.00	40.00	32.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.36	3.50	4.19
	COP (Nominal Heating) [kW/kW]	4.17	4.12	4.47
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output [kW x n]	(4.12 x 1)	(4.12 x 1)	(4.12 x 1)
	Model Name	UG5T450FUEJX	UG5T450FUEJX	UG5T450FUEJXSG
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,700 x 1)	(1,700 x 1)	(1,700 x 1)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(125.00 x 1)	(139.00 x 1)	(125.00 x 2)
	Air Flow Rate [CMM]	(64.00 x 1)	(70.00 x 1)	(100.00 x 1)
	Air Flow Rate [l/s]	(1,067.00 x 1)	(1,167.00 x 1)	(1,666.70 x 1)
	External Static Pressure (Max) [mmAq]	3.00	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"	5/8"
	Installation Limitation [Max Length]	50	50	150
	Installation Limitation [Max Height]	30	30	50
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	2.0	2.5	3.2
Sound	Sound Pressure [dB(A)]	52	55	50
	Sound Power [dB(A)]	54	57	52
External Dimension (Outdoor Unit)	Net Weight [kg]	79.0	83.5	100.0
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 26.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.

DVM S ECO
SPECIFICATION

50Hz
HEAT PUMP

DVM S ECO

Model Code		AM040FXMDGH	AM050FXMDEH	AM050FXMDGH
Features	Type	DVM S ECO	DVM S ECO	DVM S ECO
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	1,2,220-240,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	4	5	5
	Cooling*1 [kW]	12.10	14.00	14.00
	Cooling*1 [Btu/hr]	41,300	47,800	47,800
	Cooling*2 [kW]	12.50	14.45	14.45
	Cooling*2 [Btu/hr]	42,650	49,300	49,300
	Heating [kW]	13.50	16.00	16.00
	Heating [Btu/hr]	46,100	54,600	54,600
Maximum number of connectible indoor units [ea]		6	8	8
Power Input (Nominal)	Cooling [kW]	2.99	3.69	3.69
	Heating [kW]	3.02	3.61	3.61
Current Input (Nominal)	Cooling [A]	4.80	17.90	6.20
	Heating [A]	5.00	17.20	6.00
	MCA [A]	10.00	24.00	12.00
	MFA [A]	20.00	32.00	20.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	4.05	3.79	3.79
	COP (Nominal Heating) [kW/kW]	4.47	4.43	4.43
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output [kW x n]	(4.12 x 1)	(4.12 x 1)	(4.12 x 1)
	Model Name	UG5T450FUFJXSG	UG5T450FUEJXSG	UG5T450FUFJXSG
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,700 x 1)	(1,700 x 1)	(1,700 x 1)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(125.00 x 2)	(125.00 x 2)	(125.00 x 2)
	Air Flow Rate [CMM]	(100.00 x 1)	(100.00 x 1)	(100.00 x 1)
	Air Flow Rate [l/s]	(1,666.70 x 1)	(1,666.70 x 1)	(1,666.70 x 1)
	External Static Pressure (Max) [mmAq]	3.00	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"	5/8"
	Installation Limitation [Max Length]	150	150	150
	Installation Limitation [Max Height]	50	50	50
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	3.2	3.2	3.2
Sound	Sound Pressure [dB(A)]	50	51	51
	Sound Power [dB(A)]	52	53	53
External Dimension (Outdoor Unit)	Net Weight [kg]	100.0	100.0	100.0
	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-20.0 ~ 26.0	-20.0 ~ 26.0	-20.0 ~ 26.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.

DVM S ECO
SPECIFICATION

50Hz
HEAT PUMP

DVM S ECO

Model Code		AM060FXMDEH	AM060FXMDGH	AM080MXMDGH	AM080FXMDGC
Features	Type	DVM S ECO	DVM S ECO	DVM S ECO	DVM S ECO
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50/60
System	Mode	Heat Pump	Heat Pump	Heat Pump	Cooling Only
Capacity	HP	6	6	8	8
	Cooling*1 [kW]	15.50	15.50	22.40	22.40
	Cooling*1 [Btu/hr]	52,900	52,900	76,400	76,400
	Cooling*2 [kW]	15.85	15.85	22.74	22.74
	Cooling*2 [Btu/hr]	54,100	54,100	77,600	77,600
	Heating [kW]	18.00	18.00	22.40	-
	Heating [Btu/hr]	61,400	61,400	76,400	-
Maximum number of connectible indoor units [ea]		9	9	13	13
Power Input (Nominal)	Cooling [kW]	4.31	4.31	6.90	5.72
	Heating [kW]	4.39	4.39	5.80	-
Current Input (Nominal)	Cooling [A]	21.00	7.30	11.70	9.70
	Heating [A]	20.20	6.90	9.50	8.20
	MCA [A]	32.00	12.00	18.40	18.00
	MFA [A]	40.00	20.00	25.00	25.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.60	3.60	3.25	3.92
	COP (Nominal Heating) [kW/kW]	4.10	4.10	3.86	-
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Inverter Scroll
	Output [kW x n]	(4.12 x 1)	(4.12 x 1)	(4.92 x 1)	(4.96 x 1)
	Model Name	UG5T450FUEJXSG	UG5T450FUFJXSG	UG5T520FUBJX	DS-GB052FAVAD
	Oil Type	PVE	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,700 x 1)	(1,700 x 1)	(1,700 x 1)	(2,800 x 1)
Fan	Type	Propeller	Propeller	Propeller	Propeller
	Output x n [W]	(125.00 x 2)	(125.00 x 2)	(139.00 x 2)	(180.00 x 2)
	Air Flow Rate [CMM]	(100.00 x 1)	(100.00 x 1)	(135.00 x 1)	(135.00 x 1)
	Air Flow Rate [l/s]	(1,666.70 x 1)	(1,666.70 x 1)	(2,250.00 x 1)	(2,250.00 x 1)
	External Static Pressure (Max) [mmAq]	3.00	3.00	3.00	-
	External Static Pressure (Max) [Pa]	29.40	29.40	29.40	-
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	19.05	19.05	19.05	19.05
	Gas Pipe [Ø, inch]	3/4"	3/4"	3/4"	3/4"
	Installation Limitation [Max Length]	150	150	100	100
	Installation Limitation [Max Height]	50	50	30	30
Refrigerant	Type	R410A	R410A	R410A	R410A
	Factory Charging [kg]	3.3	3.3	3.7	3.3
Sound	Sound Pressure [dB(A)]	53	53	59	56
	Sound Power [dB(A)]	55	55	77	58
External Dimension (Outdoor Unit)	Net Weight [kg]	103.0	103.0	115.0	134.0
	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,420 x 330	940 x 1,420 x 330
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-20.0 ~ 26.0	-20.0 ~ 26.0	-20.0 ~ 24.0	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.

DVM S ECO
SPECIFICATION

50Hz
HEAT PUMP

DVM S ECO

Model Code		AM100KXMDGH	AM120KXMDGH	AM140KXMDGH
Features	Type	DVM S ECO	DVM S ECO	DVM S ECO
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP	10	12	14
	Cooling*1 [kW]	28.00	33.50	40.00
	Cooling*1 [Btu/hr]	95,500	114,300	136,500
	Cooling*2 [kW]	28.90	34.35	41.00
	Cooling*2 [Btu/hr]	98,600	117,200	139,900
	Heating [kW]	31.50	37.50	45.00
	Heating [Btu/hr]	107,500	128,000	153,500
Maximum number of connectible indoor units [ea]		18	21	26
Power Input (Nominal)	Cooling [kW]	7.29	8.77	10.59
	Heating [kW]	6.74	7.81	9.88
Current Input (Nominal)	Cooling [A]	11.50	13.70	16.50
	Heating [A]	10.600	12.20	15.60
	MCA [A]	21.50	23.50	32.00
	MFA [A]	30.00	30.00	40.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.84	3.82	3.78
	COP (Nominal Heating) [kW/kW]	4.67	4.80	4.55
Compressor	Type	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Output [kW x n]	(5.18 x 1)	(6.39 x 1)	(6.76 x 1)
	Model Name	DS-GB052FAVB	DS-GB066FAVB	DS-GB070FAVA
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(2,300 x 1)	(2,300 x 1)	(2,300 x 1)
Fan	Type	Propeller	Propeller	Propeller
	Output x n [W]	(244.00 x 2)	(244.00 x 2)	(244.00 x 2)
	Air Flow Rate [CMM]	(165.00 x 1)	(166.00 x 1)	(180.00 x 1)
	Air Flow Rate [l/s]	(2,750.00 x 1)	(2,766.70 x 1)	(3,000.00 x 1)
	External Static Pressure (Max) [mmAq]	3.00	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	12.70	12.70
	Liquid Pipe [Ø, inch]	3/8"	1/2"	1/2"
	Gas Pipe [Ø, mm]	22.22	28.58	28.58
	Gas Pipe [Ø, inch]	7/8"	1-1/8"	1-1/8"
	Installation Limitation [Max Length]	160	160	160
	Installation Limitation [Max Height]	40	40	40
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	3.7	4.3	4.8
Sound	Sound Pressure [dB(A)]	58	59	62
	Sound Power [dB(A)]	60	61	64
External Dimension (Outdoor Unit)	Net Weight [kg]	145.0	155.0	162.0
	Net Dimensions (WxHxD) [mm]	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460
Operating Temp. Range	Cooling [°C]	-5.0 ~ 52.0	-5.0 ~ 52.0	-5.0 ~ 52.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.

DVM S ECO
SPECIFICATION

50Hz / 60Hz
COOLING ONLY & ANTI CORROSION

DVM S ECO

Model Code		AM050MXMKKC	AM060MXMKKC
Features	Type	DVM S ECO (NEW)	DVM S ECO (NEW)
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60
System	Mode	Cooling Only	Cooling Only
Capacity	HP	5	6
	Cooling*1 [kW]	14.51	16.00
	Cooling*1 [Btu/hr]	49,500	54,600
	Cooling*2 [kW]	14.98	16.35
	Cooling*2 [Btu/hr]	51,100	55,800
	Heating [kW]	-	-
	Heating [Btu/hr]	-	-
Maximum number of connectible indoor units [ea]		8	9
Power Input (Nominal)	Cooling [kW]	3.90	4.20
	Heating [kW]	-	-
Current Input (Nominal)	Cooling [A]	19.00	20.20
	Heating [A]	-	-
	MCA [A]	24.00	32.00
	MFA [A]	32.00	40.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.72	3.81
	COP (Nominal Heating) [kW/kW]	-	-
Compressor	Type	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1
	Output [kW x n]	(4.12 x 1)	(4.12 x 1)
	Model Name	UG5T450FUEJXSG x 1	DS-GB070FAVA
	Oil Type	PVE	PVE
	Oil Initial Charge [cc]	(1,700 x 1)	(1,700 x 1)
Fan	Type	Propeller / BLDC	Propeller / BLDC
	Output x n [W]	(125.00 x 1)	(125.00 x 2)
	Air Flow Rate [CMM]	(60.00 x 1)	(100.00 x 1)
	Air Flow Rate [l/s]	(1,000.00 x 1)	(1,666.67 X 1)
	External Static Pressure (Max) [mmAq]	-	-
	External Static Pressure (Max) [Pa]	-	-
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	19.05
	Gas Pipe [Ø, inch]	5/8"	3/4"
	Installation Limitation [Max Length]	80	175
	Installation Limitation [Max Height]	30	50
Refrigerant	Type	R410A	R410A
	Factory Charging [kg]	2.0	2.8
Sound	Sound Pressure [dB(A)]	51	53
	Sound Power [dB(A)]	-	-
External Dimension (Outdoor Unit)	Net Weight [kg]	76.0	95.0
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 1,210 x 330
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-	-

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.

MEMO

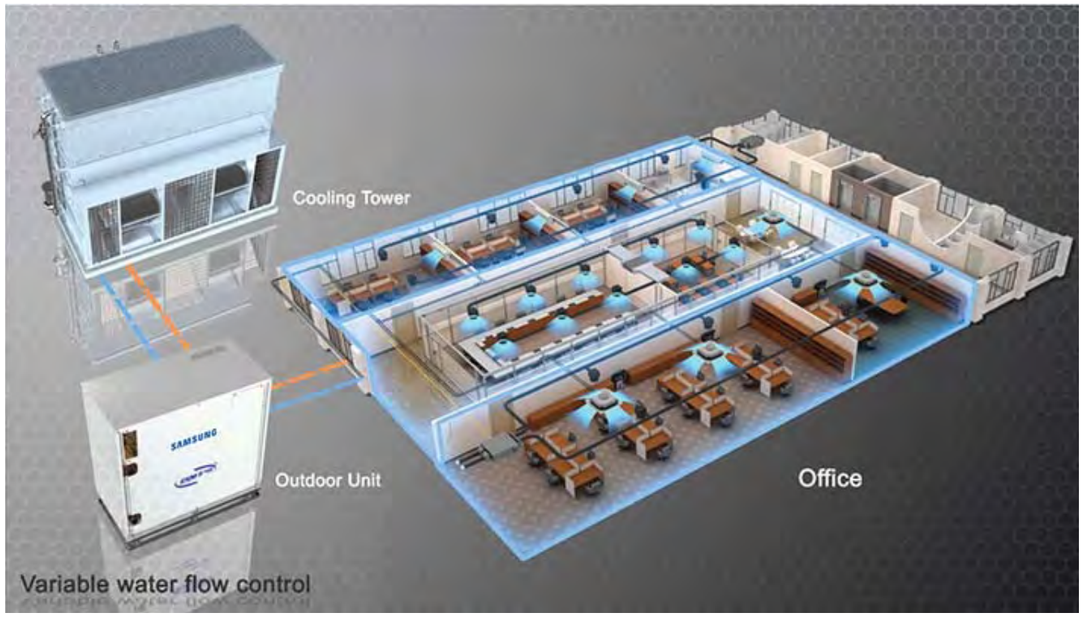
DVM S WATER

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

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

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

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



Enhanced the atmosphere and control costs with high energy efficiency

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

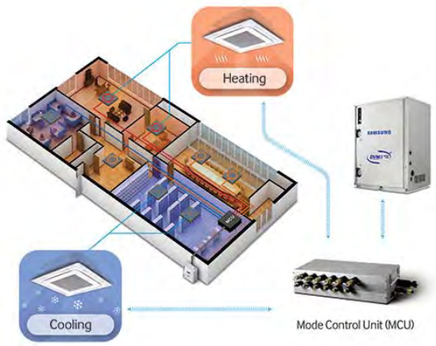
DVM S WATER

Energy-efficient rapid heating and cooling

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

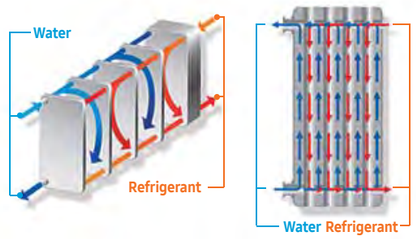
Independent cooling and heating

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



Decreased maintenance and energy costs

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



Simplify installation with a cost-saving, adaptable design

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

Economical design and setup

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

DVM S WATER
SPECIFICATION

DVM S WATER

Model Code		AM080MXWANR	AM100MXWANR	AM120MXWANR
Features	Type	DVM S Water	DVM S Water	DVM S Water
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50 / 60	3,4,380-415,50 / 60	3,4,380-415,50 / 60
System	Mode	HP/HR	HP/HR	HP/HR
Capacity (Nominal)	Ton	6.37	7.96	9.55
	Cooling*1 [Btu/hr]	76,400	95,500	114,600
	Cooling*2 [Btu/hr]	77,300	96,700	116,000
	Heating [Btu/hr]	86,000	107,500	129,000
Maximum number of connectable indoor units [ea]		14	18	22
Total Capacity (min)		11.2	14.0	16.8
Total Capacity (max)		29.1	36.4	43.7
Power Input (Nominal)	Cooling [kW]	3.67	4.87	6.00
	Heating [kW]	3.97	5.04	6.25
Current Input (Nominal)	MCA [A]	16.10	16.10	20.00
	MFA [A]	20.00	20.00	25.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	6.10	5.75	5.60
	COP (Nominal Heating) [kW/kW]	6.35	6.25	6.05
Compressor	Type	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Output [kW x n]	(5.18 x 1)	(5.18 x 1)	(6.39 x 1)
	Model Name	DS-GB052FAVB x 1	DS-GB052FAVB x 1	DS-GB066FAVB x 1
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 1)	(1,100 x 1)	(1,100 x 1)
Condenser	Type	PHE (Plate Heat Exchanger)	PHE (Plate Heat Exchanger)	PHE (Plate Heat Exchanger)
	Pipe Size [Ø, inch]	PT1-1/4"	PT1-1/4"	PT1-1/4"
	Lost Head [kPa (ftAq)]	22 (7.4)	30 (10.0)	43 (14.4)
	Water Flow Rate [LPM (GPM)]	80.0	96.0	114.0
	Max Pressure [Mpa (psi)]	1.96	1.96	1.96
Piping Connections	Liquid Pipe [type]	Brazed Connection	Brazed Connection	Brazed Connection
	Liquid Pipe [Ø, mm]	9.52	9.52	12.70
	Liquid Pipe [Ø, inch]	3/8"	3/8"	1/2"
	Gas Pipe [type]	Brazed Connection	Brazed Connection	Brazed Connection
	Gas Pipe [Ø, mm]	19.05	22.22	28.58
	Gas Pipe [Ø, inch]	3/4"	7/8"	1-1/8"
	Heat Insulation	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
	Max. Piping Length (ODU-IDU) [m]	170	170	170
	Max. Piping Length After branch [m]	90	90	90
	Total Piping Length [m]	500	500	500
	Level Diff Outdoor unit in highest position [m]	50	50	50
	Level Diff Indoor unit in highest position [m]	40	40	40
	Max. Level Diff	50	50	50
Refrigetant	Type	R140A	R140A	R140A
	Factory Charging [kg]	5.5	5.8	6.0
Sound	Sound Pressure [dB(A)]	45	47	47
	Sound Power [dB(A)]	60	62	67
External Dimension (Outdoor Unit)	Net Weight [kg]	160.0	160.0	160.0
	Net Dimensions (WxHxD) [mm]	770 x 1,000 x 545	770 x 1,000 x 545	770 x 1,000 x 545
Operating Temp. Range	Cooling [°C]	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0
	Heating [°C]	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB, Inlet water temperature : 30°C, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB, Inlet water temperature : 30°C, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB, Inlet water temperature : 20°C, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A (GWP=2,088) which is fluorinated greenhouse gas.
5) Total capacity of the connected indoor units can be allowed from 50% to 130% of the total outdoor unit capacity 0.5 ∑(Outdoor unit capacity) ≤ Total capacity of the connected indoor unit ≤ 1.3 x ∑(Outdoor unit capacity)
6) You can connect maximum 64 indoor units to the outdoor unit. Maximum quantity of the connectable indoor unit is set to 64 since outdoor unit only support up to 64 communication address.
Indoor unit address can be assigned from indoor unit address was assigned from 64~79, E201 error will occur 0~63. If the indoor unit address was assigned from 64~79, E201 error will occur.

DVM S WATER
SPECIFICATION

DVM S WATER

Model Code		AM200MXWANR	AM300KXWANR
Features	Type	DVM S Water	DVM S Water
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50 / 60	3,4,380-415,50 / 60
System	Mode	HP/HR	HP/HR
Capacity (Nominal)	Ton	15.92	23.90
	Cooling*1 [Btu/hr]	191,100	286,600
	Cooling*2 [Btu/hr]	193,400	290,000
	Heating [Btu/hr]	215,000	322,400
Maximum number of connectable indoor units [ea]		36	55
Total Capacity (min)		28.0	42.0
Total Capacity (max)		72.8	109.2
Power Input (Nominal)	Cooling [kW]	10.77	16.80
	Heating [kW]	10.86	16.88
Current Input (Nominal)	MCA [A]	31.80	48.00
	MFA [A]	40.00	63.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	5.20	5.43
	COP (Nominal Heating) [kW/kW]	5.80	5.95
Compressor	Type	Inverter Scroll	Inverter Scroll
	Output [kW x n]	(5.18 x 2)	(6.75 x 2)
	Model Name	DS-GB052FAVB x 2	DS-GB070FAVASG x 2
	Oil Type	PVE	PVE
	Oil Initial Charge [cc]	(1,100 x 2)	(1,100 x 2)
Condenser	Type	PHE (Plate Heat Exchanger)	PHE (Plate Heat Exchanger)
	Pipe Size [Ø, inch]	PT1-1/4"	PT2"
	Lost Head [kPa (ftAq)]	54 (18.1)	50 (16.7)
	Water Flow Rate [LPM (GPM)]	190.0	285.0
	Max Pressure [Mpa (psi)]	1.96	1.96
Piping Connections	Liquid Pipe [type]	Brazed Connection	Brazed Connection
	Liquid Pipe [Ø, mm]	28.58	19.05
	Liquid Pipe [Ø, inch]	1-1/8"	3/4"
	Gas Pipe [type]	Brazed Connection	Brazed Connection
	Gas Pipe [Ø, mm]	28.58	28.58
	Gas Pipe [Ø, inch]	1-1/8"	1-1/8"
	Heat Insulation	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
	Max. Piping Length (ODU-IDU) [m]	170	170
	Max. Piping Length After branch [m]	90	90
	Total Piping Length [m]	500	500
	Level Diff Outdoor unit in highest position [m]	50	50
	Level Diff Indoor unit in highest position [m]	40	40
	Max. Level Diff	50	50
Refrigetant	Type	R140A	R140A
	Factory Charging [kg]	9.8	11.0
Sound	Sound Pressure [dB(A)]	50	56
	Sound Power [dB(A)]	70	75
External Dimension (Outdoor Unit)	Net Weight [kg]	240.0	280.0
	Net Dimensions (WxHxD) [mm]	1,100 x 1,000 x 545	1,100 x 1,000 x 545
Operating Temp. Range	Cooling [°C]	10.0 ~ 45.0	10.0 ~ 45.0
	Heating [°C]	10.0 ~ 45.0	10.0 ~ 45.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB, Inlet water temperature : 30°C, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB, Inlet water temperature : 30°C, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB, Inlet water temperature : 20°C, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A (GWP=2,088) which is fluorinated greenhouse gas.
5) Total capacity of the connected indoor units can be allowed from 50% to 130% of the total outdoor unit capacity 0.5 ∑(Outdoor unit capacity) ≤ Total capacity of the connected indoor unit ≤ 1.3 x ∑(Outdoor unit capacity)
6) You can connect maximum 64 indoor units to the outdoor unit. Maximum quantity of the connectable indoor unit is set to 64 since outdoor unit only support up to 64 communication address.
Indoor unit address can be assigned from indoor unit address was assigned from 64~79, E201 error will occur 0~63. If the indoor unit address was assigned from 64~79, E201 error will occur.

DVM CHILLER

Easy to move and install modular design

Its modular design and compact size reduce the time, cost and effort to transport, move and install it on site.
With a small footprint it's easy to fit and combine multiple units even when there's limited space.

Easily Increase Performance & Save Space

Its compatibility, large capacity and high space efficiency make it perfect for replacing chillers as it cuts down maintenance costs and frees up valuable space, while expanding overall capacity.

DVM CHILLER

Simply expand capacity on demand

A modular design provides a wide choice of configurations. You can simply and flexibly combine modules and expand capacity from 12 to 320 ton in various ways to optimize energy and space savings or a balance of both.

Work Silently at Night

A Night Silent Mode means it operates at 3 different levels and works silently at night. It adjusts the speed of the compressors and fans, so they supply the required cooling, but provide a better sound performance.

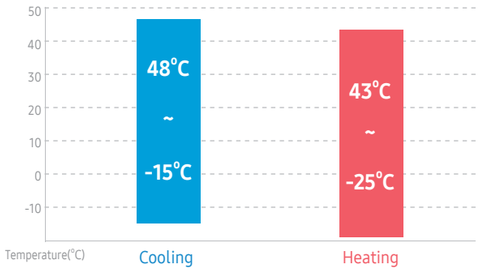
Powerful Heating Performance

DVM Chiller can operate over 45°C hot water supply heating performance at -20°C with flash injection technology.

Powerful Heating Performance

Wide Temperature Range of Operation

Cooling -15°C ~ 48°C
Heating -25°C ~ 43°C



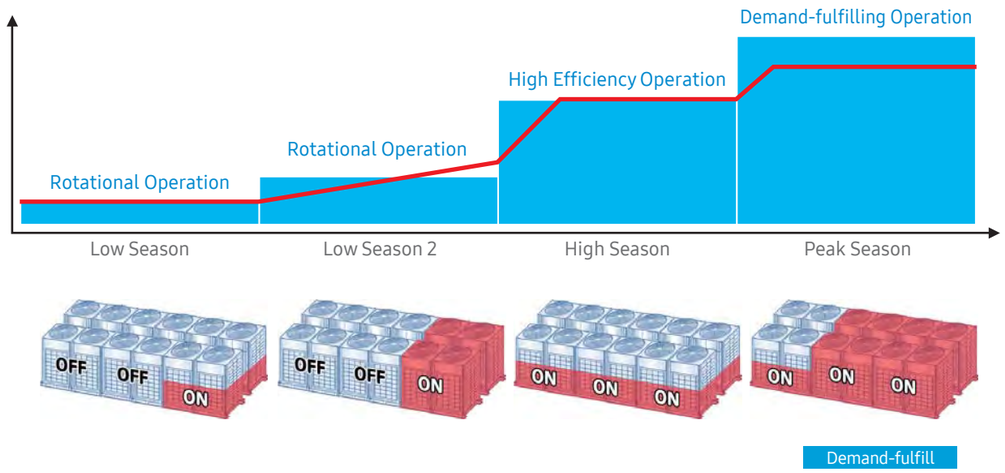
DVM CHILLER

Advanced performance & energy efficiency

The DVM Chiller's advanced technology delivers a consistently higher performance and reduces wasted energy. It has a highly efficient BLDC inverter compressor with flash injection technology and Evaporative Condenser.

Energy saving operation(ESEER)

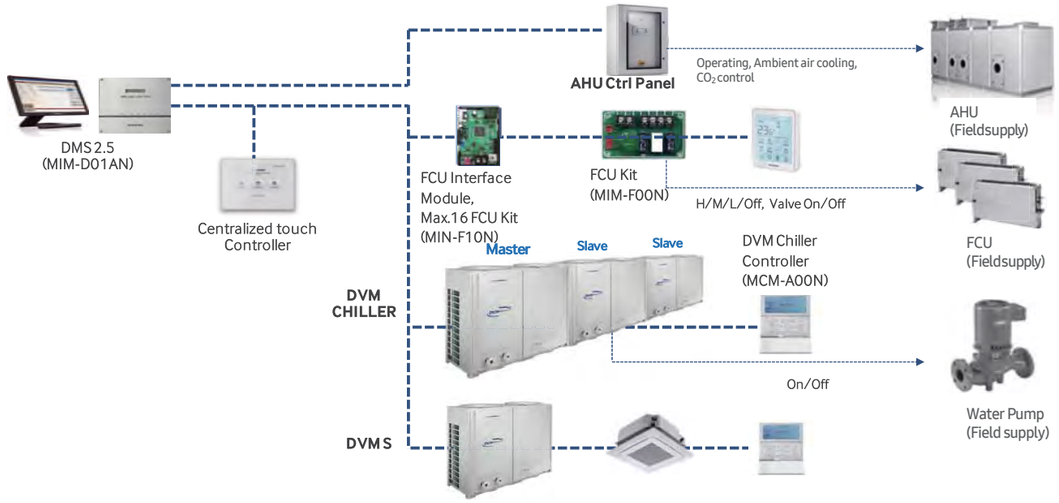
Various modes for different types of operational requirements



DVM CHILLER

Centrally control all systems

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



DVM CHILLER

Model Code		AG042KSVANH	AG056KSVANH	AG070KSVANH
Features	Type	Module Chiller	Module Chiller	Module Chiller
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50 / 60	3,4,380-415,50 / 60	3,4,380-415,50 / 60
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP [kW]	15	20	25
	Ton [usRT]	12.00	16.00	18.50
	Cooling [kW]	42.00	56.00	65.00
	Heating [kW]	42.00	56.00	69.50
Power Input (Nominal)	Cooling [kW]	12.35	18.67	26.00
	Heating [kW]	11.83	17.50	24.39
Current Input (Nominal)	Cooling [A]	19.60	29.60	41.20
	Heating [A]	18.80	27.80	38.70
Power	MCA [MVA]	7.094	7.094	13.983
	MCA [A]	32.00	46.00	58.00
	MFA [A]	40.00	60.00	75.00
Heat Exchanger	EER (Nominal Cooling)	3.40	3.00	2.50
	COP (Nominal Heating)	3.55	3.20	2.85
	ikW/RT [kW/RT]	1.03	1.17	1.41
Compressor	Type	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Output [kW x n]	(6.76 x 2)	(6.76 x 2)	(6.76 x 2)
	Model Name	DS-GB070FAVA	DS-GB070FAVA	DS-GB070FAVA
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(3,400 x 1)	(3,400 x 1)	(3,400 x 1)
Fan	Type	Propeller	Propeller	Propeller
	Quantity [ea]	2	2	2
	Air Flow Rate [CMM]	364.00 (182.00 x 2)	364.00 (182.00 x 2)	392.00 (196.00 x 2)
	Air Flow Rate [l/s]	(6,067.00 x 1)	(6,067.00 x 1)	(6,535.00 x 1)
	External Static Pressure Max [mmAq]	8.00	8.00	8.00
	External Static Pressure Max [Pa]	78.50	78.50	78.50
	Fan Motor Type	BLDC Motor	BLDC Motor	BLDC Motor
	Fan Motor Output x n [w]	(630.00 x 2)	(630.00 x 2)	(630.00 x 2)
Waterside Heat Exchanger	Type	Brazing Plate	Brazing Plate	Brazing Plate
	Water Flow Rate (Cooling / Heating) [LPM]	120.0 / 120.0	160.0 / 160.0	186.0 / 200.0
	Water Pressure Drop (Set. Nominal) [kPa]	60.00	100.00	120.00
	Max. Operating Pressure [MPA]	1.00	1.00	1.00
	Connection Type	Flange	Flange	Flange
	Pipe Connections Inlet / Outlet [Ø, mm]	40	40	50
	Pipe Connections Inlet / Outlet [Ø, inch]	1-1/2"	1-1/2"	2"
	Quantity [ea]	2	2	2
Pump	Type	-	-	-
	Input x n [kW]	-	-	-
	Output x n [W]	-	-	-
	Nominal Water Flow Rate [LPM]	-	-	-
	Nominal Water Flow Rate [l/s]	-	-	-
	External Static Pressure Max [mAq]	-	-	-
	External Static Pressure Max [kPa]	-	-	-
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	18.0	18.0	18.0
Sound	Pressure Cooling [dB(A)]	60	62	63
	Pressure Heating [dB(A)]	57	59	64
	Power [dB(A)]	80	83	85
External Dimension	Net Weight [kg]	446.0	446.0	465.0
	Net Dimension (WxHxD) [mm]	1,795 x 1,695 x 765	1,795 x 1,695 x 765	1,795 x 1,695 x 765
Operating Water Temperature Range	Cooling [°C]	5.0 ~ 25.0	5.0 ~ 25.0	5.0 ~ 25.0
	Cooling (if using brine) [°C]	-10.0 ~ 25.0	-10.0 ~ 25.0	-10.0 ~ 25.0
	Heating [°C]	25.0 ~ 55.0	25.0 ~ 55.0	25.0 ~ 55.0
Operating Water Flow Range	Water Flow Rate [LPM]	60 ~ 240	80 ~ 320	93 ~ 400
	Minimum Water Storage in the System [L]	294	392	490
Operating Temperature Range	Cooling [°C]	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0
	Heating [°C]	-25.0 ~ 43.0	-25.0 ~ 43.0	-25.0 ~ 43.0

*Specification may be subject to change without prior notice.
1) Specification comply with EN14511.
2) Nominal cooling capacities are based on; Chilled water inlet / Outlet temperature : 12 / 7°C, Outdoor temperature : 35°C DB, 24°C WB.
3) Nominal heating capacities are based on; Heating water inlet / Outlet temperature : 40 / 45°C, Outdoor temperature : 7°C DB, 6°C WB.
4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Integrated management system

DMS 2.5 (MIM-D01AND2)

BACnet gateway (MIM-B17BNDZ)

LonWorks gateway (MIM-B18BNDZ)

Controller

Centralized controller (MCM-A300NDZ)

Module controller (MCM-A00NDZ)

FCU controller

FCU interface module (MIM-F10NDZ)

DVM CHILLER
SPECIFICATION

50Hz / 60Hz
HEAT PUMP

DVM CHILLER

Model Code		AG042KSVGNH	AG056KSVGNH	AG070KSVGNH
Features	Type	Module Chiller	Module Chiller	Module Chiller
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50 / 60	3,4,380-415,50 / 60	3,4,380-415,50 / 60
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	HP [kW]	15	20	25
	Ton [usRT]	12.00	16.00	18.50
	Cooling [kW]	42.00	56.00	65.00
	Heating [kW]	42.00	56.00	69.50
Power Input (Nominal)	Cooling [kW]	13.59	20.14	28.26
	Heating [kW]	12.77	18.48	25.84
Current Input (Nominal)	Cooling [A]	24.20	34.20	45.80
	Heating [A]	23.40	32.40	43.30
Power	MCA [MVA]	8.078	11.172	15.081
	MCA [A]	39.00	53.00	65.00
	MFA [A]	50.00	60.00	75.00
Heat Exchanger	EER (Nominal Cooling)	3.09	2.78	2.30
	COP (Nominal Heating)	3.29	3.03	2.69
	ikW/RT [kW/RT]	1.13	1.26	1.53
Compressor	Type	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Output [kW x n]	(6.76 x 2)	(6.76 x 2)	(6.76 x 2)
	Model Name	DS-GB070FAVA	DS-GB070FAVA	DS-GB070FAVA
	Oil Type	PVE	PVE	PVE
	Oil Initial Charge [cc]	(3,400 x 1)	(3,400 x 1)	(3,400 x 1)
Fan	Type	Propeller	Propeller	Propeller
	Quantity [ea]	2	2	2
	Air Flow Rate [CMM]	364.00 (182.00 x 2)	364.00 (182.00 x 2)	392.00 (196.00 x 2)
	Air Flow Rate [l/s]	(6,067.00 x 1)	(6,067.00 x 1)	(6,535.00 x 1)
	External Static Pressure Max [mmAq]	8.00	8.00	8.00
	External Static Pressure Max [Pa]	78.50	78.50	78.50
	Fan Motor Type	BLDC Motor	BLDC Motor	BLDC Motor
	Fan Motor Output x n [w]	(630.00 x 2)	(630.00 x 2)	(630.00 x 2)
Waterside Heat Exchanger	Type	Brazing Plate	Brazing Plate	Brazing Plate
	Water Flow Rate (Cooling / Heating) [LPM]	120.0 / 120.0	160.0 / 160.0	186.0 / 200.0
	Water Pressure Drop (Set. Nominal) [kPa]	60.00	100.00	120.00
	Max. Operating Pressure [MPA]	1.00	1.00	1.00
	Connection Type	Flange	Flange	Flange
	Pipe Connections Inlet / Outlet [Ø, mm]	40	40	50
	Pipe Connections Inlet / Outlet [Ø, inch]	1-1/2"	1-1/2"	2"
	Quantity [ea]	2	2	2
Pump	Type	End Suction	End Suction	End Suction
	Input x n [kW]	1.68	1.68	1.68
	Output x n [W]	1.45	1.45	1.45
	Nominal Water Flow Rate [LPM]	120.0 / 120.0	120.0 / 120.0	186.0 / 200.0
	Nominal Water Flow Rate [l/s]	2.00 / 2.00	2.70 / 2.70	3.10 / 3.30
	External Static Pressure Max [mAq]	22.40 / 22.40	15.30 / 15.30	10.20 / 10.20
	External Static Pressure Max [kPa]	220.00 / 220.00	150.00 / 150.00	131.00 / 100.00
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging [kg]	18.0	18.0	18.0
Sound	Pressure Cooling [dB(A)]	60	62	63
	Pressure Heating [dB(A)]	57	59	64
	Power [dB(A)]	80	84	88
External Dimension	Net Weight [kg]	472.0	472.0	493.0
	Net Dimension (WxHxD) [mm]	1,795 x 1,695 x 765	1,795 x 1,695 x 765	1,795 x 1,695 x 765
Operating Water Temperature Range	Cooling [°C]	5.0 ~ 25.0	5.0 ~ 25.0	5.0 ~ 25.0
	Cooling (if using brine) [°C]	-10.0 ~ 25.0	-10.0 ~ 25.0	-10.0 ~ 25.0
	Heating [°C]	25.0 ~ 55.0	25.0 ~ 55.0	25.0 ~ 55.0
Operating Water Flow Range	Water Flow Rate [LPM]	60 ~ 240	80 ~ 320	93 ~ 400
	Minimum Water Storage in the System [L]	294	392	490
Operating Temperature Range	Cooling [°C]	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0
	Heating [°C]	-25.0 ~ 43.0	-25.0 ~ 43.0	-25.0 ~ 43.0

*Specification may be subject to change without prior notice.
1) Specification comply with EN14511.
2) Nominal cooling capacities are based on; Chilled water inlet / Outlet temperature : 12 / 7°C, Outdoor temperature : 35°C DB, 24°C WB.
3) Nominal heating capacities are based on; Heating water inlet / Outlet temperature : 40 / 45°C, Outdoor temperature : 7°C DB, 6°C WB.
4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Integrated management system

DMS 2.5 (MIM-D01AND2)

BACnet gateway (MIM-B17BNDZ)

LonWorks gateway (MIM-B18BNDZ)

Controller

Centralized controller (MCM-A300NDZ)

Module controller (MCM-A00NDZ)

FCU controller

FCU interface module (MIM-F10NDZ)

FCU (CHILLED WATER COIL)
SPECIFICATION

360 CASSETTE

Model Code		AG060MN4PKH	AG072MN4PKH	AG090MN4PKH	AG105MN4PKH
Features	Type	360 CASSETTE	360 CASSETTE	360 CASSETTE	360 CASSETTE
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,220~240,50 / 60	1,220~240,50 / 60	1,220~240,50 / 60	1,220~240,50 / 60
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling*1 [kW]	6.00	7.20	9.00	10.00
	Cooling*1 [Btu/hr]	20,500	24,600	30,700	34,100
	Cooling*2 [kW]	6.50	7.80	9.70	10.80
	Cooling*2 [Btu/hr]	22,178	26,614	33,096	36,850
	Heating [kW]	7.30	8.50	10.00	10.70
	Heating [Btu/hr]	24,900	29,000	34,100	36,500
Power Input (Nominal)	Cooling [W]	58.00	58.00	77.00	100.00
	Heating [W]	58.00	58.00	77.00	100.00
Current Input (Nominal)	Cooling [A]	0.50	0.50	0.62	0.79
	Heating [A]	0.50	0.50	0.62	0.79
Heat exchanger	Type	Fin&Tube	Fin&Tube	Fin&Tube	Fin&Tube
	Material (Fin)	AL	AL	AL	AL
	Material (Tube)	CU	CU	CU	CU
	Fin treatment	Green hydrophile	Green hydrophile	Green hydrophile	Green hydrophile
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity [EA]	1	1	1	1
	Air Flow Rate (H / M / L (UL)) [CMM]	(21.00 x 1)/(17.50 x 1)/ (15.00 x 1)	(25.50 x 1)/(22.00 x 1)/ (19.80 x 1)	(29.50 x 1)/(24.00 x 1)/ (19.80 x 1)	(31.50 x 1)/(22.50 x 1)/ (19.80 x 1)
	Air Flow Rate (H / M / L (UL)) [l/s]	-	-	-	-
Fan motor	Type	BLDC	BLDC	BLDC	BLDC
	Motor Output x n [W]	(65.00 X 1)	(97.00 X 1)	(97.00 X 1)	(97.00 X 1)
Water	Water Flow Rate (Cooling) [LPM]	17.5	20.8	26.0	28.9
	Water Flow Rate (Heating) [LPM]	21.1	24.5	28.9	30.9
	Loss of Head (Cooling) [kPa]	27.00	26.00	38.50	47.40
	Loss of Head (Heating) [kPa]	37.60	35.60	47.40	53.20
Piping Connections	Liquid Pipe (IN) [Ø, mm]	20A	20A	20A	20A
	Liquid Pipe (IN) [Ø, inch]	PF 3/4"	PF 3/4"	PF 3/4"	PF 3/4"
	Liquid Pipe (OUT) [Ø, mm]	20A	20A	20A	20A
	Liquid Pipe (OUT) [Ø, inch]	PF 3/4"	PF 3/4"	PF 3/4"	PF 3/4"
	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Field Wiring	Power Source Wire [mm²]	1.50 ~ 2.50	1.50 ~ 2.50	1.50 ~ 2.50	1.50 ~ 2.50
	Transmission Cable [mm²]	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Sound	Sound Pressure (H / M / L) [dB(A)]	40 / 37 / 32	39 / 35 / 33	43 / 38 / 33	45 / 39 / 33
	Sound Power (Cooling) [dB(A)]	57	58	60	62
Dimensions	Net Weight [kg]	21.0	25.0	25.0	25.0
	Shipping Weight [kg]	25.5	29.5	29.5	29.5
	Net Dimensions (W×H×D) [mm]	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Shipping Dimensions (W×H×D) [mm]	990 x 330 x 990	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990
Panel	Panel model	PC4NUDMANDZ	PC4NUDMANDZ	PC4NUDMANDZ	PC4NUDMANDZ
	Panel Net weight [kg]	3.6 / 2.7	3.6 / 2.7	3.6 / 2.7	3.6 / 2.7
	Shipping Weight [kg]	6.3 / 5.3	6.3 / 5.3	6.3 / 5.3	6.3 / 5.3
	Net Dimensions (W×H×D) [mm]	1,050 x 66 x 1,050	1,050 x 66 x 1,050	1,050 x 66 x 1,050	1,050 x 66 x 1,050
	Shipping Dimensions (W×H×D) [mm]	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083	1,093 x 85 x 1,083
Additional Accessories	Drain Pump Type	Bulit in	Bulit in	Bulit in	Bulit in
	Max lifting height / Displacement [mm /(cc/min)]	750 / 400	750 / 400	750 / 400	750 / 400
	Filter	Microfibrous filter	Microfibrous filter	Microfibrous filter	Microfibrous filter

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB / Water In/Out temperature : 7°C, 12°C
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB / Water In/Out temperature : 7°C, 12°C
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB / Water In/Out temperature : 45°C, 40°C
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) Select wire size based on the value of MCA

Individual Controllers (Optional)


MWR-WE11NDZ


AR-KH00EDZ

Panel (Optional)


PC4NUDMANDZ


PC4NBDMANDZ


PC4NUNMANDZ


PC4NBNMANDZ

FCU (CHILLED WATER COIL)
SPECIFICATION

4 WAY CASSETTE

Model Code		AG060MN4DKH	AG072MN4DKH
Features	Type	4 WAY CASSETTE	4 WAY CASSETTE
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,220~240,50 / 60	1,220~240,50 / 60
System	Mode	Heat Pump	Heat Pump
Capacity	Cooling*1 [kW]	6.00	7.20
	Cooling*1 [Btu/hr]	20,500	24,600
	Cooling*2 [kW]	6.50	7.80
	Cooling*2 [Btu/hr]	22,178	26,614
	Heating [kW]	7.30	8.50
	Heating [Btu/hr]	24,900	29,000
Power Input (Nominal)	Cooling [W]	50.00	73.00
	Heating [W]	50.00	73.00
Current Input (Nominal)	Cooling [A]	0.37	0.50
	Heating [A]	0.50	0.50
Heat exchanger	Type	Fin&Tube	Fin&Tube
	Material (Fin)	AL	AL
	Material (Tube)	CU	CU
	Fin treatment	Green hydrophile	Green hydrophile
Fan	Type	Turbo Fan	Turbo Fan
	Quantity [EA]	1	1
	Air Flow Rate (H / M / L (UL)) [CMM]	(18.90 x 1) / (16.50 x 1) / (13.60 x 1)	(21.30 x 1) / (18.20 x 1) / (13.60 x 1)
	Air Flow Rate (H / M / L (UL)) [l/s]	-	-
Fan motor	Type	BLDC	BLDC
	Motor Output x n [W]	(65.00 X 1)	(65.00 X 1)
Water	Water Flow Rate (Cooling) [LPM]	17.5	20.8
	Water Flow Rate (Heating) [LPM]	21.1	24.5
	Loss of Head (Cooling) [kPa]	27.00	36.00
	Loss of Head (Heating) [kPa]	37.30	48.60
Piping Connections	Liquid Pipe (IN) [Ø, mm]	20A	20A
	Liquid Pipe (IN) [Ø, inch]	PF 3/4"	PF 3/4"
	Liquid Pipe (OUT) [Ø, mm]	20A	20A
	Liquid Pipe (OUT) [Ø, inch]	PF 3/4"	PF 3/4"
	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Field Wiring	Power Source Wire [mm²]	1.50 ~ 2.50	1.50 ~ 2.50
	Transmission Cable [mm²]	0.75 ~ 1.50	0.75 ~ 1.50
Sound	Sound Pressure (H / M / L) [dB(A)]	37 / 33 / 30	41 / 35 / 30
	Sound Power (Cooling) [dB(A)]	56	60
Dimensions	Net Weight [kg]	15.5	15.5
	Shipping Weight [kg]	19.0	19.0
	Net Dimensions (W×H×D) [mm]	840 x 204 x 840	840 x 204 x 840
	Shipping Dimensions (W×H×D) [mm]	898 x 275 x 898	898 x 275 x 898
Panel	Panel model	PC4NUSKANDZ	PC4NUSKANDZ
	Panel Net weight [kg]	5.9	5.9
	Shipping Weight [kg]	8.5	8.5
	Net Dimensions (W×H×D) [mm]	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (W×H×D) [mm]	1,005 x 100 x 1,005	1,005 x 100 x 1,005
Additional Accessories	Drain Pump Type	Bulit in	Bulit in
	Max lifting height / Displacement [mm /(cc/min)]	750 / 400	750 / 400
	Filter	Microfibrous filter	Microfibrous filter

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB / Water In/Out temperature : 7°C, 12°C
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB / Water In/Out temperature : 7°C, 12°C
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB / Water In/Out temperature : 45°C, 40°C
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) Select wire size based on the value of MCA

Individual Controllers (Optional)


MWR-WE11NDZ


MWR-SH10NDZ


MWR-SH00NDZ


MR-EH00DZ

Panel (Optional)


PC4NUSKANDZ

FCU (CHILLED WATER COIL)
SPECIFICATION

4 WAY CASSETTE

Model Code		AG090MN4DKH	AG105MN4DKH
Features	Type	4 WAY CASSETTE	4 WAY CASSETTE
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,220~240,50 / 60	1,220~240,50 / 60
System	Mode	Heat Pump	Heat Pump
Capacity	Cooling*1 [kW]	9.00	10.00
	Cooling*1 [Btu/hr]	30,700	34,100
	Cooling*2 [kW]	9.70	10.80
	Cooling*2 [Btu/hr]	33,096	36,850
	Heating [kW]	10.00	10.70
	Heating [Btu/hr]	34,100	36,500
Power Input (Nominal)	Cooling [W]	82.00	99.00
	Heating [W]	82.00	99.00
Current Input (Nominal)	Cooling [A]	0.58	0.79
	Heating [A]	0.62	0.79
Heat exchanger	Type	Fin&Tube	Fin&Tube
	Material (Fin)	AL	AL
	Material (Tube)	CU	CU
	Fin treatment	Green hydrophile	Green hydrophile
Fan	Type	Turbo Fan	Turbo Fan
	Quantity [EA]	1	1
	Air Flow Rate (H / M / L (UL)) [CMM]	(23.30 x 1)/(21.30 x 1) / (19.40 x 1)	(30.10 x 1) / (26.20 x 1) / (19.40 x 1)
	Air Flow Rate (H/ M / L (UL)) [l/s]	-	-
Fan motor	Type	BLDC	BLDC
	Motor Output x n [W]	(65.00 X 1)	(97.00 X 1)
Water	Water Flow Rate (Cooling) [LPM]	26.0	28.9
	Water Flow Rate (Heating) [LPM]	28.9	30.9
	Loss of Head (Cooling) [kPa]	46.80	56.30
	Loss of Head (Heating) [kPa]	56.30	63.40
Piping Connections	Liquid Pipe (IN) [Ø, mm]	20A	20A
	Liquid Pipe (IN) [Ø, inch]	PF 3/4"	PF 3/4"
	Liquid Pipe (OUT) [Ø, mm]	20A	20A
	Liquid Pipe (OUT) [Ø, inch]	PF 3/4"	PF 3/4"
	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Field Wiring	Power Source Wire [mm^2]	1.50 ~ 2.50	1.50 ~ 2.50
	Transmission Cable [mm^2]	0.75 ~ 1.50	0.75 ~ 1.50
Sound	Sound Pressure (H / M / L) [dB(A)]	42 / 38 / 35	45 / 40 / 35
	Sound Power (Cooling) [dB(A)]	58	60
Dimensions	Net Weight [kg]	18.0	18.0
	Shipping Weight [kg]	21.5	21.5
	Net Dimensions (W×H×D) [mm]	840 x 246 x 840	840 x 246 x 840
	Shipping Dimensions (W×H×D) [mm]	898 x 316 x 898	898 x 316 x 898
Panel	Panel model	PC4NUSKANDZ	PC4NUSKANDZ
	Panel Net weight [kg]	5.9	5.9
	Shipping Weight [kg]	8.5	8.5
	Net Dimensions (W×H×D) [mm]	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (W×H×D) [mm]	1,005 x 100 x 1,005	1,005 x 100 x 1,005
Additional Accessories	Drain Pump Type	Bulit in	Bulit in
	Max lifting height / Displacement [mm /(cc/min)]	750 / 400	750 / 400
	Filter	Microfibrous filter	Microfibrous filter

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB / Water In/Out temperature : 7°C, 12°C
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB / Water In/Out temperature : 7°C, 12°C
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB / Water In/Out temperature : 45°C, 40°C
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) Select wire size based on the value of MCA

Individual Controllers (Optional)


MWR-WE11NDZ


MWR-SH10NDZ


MWR-SH00NDZ


MR-EH00DZ

Panel (Optional)


PC4NUSKANDZ

FCU (CHILLED WATER COIL)
SPECIFICATION

1 WAY CASSETTE

Model Code		AG026MN1DEH	AG032MN1DEH	AG042MN1DEH
Features	Type	1 WAY CASSETTE	1 WAY CASSETTE	1 WAY CASSETTE
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,220~240,50 / 60	1,220~240,50 / 60	1,220~240,50 / 60
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling*1 [kW]	2.60	3.00	4.15
	Cooling*1 [Btu/hr]	8,900	10,200	14,200
	Cooling*2 [kW]	2.61	3.50	4.50
	Cooling*2 [Btu/hr]	8,900	11,942	15,354
	Heating [kW]	2.90	3.35	5.00
	Heating [Btu/hr]	9,900	11,400	17,100
Power Input (Nominal)	Cooling [W]	47.00	50.00	55.00
	Heating [W]	47.00	50.00	55.00
Current Input (Nominal)	Cooling [A]	0.24	0.26	0.29
	Heating [A]	0.24	0.26	0.29
Heat exchanger	Type	Fin&Tube	Fin&Tube	Fin&Tube
	Material (Fin)	AL	AL	AL
	Material (Tube)	CU	CU	CU
	Fin treatment	Green hydrophile	Green hydrophile	Green hydrophile
Fan	Type	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Quantity [EA]	1	1	1
	Air Flow Rate (H / M / L (UL)) [CMM]	(6.80 x 1) / (5.80 x 1) / (4.90 x 1)	(7.80 x 1) / (6.80 x 1) / (4.90 x 1)	(14.60 x 1) / (12.60 x 1) / (10.70 x 1)
	Air Flow Rate (H / M / L (UL)) [l/s]	-	-	-
Fan motor	Type	BLDC	BLDC	BLDC
	Motor Output x n [W]	(12.00 X 1)	(12.00 X 1)	(54.00 X 1)
Water	Water Flow Rate (Cooling) [LPM]	7.5	9.6	11.9
	Water Flow Rate (Heating) [LPM]	8.4	9.7	14.4
	Loss of Head (Cooling) [kPa]	23.00	34.50	45.00
	Loss of Head (Heating) [kPa]	28.00	35.80	64.60
Piping Connections	Liquid Pipe (IN) [Ø, mm]	20A	20A	20A
	Liquid Pipe (IN) [Ø, inch]	PF 3/4"	PF 3/4"	PF 3/4"
	Liquid Pipe (OUT) [Ø, mm]	20A	20A	20A
	Liquid Pipe (OUT) [Ø, inch]	PF 3/4"	PF 3/4"	PF 3/4"
	Drain Pipe [Ø, mm]	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	VP25 (OD 32, ID 25)
Field Wiring	Power Source Wire [mm^2]	1.50 ~ 2.50	1.50 ~ 2.50	1.50 ~ 2.50
	Transmission Cable [mm^2]	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Sound	Sound Pressure (H / M / L) [dB(A)]	32 / 30 / 28	37/ 33 / 28	40 / 37/ 33
	Sound Power (Cooling) [dB(A)]	49	52	58
Dimensions	Net Weight [kg]	10.5	10.5	14.0
	Shipping Weight [kg]	13.5	13.5	17.5
	Net Dimensions (W×H×D) [mm]	970 x 135 x 410	970 x 135 x 410	1,200 x 138 x 450
	Shipping Dimensions (W×H×D) [mm]	1,164 x 212 x 478	1,164 x 212 x 478	1,435 x 214 x 525
Panel	Panel model	PC1NUSMANDZ	PC1NUSMANDZ	PC1BWSMANDZ
	Panel Net weight [kg]	3.1	3.1	6.6
	Shipping Weight [kg]	6.4	6.4	8.3
	Net Dimensions (W×H×D) [mm]	1,198 x 25 x 500	1,198 x 25 x 500	1,410 x 23 x 500
	Shipping Dimensions (W×H×D) [mm]	1,262 x 144 x 542	1,262 x 144 x 542	1,473 x 124 x 568
Additional Accessories	Drain Pump Type	Bulit in	Bulit in	Bulit in
	Max lifting height / Displacement [mm /(cc/min)]	750 / 400	750 / 400	750 / 400
	Filter	Microfibrous filter	Microfibrous filter	Microfibrous filter

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB / Water In/Out temperature : 7°C, 12°C
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB / Water In/Out temperature : 7°C, 12°C
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB / Water In/Out temperature : 45°C, 40°C
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) Select wire size based on the value of MCA

Individual Controllers (Optional)


MWR-WE11NDZ


MWR-SH10NDZ


MWR-SH00NDZ


MR-EH00DZ

Panel (Optional)


PC1NUSMANDZ


PC1BWSMANDZ

DVM S
INDOOR UNITS

DVM S
INDOOR LINE-UP

CASSETTE

Model		 360 Cassette	 4 Way Mini Wind-Free	 4 Way Wind-Free	 4 Way Cassette Mini	 4 Way Cassette	 1 Way Wind-Free	 2 Way
Capacity (kW)	1.5		•					
	1.7						•	
	2.2		•		•		•	
	2.8		•		•		•	
	3.2							
	3.6		•		•		•	
	4.5	•	•	•	•	•		
	5.6	•	•	•	•	•	•	•
	6.0		•		•			
	7.1	•		•		•	•	•
	9.0	•		•		•		
	11.2	•		•		•		
	12.8	•		•		•		
	14.0	•		•		•		

DVM S
INDOOR LINE-UP

DUCT

Model		Slim Duct	MSP Duct	HSP Duct	Duct S	Big Duct	OAP	Concealed Floor Standing
Capacity (kW)	1.7	●						
	2.2	●	●					
	2.8	●	●					
	3.2							
	3.6	●	●		●			●
	4.5	●	●		●			
	5.6	●	●		●			●
	7.1	●	●		●			●
	9.0	●	●		●			
	11.2	●	●	●	●			
	12.8	●	●	●	●			
	14.0	●	●	●	●		●	
	16.0		●					
	18.0					●		
	22.4			●		●	●	
	28.0			●			●	

DVM S
INDOOR LINE-UP

WALL MOUNTED

Model		AR5000	Boracay
Capacity (kW)	2.2	●	●
	2.8	●	●
	3.2		
	3.6	●	●
	4.5	●	●
	5.6	●	●
	6.8		
	7.1	●	●
	8.2	●	

CEILING & CONSOLE

Model		Ceiling	Big Ceiling	Console
Capacity (kW)	2.8			●
	3.6			●
	4.5			
	5.6	●		●
	6.0			
	7.1	●		
	11.2		●	
	14.0		●	

DVM S
INDOOR LINE-UP

ERV PLUS

Model		
		ERV Plus
Capacity (kW)	3.6	●
	7.1	●

DVM HYDRO

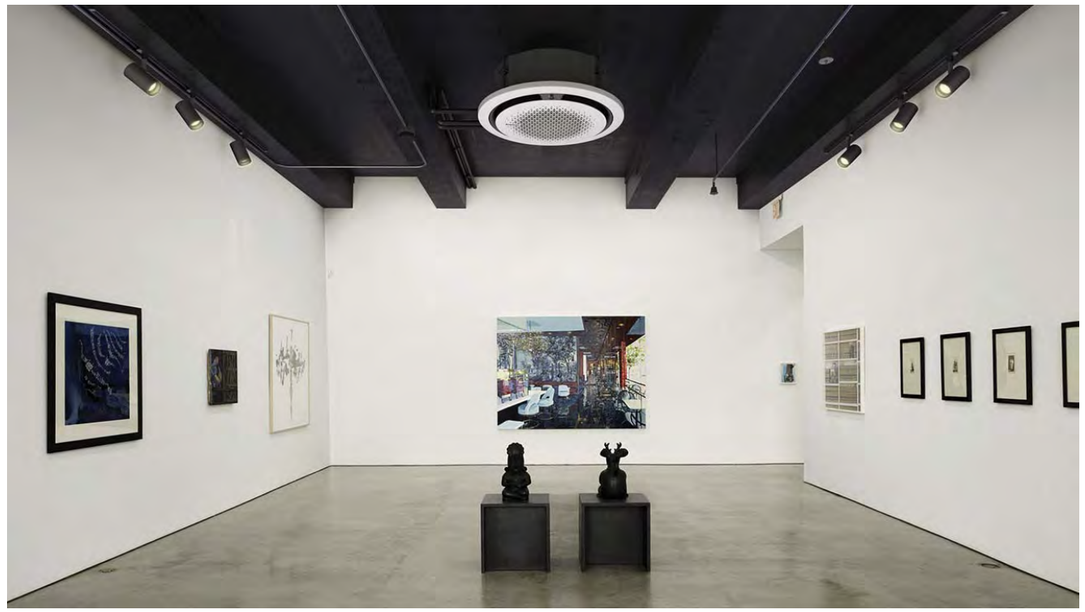
Model			
		HYDRO UNIT HE	HYDRO UNIT HT
Capacity (kW)	14.0	●	
	16.0		●
	25.0		●
	28.0	●	
	44.8	●	

MEMO

DVM S

INDOOR UNITS

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

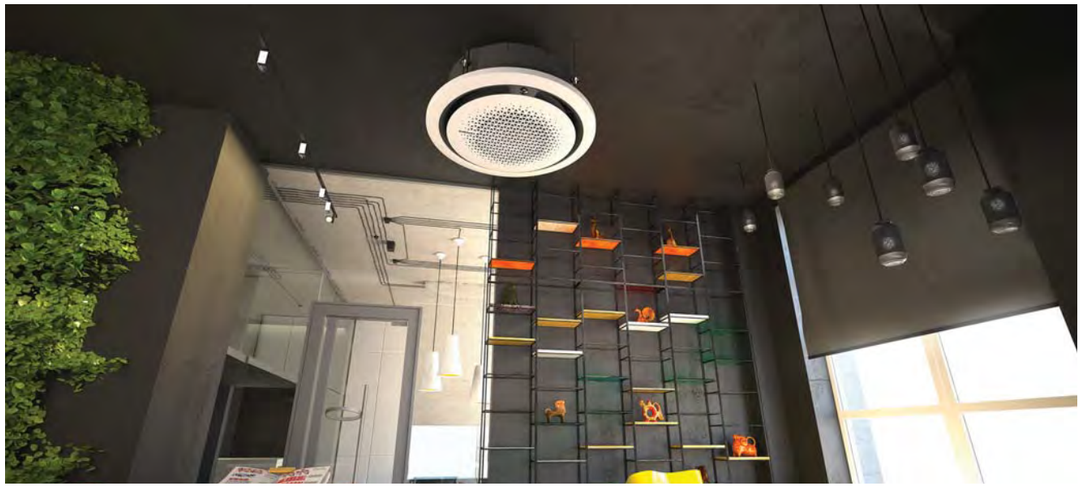
The 360 Bladeless Cassette combines revolutionary performance with an elegant design which will blend in and enhance any setting. The unit features a stylish panel and intuitive LED display that allows users to change the airflow direction depending on preference. Users can choose from three settings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

* Individual zone air flow direction only made possible with the use of Premium Dial remote controller.

360 CASSETTE

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.



Value-Added Accessories

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 (Optional)

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

Wi-Fi Kit (Optional)

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

DVM S
SPECIFICATION

360 CASSETTE

Model Code		AM045KN4DEH	AM056KN4DEH	AM071KN4DEH
Features	Type	360 CST	360 CST	360 CST
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*1 [kW]	4.50	5.60	7.10
	Cooling*1 [Btu/hr]	15,400	19,100	24,200
	Cooling*2 [kW]	4.60	5.71	7.24
	Cooling*2 [Btu/hr]	15,700	19,500	24,700
	Heating [kW]	5.00	6.30	8.00
	Heating [Btu/hr]	17,100	21,500	27,300
Power Input (Nominal)	Cooling [W]	26.00	30.00	34.00
	Heating [W]	26.00	30.00	34.00
Current Input (Nominal)	Cooling [A]	0.18	0.21	0.25
	Heating [A]	0.18	0.21	0.25
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	(65.00 x 1)	(65.00 x 1)	(65.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(14.50 x 1) / (13.50 x 1) / (12.50 x 1)	(16.00 x 1) / (14.50 x 1) / (13.50 x 1)	(18.00 x 1) / (16.00 x 1) / (14.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(241.67 x 1) / (225.00 x 1) / (208.33 x 1)	(266.67 x 1) / (241.67 x 1) / (225.00 x 1)	(300.00 x 1) / (266.67 x 1) / (233.33 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Liquid Pipe [Ø, inch]	1/4"	1/4"	3/8"
	Gas Pipe [Ø, mm]	12.70	12.70	15.88
	Gas Pipe [Ø, inch]	1/2"	1/2"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	33 / 31 / 29	34 / 32 / 29	36 / 33 / 30
	Sound Power [dB(A)]	50	51	53
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	PC4NUDMANDZ	PC4NUDMANDZ	PC4NUDMANDZ
	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

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) Panel type is option. (Ceiling Type / Open Type)
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

AR-KH00EDZ

Panel (Optional)

PC4NUDMANDZ

PC4NBDMANDZ

PC4NUNMANDZ

PC4NBNMANDZ

DVM S
SPECIFICATION

360 CASSETTE

Model Code		AM090KN4DEH	AM112KN4DEH
Features	Type	360 CST	360 CST
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*1 [kW]	9.00	11.20
	Cooling*1 [Btu/hr]	30,700	38,200
	Cooling*2 [kW]	9.14	11.40
	Cooling*2 [Btu/hr]	31,200	38,900
	Heating [kW]	10.00	12.50
	Heating [Btu/hr]	34,100	42,700
Power Input (Nominal)	Cooling [W]	55.00	53.00
	Heating [W]	55.00	53.00
Current Input (Nominal)	Cooling [A]	0.42	0.41
	Heating [A]	0.42	0.41
Fan	Type	Turbo Fan	Turbo Fan
	Output x n [W]	(65.00 x 1)	(97.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(22.00 x 1) / (18.50 x 1) / (16.00 x 1)	(25.50 x 1) / (21.00 x 1) / (17.50 x 1)
	Air Flow Rate (H / M / L) [l/s]	(366.67 x 1) / (308.3 x 1) / (266.67 x 1)	(425.00 x 1) / (350.00 x 1) / (291.67 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	40 / 36 / 32	40 / 36 / 32
	Sound Power [dB(A)]	57	58
External Dimension (Outdoor Unit)	Net Weight [kg]	21.0	24.0
	Net Dimensions (WxHxD) [mm]	947 x 281 x 947	947 x 365 x 947
Panel Size	Panel Model	PC4NUDMANDZ	PC4NUDMANDZ
	Panel Net Weight [kg]	3.6	3.6
	Net Dimension (WxHxD) [mm]	1,000 x 66 x 1,000	1,000 x 66 x 1,000

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) Panel type is option. (Ceiling Type / Open Type)
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

AR-KH00EDZ

Panel (Optional)

PC4NUDMANDZ

PC4NBDMANDZ

PC4NUNMANDZ

PC4NBNMANDZ

DVM S
SPECIFICATION

360 CASSETTE

Model Code		AM128KN4DEH	AM140KN4DEH
Features	Type	360 CST	360 CST
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*1 [kW]	12.80	14.00
	Cooling*1 [Btu/hr]	43,700	47,800
	Cooling*2 [kW]	13.04	14.24
	Cooling*2 [Btu/hr]	44,500	48,600
	Heating [kW]	13.80	16.00
	Heating [Btu/hr]	47,100	54,600
Power Input (Nominal)	Cooling [W]	77.00	91.00
	Heating [W]	77.00	91.00
Current Input (Nominal)	Cooling [A]	0.62	0.75
	Heating [A]	0.62	0.75
Fan	Type	Turbo Fan	Turbo Fan
	Output x n [W]	(97.00 x 1)	(97.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(29.50 x 1) / (24.00 x 1) / (19.00 x 1)	(31.50 x 1) / (26.50 x 1) / (21.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(491.67 x 1) / (400.00 x 1) / (316.67 x 1)	(525.00 x 1) / (441.67 x 1) / (350.00 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	42 / 38 / 33	44 / 40 / 35
	Sound Power [dB(A)]	60	61
External Dimension (Outdoor Unit)	Net Weight [kg]	24.0	24.0
	Net Dimensions (WxHxD) [mm]	947 x 365 x 947	947 x 365 x 947
Panel Size	Panel Model	PC4NUDMANDZ	PC4NUDMANDZ
	Panel Net Weight [kg]	3.6	3.6
	Net Dimension (WxHxD) [mm]	1,000 x 66 x 1,000	1,000 x 66 x 1,000

*Specifications may be subject to change without prior notice.
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) Panel type is option. (Ceiling Type / Open Type)
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

AR-KH00EDZ

Panel (Optional)

PC4NUDMANDZ

PC4NBDMANDZ

PC4NUNMANDZ

PC4NBNMANDZ

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

Wind-Free Cooling effectively maintains a comfortable level of coolness without the unpleasant feeling of cold wind. Cool air is gently dispersed through 9,000 micro air holes, so you don't feel too hot or cold.

※ 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"

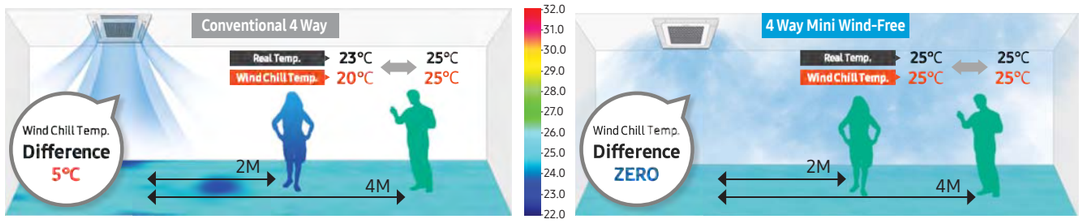
4 WAY MINI WIND-FREE

Keeps comfortable without changing settings.

The 2-Step Cooling cools the air fast in Fast Cooling, then automatically changes to Wind-Free to maintain the temperature. So you stay comfortable, without cold spots, and don't need to change settings.

Even Cooling in All Area

Wind-Free Cooling keeps the temperature inside all evenly.



Smart on/off function (Optional)

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

4 WAY MINI WIND-FREE

Achieve peak performance with optimal airflow and superior control

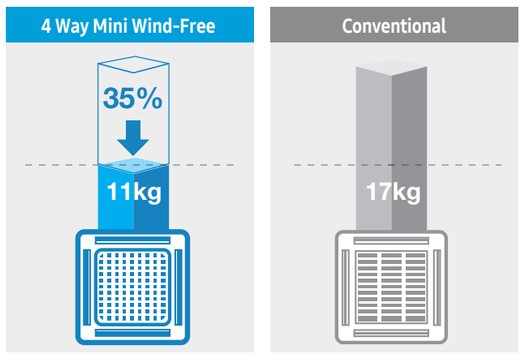
Integrating the most advanced technologies, Samsung 4 Way Mini Wind-Free delivers easy, efficient comfort with specialized blade control, adjustable operation and powerful airflow. And optional Virus Doctor extends the unit's efficiency with air sanitation technology for a healthier atmosphere.

Individual blade control

Samsung 4 Way Mini Wind-Free features a remote controller that enables users to manipulate the angles of the fan blades for more efficient cooling. With the remote controller, users can individually set the opening angles of the four blades at the same angle or different angles within a -10˚ ~ 53 ˚ range to create just the right atmosphere.

Lightweight build

The Samsung 4 Way Mini Wind-Free indoor unit is now lighter in weight at percent lighter than conventional products.



Silent, uniform air distribution

The aerodynamically designed Turbo Fan minimizes blade movement noise, meaning that 4 Way Mini Wind-Free is noticeably quieter than conventional models. Plus, the Turbo Fan's wide blades provide evenly distributed extreme cooling and heating from four separate outlets so the entire room cools down or warms up faster.

Easy leveling and installation

Each corner portion of the 4 Way Mini Wind-Free panel is detachable. This makes it easier for users to adjust the height, and makes installation and leveling much easier and quicker.

Simple cleanup

4 Way Mini Wind-Free indoor units have detachable airflow blades, which means users don't need to remove the entire panel to clean the blade, making maintenance even easier.

4 WAY MINI WIND-FREE

Aesthetic panel and display

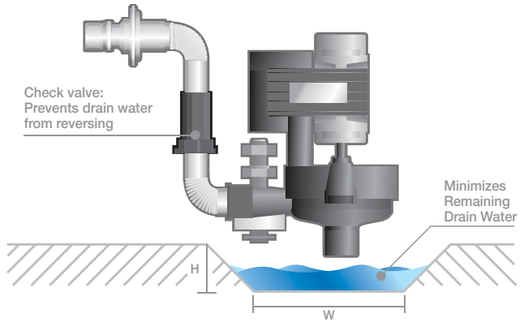
4 Way Mini Wind-Free offers different designs for the panel. The right look to suit their design preference. Plus, the simple display design.

Perfect architectural ceiling tiles size

Samsung newly designed 4 Way Mini Wind-Free panel can be installed on a within one ceiling tile (600 x 600) without disturbance installed in the adjacent ceiling tiles on lights, sprinklers.

Drip-free operation

The check valve on the drain pump prevents drained water from flowing backward into the drain pan. This minimizes the drain pan's water level, eliminating the worry and hassle of water stagnation or overflowing drain water dripping into the interior.



Ionizer Kit (Optional)

Users can sanitize indoor air with the optional Ionizer kit for a cleaner work or living environment. The easy-to-install Ionizer kit generates active hydrogen and oxygen ions to reduces airborne virus and bacteria.

4 WAY MINI WIND-FREE

Model Code		AM015NNNDEH	AM022NNNDEH	AM028NNNDEH
Features	Type	Wind-Free 4 Way CST (600 x 600)	Wind-Free 4 Way CST (600 x 600)	Wind-Free 4 Way CST (600 x 600)
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*1 [kW]	1.50	2.20	2.80
	Cooling*1 [Btu/hr]	5,100	7,500	9,600
	Cooling*2 [kW]	1.55	2.26	2.84
	Cooling*2 [Btu/hr]	5,300	7,700	9,700
	Heating [kW]	1.70	2.50	3.20
	Heating [Btu/hr]	5,800	8,500	10,900
Power Input (Nominal)	Cooling [W]	18.00	18.00	18.00
	Heating [W]	18.00	18.00	18.00
Current Input (Nominal)	Cooling [A]	0.17	0.17	0.17
	Heating [A]	0.17	0.17	0.17
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	(65.00 x 1)	(65.00 x 1)	(65.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(8.20 x 1) / (7.00 x 1) / (6.30 x 1)	(9.00 x 1) / (7.70 x 1) / (6.50 x 1)	(10.00 x 1) / (8.50 x 1) / (7.50 x 1)
	Air Flow Rate (H / M / L) [l/s]	(137.00 x 1) / (117.00 x 1) / (105.00 x 1)	(150.00 x 1) / (128.00 x 1) / (108.00 x 1)	(167.00 x 1) / (142.00 x 1) / (125.00 x 1)
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	30 / 28 / 23	32 / 29 / 25	33 / 30 / 26
	Sound Power [dB(A)]	46	47	50
External Dimension (Outdoor Unit)	Net Weight [kg]	12.0	12.0	12.0
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel Model	PC4SUFDAN	PC4SUFDAN	PC4SUFDAN
	Panel Net Weight [kg]	2.7	2.7	2.7
	Net Dimension (WxHxD) [mm]	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) Select wire size based on the value of MCA
6) Drain pump included (check valve included)

Individual Controllers (Optional)

MWR-WE13NDZ MWR-SH10NDZ MWR-SH00NDZ AR-EH03EDZ

Panel (Optional)

PC4SUFDAN

DVM S
SPECIFICATION

4 WAY MINI WIND-FREE

Model Code		AM036NNNDEH	AM045NNNDEH	AM056NNNDEH	AM060NNNDEH
Features	Type	Wind-Free 4 Way CST (600 x 600)	Wind-Free 4 Way CST (600 x 600)	Wind-Free 4 Way CST (600 x 600)	Wind-Free 4 Way CST (600 x 600)
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*1 [kW]	3.60	4.50	5.60	6.00
	Cooling*1 [Btu/hr]	12,300	15,400	19,100	20,500
	Cooling*2 [kW]	3.66	4.60	5.72	6.10
	Cooling*2 [Btu/hr]	12,500	15,700	19,500	20,800
	Heating [kW]	4.00	5.00	6.30	6.80
	Heating [Btu/hr]	13,600	17,100	21,500	23,200
Power Input (Nominal)	Cooling [W]	20.00	23.00	28.00	31.00
	Heating [W]	20.00	23.00	28.00	31.00
Current Input (Nominal)	Cooling [A]	0.19	0.22	0.27	0.30
	Heating [A]	0.19	0.22	0.27	0.30
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	(65.00 x 1)	(65.00 x 1)	(65.00 x 1)	(65.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(10.50 x 1) / (9.50 x 1) / (8.00 x 1)	(11.50 x 1) / (10.20 x 1) / (9.00 x 1)	(13.00 x 1) / (11.00 x 1) / (9.50 x 1)	(13.50 x 1) / (12.00 x 1) / (10.20 x 1)
	Air Flow Rate (H / M / L) [l/s]	(175.00 x 1) / (158.00 x 1) / (133.00 x 1)	(192.00 x 1) / (170.00 x 1) / (150.00 x 1)	(217.00 x 1) / (183.00 x 1) / (158.00 x 1)	(225.00 x 1) / (200.00 x 1) / (170.00 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35	6.35
	Liquid Pipe [Ø, inch]	1/4"	1/4"	1/4"	1/4"
	Gas Pipe [Ø, mm]	12.70	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	34 / 30 / 26	36 / 34 / 32	39 / 36 / 33	40 / 38 / 35
	Sound Power [dB(A)]	51	53	56	57
External Dimension (Outdoor Unit)	Net Weight [kg]	12.0	12.0	12.0	12.0
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel Model	PC4SUFDAN	PC4SUFDAN	PC4SUFDAN	PC4SUFDAN
	Panel Net Weight [kg]	2.7	2.7	2.7	2.7
	Net Dimension (WxHxD) [mm]	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) Select wire size based on the value of MCA
6) Drain pump included (check valve included)

Individual Controllers (Optional)

MWR-WE13NDZ MWR-SH10NDZ MWR-SH00NDZ AR-EH03EDZ

Panel (Optional)

PC4SUFDAN

4 WAY WIND-FREE

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

Wind-Free Cooling effectively maintains a comfortable level of coolness without the unpleasant feeling of cold wind. Cool air is gently dispersed through 15,700 micro air holes, so you don't feel too hot or cold.

※ 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"

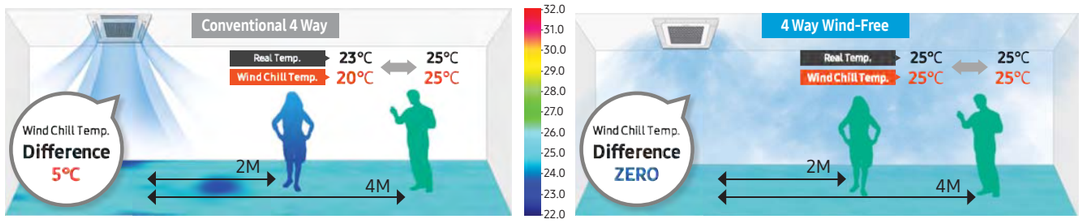
4 WAY WIND-FREE

Keeps comfortable without changing settings.

The 2-Step Cooling cools the air fast in Fast Cooling, then automatically changes to Wind-Free to maintain the temperature. So you stay comfortable, without cold spots, and don't need to change settings.

Even Cooling in All Area

Wind-Free Cooling keeps the temperature inside all evenly.

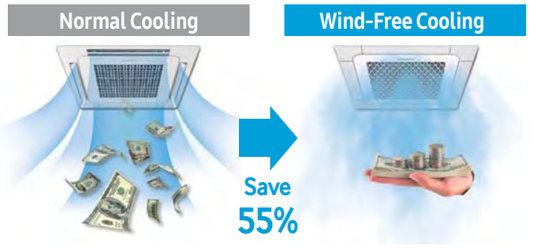


Energy saving with Wind-Free.

Under same condition, can save energy use by 55% compared to conventional cooling.

* Tested on Outdoor unit AC140MXADKH,
Indoor unit AM140FN4DEH when running simultaneously,
Individual result may vary depending on consumer usage

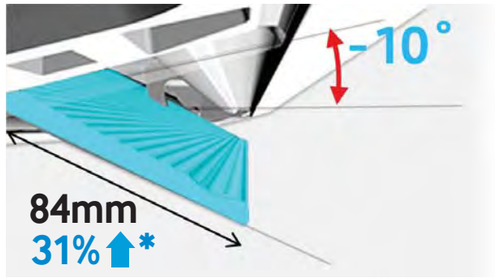
* Test Temperature : OD 35℃ DB / 24℃ WB, ID 27℃ DB / 19℃ WB



4 WAY WIND-FREE

Big Blade, Long Wind

Big and optimized blades enable wider cooling range.



* Compared with Conventional 4way

* Tested on Outdoor unit AC140MXADKH,
Indoor unit AM140FN4DEH when running simultaneously,
Individual result may vary depending on consumer usage.

Aesthetic panel and display

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

Motion detect sensor (Optional)

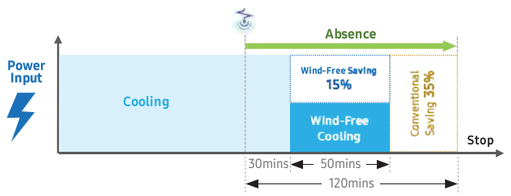
Motion detect sensor enables customized air flow and energy efficient operation.

Wind Direction : Choose Your Comfort

Direct wind or Indirect wind

Energy Saving : 35% > 50%

Wind-Free + OFF Control



4 WAY WIND-FREE

Achieve peak performance with optimal airflow and superior control

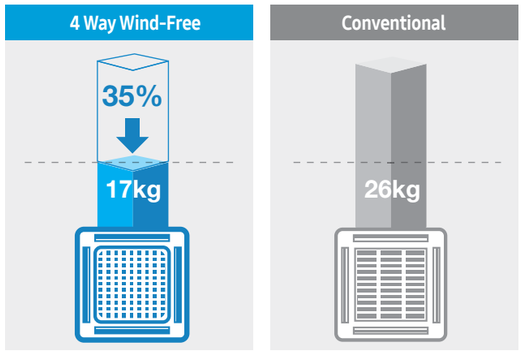
Integrating the most advanced technologies, Samsung 4 Way Wind-Free delivers easy, efficient comfort with specialized blade control, adjustable operation and powerful airflow. And optional Virus Doctor extends the unit's efficiency with air sanitation technology for a healthier atmosphere.

Individual blade control

Samsung 4 Way Wind-Free features a remote controller that enables users to manipulate the angles of the fan blades for more efficient cooling. With the remote controller, users can individually set the opening angles of the four blades at the same angle or different angles within a -10˚ ~ 53 ˚ range to create just the right atmosphere.

Lightweight build

The Samsung 4 Way Wind-Free indoor unit is now lighter in weight at percent lighter than conventional products.



Ionizer Kit (Optional)

Users can sanitize indoor air with the optional Ionizer kit for a cleaner work or living environment. The easy-to-install Ionizer kit generates active hydrogen and oxygen ions to reduces airborne virus and bacteria.

Easy leveling and installation

Each corner portion of the 4 Way Wind-Free panel is detachable. This makes it easier for users to adjust the height, and makes installation and leveling much easier and quicker.

Simple cleanup

4 Way Wind-Free indoor units have detachable airflow blades, which means users don't need to remove the entire panel to clean the blade, making maintenance even easier.

DVM S
SPECIFICATION

4 WAY WIND-FREE

Model Code		AM045NN4DEH	AM056NN4DEH	AM071NN4DEH
Features	Type	Wind-Free 4 Way CST	Wind-Free 4 Way CST	Wind-Free 4 Way CST
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*1 [kW]	4.50	5.60	7.10
	Cooling*1 [Btu/hr]	15,400	19,100	24,200
	Cooling*2 [kW]	4.60	5.72	7.24
	Cooling*2 [Btu/hr]	15,700	19,500	24,700
	Heating [kW]	5.00	6.30	8.00
	Heating [Btu/hr]	17,100	21,500	27,300
Power Input (Nominal)	Cooling [W]	32.00	32.00	45.00
	Heating [W]	32.00	32.00	45.00
Current Input (Nominal)	Cooling [A]	0.22	0.22	0.31
	Heating [A]	0.22	0.22	0.31
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	(65.00 x 1)	(65.00 x 1)	(65.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(14.50 x 1) / (13.50 x 1) / (12.50 x 1)	(15.00 x 1) / (14.00 x 1) / (13.00 x 1)	(17.00 x 1) / (15.50 x 1) / (14.50 x 1)
	Air Flow Rate (H / M / L) [l/s]	(242.00 x 1) / (225.00 x 1) / (208.00 x 1)	(250.00 x 1) / (233.00 x 1) / (217.00 x 1)	(283.00 x 1) / (258.00 x 1) / (242.00 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Liquid Pipe [Ø, inch]	1/4"	1/4"	3/8"
	Gas Pipe [Ø, mm]	12.70	12.70	15.88
	Gas Pipe [Ø, inch]	1/2"	1/2"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	33 / 32 / 30	33 / 32 / 30	35 / 34 / 33
	Sound Power [dB(A)]	49	50	54
External Dimension (Outdoor Unit)	Net Weight [kg]	15.5	15.5	15.5
	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
Panel Size	Panel Model	PC4NUFDAN	PC4NUFDAN	PC4NUFDAN
	Panel Net Weight [kg]	6.5	6.5	6.5
	Net Dimension (WxHxD) [mm]	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) Select wire size based on the value of MCA
6) Drain pump included (check valve included)

Individual Controllers (Optional)

MWR-WE13NDZ MWR-SH10NDZ MWR-SH00NDZ AR-EH03EDZ

Panel (Optional)

PC4NUFDAN

DVM S
SPECIFICATION

4 WAY WIND-FREE

Model Code		AM090NN4DEH	AM112NN4DEH	AM128NN4DEH	AM140NN4DEH
Features	Type	Wind-Free 4 Way CST	Wind-Free 4 Way CST	Wind-Free 4 Way CST	Wind-Free 4 Way CST
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*1 [kW]	9.00	11.20	12.80	14.00
	Cooling*1 [Btu/hr]	30,700	38,200	43,700	47,800
	Cooling*2 [kW]	9.14	11.40	13.04	14.24
	Cooling*2 [Btu/hr]	31,200	38,900	44,500	48,600
	Heating [kW]	10.00	12.50	13.80	16.00
	Heating [Btu/hr]	34,100	42,700	47,100	54,600
Power Input (Nominal)	Cooling [W]	62.00	78.00	73.00	89.00
	Heating [W]	62.00	78.00	73.00	89.00
Current Input (Nominal)	Cooling [A]	0.43	0.55	0.51	0.62
	Heating [A]	0.43	0.55	0.51	0.62
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	(65.00 x 1)	(65.00 x 1)	(97.00 x 1)	(97.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(19.50 x 1) / (18.00 x 1) / (16.50 x 1)	(26.00 x 1) / (24.00 x 1) / (22.00 x 1)	(28.00 x 1) / (26.00 x 1) / (23.00 x 1)	(30.00 x 1) / (28.00 x 1) / (26.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(325.00 x 1) / (300.00 x 1) / (275.00 x 1)	(433.00 x 1) / (400.00 x 1) / (367.00 x 1)	(467.00 x 1) / (433.00 x 1) / (383.00 x 1)	(500.00 x 1) / (467.00 x 1) / (433.00 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	39 / 36 / 33	40 / 38 / 35	42 / 40 / 35	44 / 41 / 35
	Sound Power [dB(A)]	57	57	58	60
External Dimension (Outdoor Unit)	Net Weight [kg]	15.5	17.0	19.0	19.0
	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
Panel Size	Panel Model	PC4NUFDAN	PC4NUFDAN	PC4NUFDAN	PC4NUFDAN
	Panel Net Weight [kg]	6.5	6.5	6.5	6.5
	Net Dimension (WxHxD) [mm]	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) Select wire size based on the value of MCA
6) Drain pump included (check valve included)

Individual Controllers (Optional)

MWR-WE13NDZ MWR-SH10NDZ MWR-SH00NDZ AR-EH03EDZ

Panel (Optional)

PC4NUFDAN

4 WAY CASSETTE MINI

Add chic flair to your interior design with a stylish yet powerful AC system

Samsung's advanced 4 Way Cassette Mini builds on the aesthetic appeal and performance of the standard 4 Way Cassette with an enhanced design.
The 4 Way Cassette Mini comes in a variety of patterns to complement any interior. The stylish cassette unit visually harmonizes with the indoor space, while efficient cooling and heating performance make it a dependable and practical air conditioning solution.

The 4 Way Cassette Mini indoor air conditioning system provides high-performance heating and cooling in an elegant design with features such as:

- **Tasteful design and compact, lightweight build.** Create a polished ambiance with a discreetly sized design and a choice of attractive panel patterns.
- **Enhanced comfort control.** Optimize comfort and save energy with optional motion detection.
- **Low maintenance and powerful airflow.** Ease installation and maintenance and maximize airflow with an efficient design and robust performance.

4 WAY CASSETTE MINI

TASTEFUL DESIGN, COMPACT, LIGHTWEIGHT BUILD

Refine the interior with an elegant, compact design

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

Streamline management with a flexible design

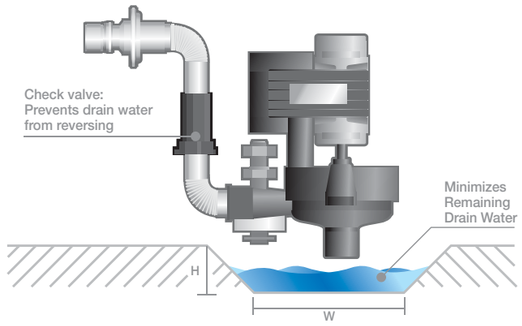
The Samsung 4 Way Cassette Mini is uniquely designed for easy management. Featuring an advanced check valve and detachable panel and airflow blades, this unit offers quick, simple setup and maintenance for the ultimate in convenience, comfort and performance.

Perfect architectural ceiling tiles size

Samsung newly designed 4 Way Cassette Mini panel can be installed on a within one ceiling tile (600 x 600) without disturbance installed in the adjacent ceiling tiles on lights, sprinklers.

Drip-free operation

The check valve on the drain pump prevents drained water from flowing backward into the drain pan. This minimizes the drain pan's water level, eliminating the worry and hassle of water stagnation or overflowing drain water dripping into the interior.



4 WAY CASSETTE MINI

ENHANCED COMFORT CONTROL

Create a flawless atmosphere with innovative motion-controlled operation

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

Smart on/off function

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

Ideal airflow distribution

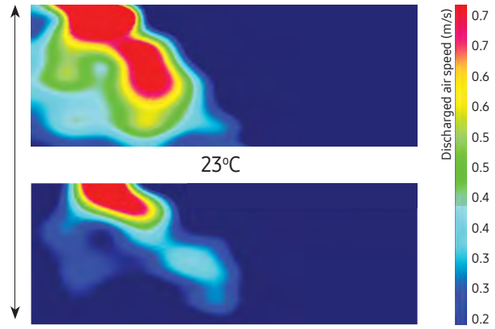
The innovative MDS prevents the indoor unit from distributing airflow directly to individuals for increased comfort. It also reduces the difference of thermal sensation in the body by detecting the temperature around the floor.

Individual blade control

Samsung 4 Way Cassette Mini features a remote controller that enables users to manipulate the angles of the fan blades for more efficient cooling. With the remote controller, users can individually set the opening angles of the four blades at the same angle or different angles within a 32° - 65° range to create just the right atmosphere.

Comfortable airflow control

The purpose of air conditioners is to provide a pleasant indoor environment for users. To better serve this purpose, Samsung 4 Way Cassette Mini provides a Comfort Airflow Control function that prevents cold drafts. When the room temperature reaches 23°C during cooling mode, the indoor unit reduces the amount of discharging air. By doing so, people in the room avoid the discomfort of direct contact with cold airflow.



* Only for 4 Way Cassette Mini connected with DVM products

Ionizer Kit (Optional)

Users can sanitize indoor air with the optional Ionizer kit for a cleaner work or living environment. The easy-to-install Ionizer kit generates active hydrogen and oxygen ions to reduces airborne virus and bacteria.

MEMO

DVM S
SPECIFICATION

4 WAY CASSETTE MINI

Model Code		AM022FNNDEH	AM028FNNDEH	AM036FNNDEH
Features	Type	4 Way CST S	4 Way CST S	4 Way CST S
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*1 [kW]	2.20	2.80	3.60
	Cooling*1 [Btu/hr]	7,500	9,600	12,300
	Cooling*2 [kW]	2.26	2.84	3.66
	Cooling*2 [Btu/hr]	7,700	9,700	12,500
	Heating [kW]	2.50	3.20	4.00
	Heating [Btu/hr]	8,500	10,900	13,600
Power Input (Nominal)	Cooling [W]	18.00	18.00	20.00
	Heating [W]	18.00	18.00	20.00
Current Input (Nominal)	Cooling [A]	0.17	0.17	0.19
	Heating [A]	0.17	0.17	0.19
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	(65.00 x 1)	(65.00 x 1)	(65.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(9.00 x 1) / (7.70 x 1) / (6.50 x 1)	(10.00 x 1) / (8.50 x 1) / (7.50 x 1)	(10.50 x 1) / (9.50 x 1) / (8.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(150.00 x 1) / (128.33 x 1) / (108.33 x 1)	(166.67 x 1) / (141.67 x 1) / (125.00 x 1)	(175.00 x 1) / (158.33 x 1) / (133.33 x 1)
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	32 / 29 / 25	33 / 30 / 26	34 / 30 /26
	Sound Power [dB(A)]	47	50	51
External Dimension (Outdoor Unit)	Net Weight [kg]	12.0	12.0	12.0
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel Model	PC4SUSMBNDZ	PC4SUSMBNDZ	PC4SUSMBNDZ
	Panel Net Weight [kg]	2.3	2.3	2.3
	Net Dimension (WxHxD) [mm]	620 x 45 x 620	620 x 45 x 620	620 x 45 x 620

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27ºC DB, 19ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27ºC DB, 19.5ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20ºC DB, 15ºC WB - Outdoor temperature : 7ºC DB, 6ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ

Panel (Optional)

PC4SUSMBNDZ

DVM S
SPECIFICATION

4 WAY CASSETTE MINI

Model Code		AM045FNNDEH	AM056FNNDEH	AM060FNNDEH
Features	Type	4 Way CST S	4 Way CST S	4 Way CST S
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*1 [kW]	4.50	5.60	6.00
	Cooling*1 [Btu/hr]	15,400	19,100	20,500
	Cooling*2 [kW]	4.60	5.71	6.10
	Cooling*2 [Btu/hr]	15,700	19,500	20,800
	Heating [kW]	5.00	6.30	6.80
	Heating [Btu/hr]	17,100	21,500	23,200
Power Input (Nominal)	Cooling [W]	23.00	28.00	31.00
	Heating [W]	23.00	28.00	31.00
Current Input (Nominal)	Cooling [A]	0.22	0.27	0.30
	Heating [A]	0.22	0.27	0.30
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	(65.00 x 1)	(65.00 x 1)	(65.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(11.50 x 1) / (10.20 x 1) / (9.00 x 1)	(13.00 x 1) / (11.00 x 1) / (9.50 x 1)	(13.50 x 1) / (12.00 x 1) / (10.20 x 1)
	Air Flow Rate (H / M / L) [l/s]	(191.67 x 1) / (170.00 x 1) / (150.00 x 1)	(216.67 x 1) / (183.33 x 1) / (158.33 x 1)	(255.00 x 1) / (200.00 x 1) / (170.00 x 1)
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	36 / 34 / 32	39 / 36 / 33	40 / 38 / 35
	Sound Power [dB(A)]	53	56	57
External Dimension (Outdoor Unit)	Net Weight [kg]	12.0	12.0	12.0
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel Model	PC4SUSMBNDZ	PC4SUSMBNDZ	PC4SUSMBNDZ
	Panel Net Weight [kg]	2.3	2.3	2.3
	Net Dimension (WxHxD) [mm]	620 x 45 x 620	620 x 45 x 620	620 x 45 x 620

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27ºC DB, 19ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27ºC DB, 19.5ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20ºC DB, 15ºC WB - Outdoor temperature : 7ºC DB, 6ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ

Panel (Optional)

PC4SUSMBNDZ

4 WAY CASSETTE

Stage a beautiful yet comfortable environment

With its newly improved design, 4 Way Cassette supports a clean, aesthetically appealing atmosphere and adds a sense of sophistication to work and living spaces. Not only is this unit attractively designed, but it also uses advanced technologies to optimize comfort in any environment.

The Samsung 4 Way Cassette indoor air conditioning system delivers polish, comfort and efficiency with features such as:

- **Stylishly clean design.** Add panache to interior spaces with a choice of clean, streamlined panel patterns in a lightweight build.
- **Robust operation.** Control the atmosphere perfectly with an advanced design for superior air flow and cooling/ heating performance.
- **Low maintenance and simple installation.** Ease installation and minimize maintenance with a detachable, no-drip design.

4 WAY CASSETTE

STYLISHLY CLEAN DESIGN

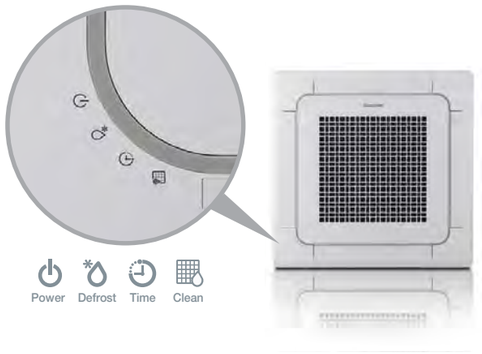
Complement any interior with a sleek, lightweight design

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

Waffle Pattern

Aesthetic panel and display

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

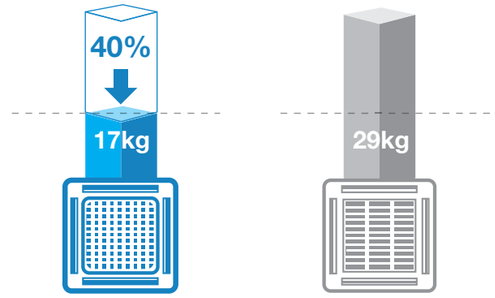


Neat and clean design

The indoor 4 Way Cassette boasts a smart design that promotes a neat and clean look. The completely hermetic blade structure keeps the indoor unit clean by preventing dust or other foreign substances from entering it. The internal parts of the indoor unit are also out of sight when the blade is shut, thus improving the unit's appearance.

Lightweight build

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



*Based on 10.0kW

4 WAY CASSETTE
ROBUST OPERATION

Achieve peak performance with optimal airflow and superior control

Integrating the most advanced technologies, Samsung 4 Way Cassette delivers easy, efficient comfort with specialized blade control, adjustable operation and powerful airflow. And optional Virus Doctor extends the unit's efficiency with air sanitation technology for a healthier atmosphere.

Individual blade control

Samsung 4 Way Cassette features a remote controller that enables users to manipulate the angles of the fan blades for more efficient cooling. With the remote controller, users can individually set the opening angles of the four blades at the same angle or different angles within a 32° - 65° range to create just the right atmosphere.

Optimal airflow for high ceilings

Using only the remote controller, operators can achieve optimum fan speed for high ceilings without adjusting the dual inline package (DIP) switch on the printed circuit board (PCB). The fan speed adjustment function evenly distributes cool and warm air throughout spaces with high ceilings of up to 3.5 m. And the high ceiling mode delivers even more powerful airflow throughout the interior space, enlarging the airflow coverage area for heights of up to 4.6 m.

*Based on 10.0kW

Silent, uniform air distribution

The aerodynamically designed Turbo Fan minimizes blade movement noise, meaning that 4 Way Cassette is noticeably quieter than conventional models. Plus, the Turbo Fan's wide blades provide evenly distributed extreme cooling and heating from four separate outlets so the entire room cools down or warms up faster.

Ionizer Kit (Optional)

Users can sanitize indoor air with the optional Ionizer kit for a cleaner work or living environment. The easy-to-install Ionizer kit generates active hydrogen and oxygen ions to reduces airborne virus and bacteria.

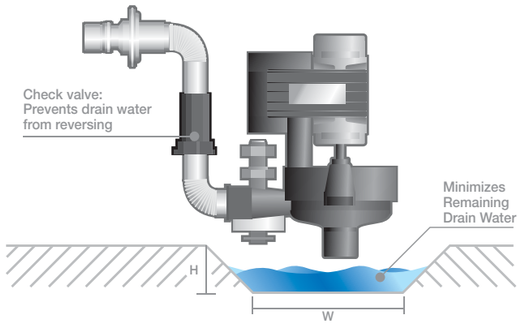
4 WAY CASSETTE
LOW MAINTENANCE AND SIMPLE INSTALLATION

Streamline management with a flexible design

The Samsung 4 Way Cassette is uniquely designed for easy management. Featuring an advanced check valve and detachable panel and airflow blades, this unit offers quick, simple setup and maintenance for the ultimate in convenience, comfort and performance.

Drip-free operation

The check valve on the drain pump prevents drained water from flowing backward into the drain pan. This minimizes the drain pan's water level, eliminating the worry and hassle of water stagnation or overflowing drain water dripping into the interior.



Easy leveling and installation

Each corner portion of the 4 Way Cassette panel is detachable. This makes it easier for users to adjust the height, and makes installation and leveling much easier and quicker.

Simple cleanup

4 Way Cassette indoor units have detachable airflow blades, which means users don't need to remove the entire panel to clean the blade, making maintenance even easier.

DVM S
SPECIFICATION

4 WAY CASSETTE

Model Code		AM045FN4DEH	AM056FN4DEH	AM071FN4DEH
Features	Type	4 Way CST	4 Way CST	4 Way CST
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*1 [kW]	4.50	5.60	7.10
	Cooling*1 [Btu/hr]	15,400	19,100	24,200
	Cooling*2 [kW]	4.60	5.71	7.24
	Cooling*2 [Btu/hr]	15,700	19,500	24,700
	Heating [kW]	5.00	6.30	8.00
	Heating [Btu/hr]	17,100	21,500	27,300
Power Input (Nominal)	Cooling [W]	32.00	32.00	45.00
	Heating [W]	32.00	32.00	45.00
Current Input (Nominal)	Cooling [A]	0.22	0.22	0.31
	Heating [A]	0.22	0.22	0.31
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	(65.00 x 1)	(65.00 x 1)	(65.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(14.50 x 1) / (13.50 x 1) / (12.50 x 1)	(15.00 x 1) / (14.00 x 1) / (13.00 x 1)	(17.00 x 1) / (15.50 x 1) / (14.50 x 1)
	Air Flow Rate (H / M / L) [l/s]	(242.00 x 1) / (225.00 x 1) / (208.00 x 1)	(250.00 x 1) / (233.00 x 1) / (217.00 x 1)	(283.00 x 1) / (258.00 x 1) / (242.00 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Liquid Pipe [Ø, inch]	1/4"	1/4"	3/8"
	Gas Pipe [Ø, mm]	12.70	12.70	15.88
	Gas Pipe [Ø, inch]	1/2"	1/2"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	33 / 32 / 30	33 / 32 / 30	35 / 34 / 33
	Sound Power [dB(A)]	49	50	54
External Dimension (Outdoor Unit)	Net Weight [kg]	15.5	15.5	15.5
	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
Panel Size	Panel Model	PC4NUSKANDZ	PC4NUSKANDZ	PC4NUSKANDZ
	Panel Net Weight [kg]	5.8	5.8	5.8
	Net Dimension (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) Select wire size based on the value of MCA
6) Drain pump included (check valve included)

Individual Controllers (Optional)


MWR-WE11NDZ
MWR-WE13NDZ


MWR-SH10NDZ


MWR-SH00NDZ


MR-EH00DZ
AR-EH03EDZ

Panel (Optional)


PC4NUSKANDZ

DVM S
SPECIFICATION

4 WAY CASSETTE

Model Code		AM090FN4DEH	AM112FN4DEH	AM128FN4DEH	AM140FN4DEH
Features	Type	4 Way CST	4 Way CST	4 Way CST	4 Way CST
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*1 [kW]	9.00	11.20	12.80	14.00
	Cooling*1 [Btu/hr]	30,700	38,200	43,700	47,800
	Cooling*2 [kW]	9.14	11.40	13.04	14.24
	Cooling*2 [Btu/hr]	31,200	38,900	44,500	48,600
	Heating [kW]	10.00	12.50	13.80	16.00
	Heating [Btu/hr]	34,100	42,700	47,100	54,600
Power Input (Nominal)	Cooling [W]	62.00	78.00	73.00	89.00
	Heating [W]	62.00	78.00	73.00	89.00
Current Input (Nominal)	Cooling [A]	0.43	0.55	0.51	0.62
	Heating [A]	0.43	0.55	0.51	0.62
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	(65.00 x 1)	(65.00 x 1)	(97.00 x 1)	(97.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(19.50 x 1) / (18.00 x 1) / (16.50 x 1)	(26.00 x 1) / (24.00 x 1) / (22.00 x 1)	(28.00 x 1) / (26.00 x 1) / (23.00 x 1)	(30.00 x 1) / (28.00 x 1) / (26.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(325.00 x 1) / (300.00 x 1) / (275.00 x 1)	(433.00 x 1) / (400.00 x 1) / (367.00 x 1)	(467.00 x 1) / (433.00 x 1) / (383.00 x 1)	(500.00 x 1) / (467.00 x 1) / (433.00 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	39 / 36 / 33	40 / 38 / 35	42 / 40 / 35	44 / 41 / 35
	Sound Power [dB(A)]	57	57	58	60
External Dimension (Outdoor Unit)	Net Weight [kg]	15.5	17.0	19.0	19.0
	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
Panel Size	Panel Model	PC4NUSKANDZ	PC4NUSKANDZ	PC4NUSKANDZ	PC4NUSKANDZ
	Panel Net Weight [kg]	5.8	5.8	5.8	5.8
	Net Dimension (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) Select wire size based on the value of MCA
6) Drain pump included (check valve included)

Individual Controllers (Optional)


MWR-WE11NDZ
MWR-WE13NDZ


MWR-SH10NDZ


MWR-SH00NDZ


MR-EH00DZ
AR-EH03EDZ

Panel (Optional)


PC4NUSKANDZ

1 WAY CASSETTE WIND-FREE

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

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

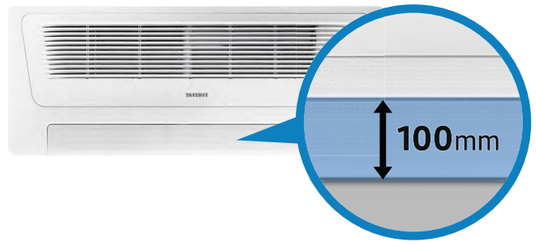
※ Still Air condition : According to ASHRAE, If velocity of wind is lower than 0.15m/s, People can not detect wind. And they define that condition is "Still Air"

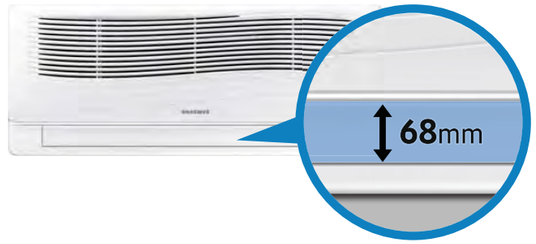
※ PC1MWFMAN : 7,534ea
PC1NWFMAN : 10,454ea
PC1BWFMAN : 13,961ea

1 WAY CASSETTE WIND-FREE

Big Blade, Long Wind

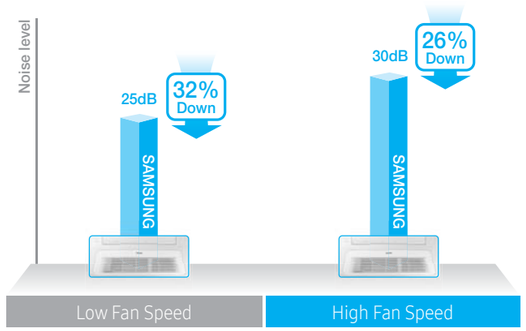
Can deliver cool air up to 8m with wider operating angle, along with rapid and even cooling.





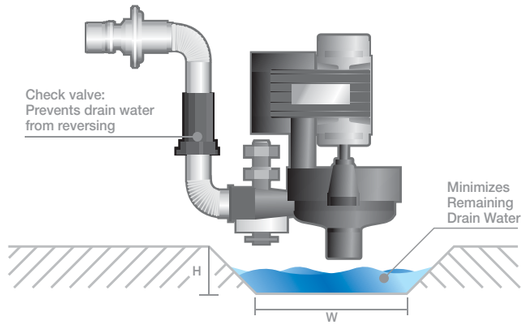
Quiet Operation

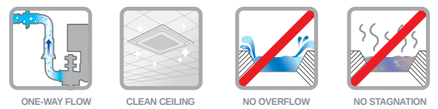
Samsung new blade design drastically reduces noise levels so that you can relax in peace and quietness. A quiet work place is not only more comfortable for employees but also aids productivity. Whether operating on high or low speed setting, this air conditioning unit offers a virtually silent performance.



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.





DVM S
SPECIFICATION

1 WAY CASSETTE WIND-FREE

Model Code		AM017NN1PEH	AM022NN1PEH	AM022NN1DEH
Features	Type	1 Way CST	1 Way CST	1 Way CST
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*1 [kW]	1.70	2.20	2.20
	Cooling*1 [Btu/hr]	5,800	7,500	7,500
	Cooling*2 [kW]	1.75	2.26	2.26
	Cooling*2 [Btu/hr]	5,970	7,700	7,700
	Heating [kW]	1.90	2.50	2.50
	Heating [Btu/hr]	6,500	8,500	8,500
Power Input (Nominal)	Cooling [W]	24.00	25.00	40.00
	Heating [W]	24.00	25.00	40.00
Current Input (Nominal)	Cooling [A]	0.14	0.15	0.20
	Heating [A]	0.14	0.15	0.20
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Output x n [W]	(27.00 x 1)	(27.00 x 1)	(17.00 x 1)
	Air Flow Rate (H / M /L) [CMM]	(4.80 x 1) / (4.30 x 1) / (4.10 x 1)	(5.10 x 1) / (4.60 x 1) / (4.30 x 1)	(6.00 x 1) / (5.00 x 1) / (4.00 x 1)
	Air Flow Rate (H / M /L) [l/s]	(80.00 x 1) / (71.67 x 1) / (68.33 x 1)	(85.00 x 1) / (76.67 x 1) / (71.67 x 1)	(100.00 x 1) / (83.33 x 1) / (66.67 x 1)
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M /L) [dB(A)]	28 / 26 / 24	29 / 26 / 24	29 / 26 / 24
	Sound Power [dB(A)]	46	47	47
External Dimension (Outdoor Unit)	Net Weight [kg]	8.0	8.0	10.0
	Net Dimensions (WxHxD) [mm]	740 x 135 x 360	740 x 135 x 360	970 x 135 x 410
Panel Size	Panel Model	PC1MWFMANDZ	PC1MWFMANDZ	PC1NWFMANDZ
	Panel Net Weight [kg]	2.6	2.6	4.3
	Net Dimension (WxHxD) [mm]	960 x 35 x 420	960 x 35 x 420	1,198 x 35 x 500

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) Select wire size based on the value of MCA
6) Drain pump included (check valve included)

Individual Controllers (Optional)

MWR-WE13NDZ MWR-SH10NDZ MWR-SH00NDZ AR-EH03EDZ

Panel (Optional)

WIND-FREE
PC1MWFMANDZ (1.7~2.2kW)
PC1NWFMANDZ (2.2~3.6kW)
PC1BWFMANDZ (5.6~7.1kW)

Fluid type
PC1MWSKANDZ (1.7~2.2kW)
PC1NWSMANDZ (2.2~3.6kW)
PC1BWSMANDZ (5.6~7.1kW)

Classic type
PC1NUSMANDZ (2.2~3.6kW)
PC1BWSEANDZ (5.6~7.1kW)

DVM S
SPECIFICATION

1 WAY CASSETTE WIND-FREE

Model Code		AM028NN1DEH	AM036NN1DEH	AM056NN1DEH	AM071NN1DEH
Features	Type	1 Way CST	1 Way CST	1 Way CST	1 Way CST
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*1 [kW]	2.80	3.60	5.60	7.10
	Cooling*1 [Btu/hr]	9,600	12,300	19,100	24,200
	Cooling*2 [kW]	2.84	3.66	5.71	7.24
	Cooling*2 [Btu/hr]	9,700	12,500	19,500	24,700
	Heating [kW]	3.20	4.00	6.30	8.00
	Heating [Btu/hr]	10,900	13,600	21,500	27,300
Power Input (Nominal)	Cooling [W]	45.00	50.00	55.00	80.00
	Heating [W]	45.00	50.00	55.00	80.00
Current Input (Nominal)	Cooling [A]	0.23	0.25	0.28	0.40
	Heating [A]	0.23	0.25	0.28	0.40
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Output x n [W]	(17.00 x 1)	(17.00 x 1)	(54.00 x 1)	(54.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(7.00 x 1) / (6.00 x 1) / (5.00 x 1)	(8.00 x 1) / (7.00 x 1) / (6.00 x 1)	(16.00 x 1) / (14.00 x 1) / (12.50 x 1)	(17.00 x 1) / (15.50 x 1) / (14.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(116.67 x 1) / (100.00 x 1) / (83.33 x 1)	(133.33 x 1) / (116.67 x 1) / (100.00 x 1)	(266.67 x 1) / (233.33 x 1) / (208.33 x 1)	(283.33 x 1) / (258.33 x 1) / (233.33 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35	9.52
	Liquid Pipe [Ø, inch]	1/4"	1/4"	1/4"	3/8"
	Gas Pipe [Ø, mm]	12.70	12.70	12.70	15.88
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"	5/8"
	Drain Pipe [Ø, mm]	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)
Refrigerant	Type	R410A	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	32 / 28 / 24	37 / 33 / 30	41 / 38 / 35	42 / 39 / 36
	Sound Power [dB(A)]	50	55	59	60
External Dimension (Outdoor Unit)	Net Weight [kg]	10.0	10.0	13.5	13.5
	Net Dimensions (WxHxD) [mm]	970 x 135 x 410	970 x 135 x 410	1,200 x 138 x 450	1,200 x 138 x 450
Panel Size	Panel Model	PC1NWFMANDZ	PC1NWFMANDZ	PC1BWFMANDZ	PC1BWFMANDZ
	Panel Net Weight [kg]	4.3	4.3	5.0	5.0
	Net Dimension (WxHxD) [mm]	1,198 x 35 x 500	1,198 x 35 x 500	1,410 x 35 x 500	1,410 x 35 x 500

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) Select wire size based on the value of MCA
6) Drain pump included (check valve included)

Individual Controllers (Optional)

MWR-WE13NDZ MWR-SH10NDZ MWR-SH00NDZ AR-EH03EDZ

Panel (Optional)

WIND-FREE
PC1MWFMANDZ (1.7~2.2kW)
PC1NWFMANDZ (2.2~3.6kW)
PC1BWFMANDZ (5.6~7.1kW)

Fluid type
PC1MWSKANDZ (1.7~2.2kW)
PC1NWSMANDZ (2.2~3.6kW)
PC1BWSMANDZ (5.6~7.1kW)

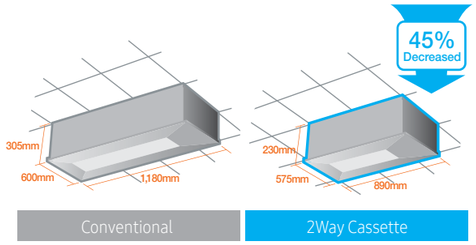
Classic type
PC1NUSMANDZ (2.2~3.6kW)
PC1BWSEANDZ (5.6~7.1kW)

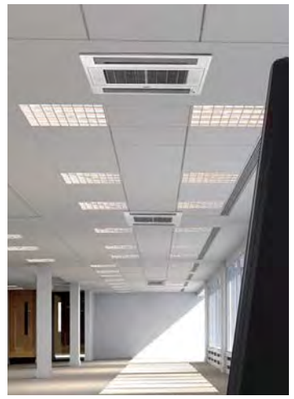
Compact But Powerful

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

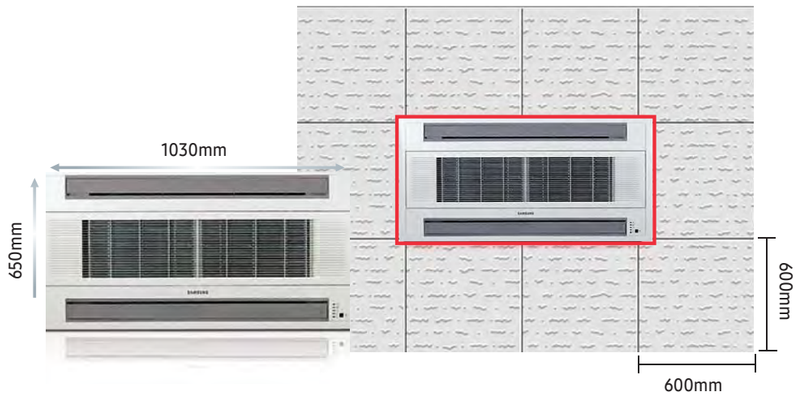
With its slim and compact size, Samsung 2-Way Cassette indoor unit is ideal air solution for long and narrow places such as corridor and classroom. It is more space-saving as compared to conventional 4-Way cassette.





Standardized fit for easy installation

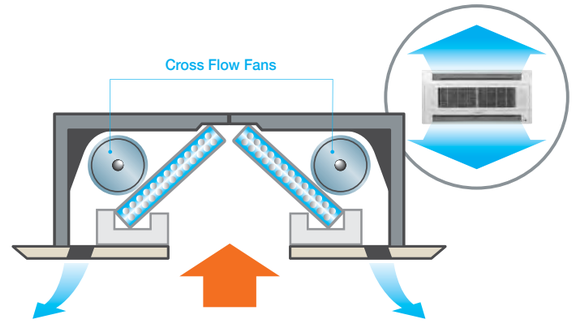
The 2Way Cassette unit dimensions allow for easy installation into standard ceiling grids (600W x 600D) for a tailored fit that blends nearly unnoticeably into the interior framework.



2 WAY CASSETTE

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.

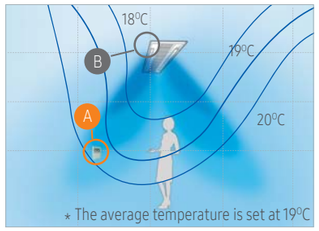


Auto Surround Swing

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

DVM S
SPECIFICATION

2 WAY CASSETTE

Model Code		AM056FN2DEH	AM071FN2DEH
Features	Type	2 Way CST	2 Way CST
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*1 [kW]	5.60	7.10
	Cooling*1 [Btu/hr]	19,100	24,200
	Cooling*2 [kW]	5.72	7.24
	Cooling*2 [Btu/hr]	19,500	24,700
	Heating [kW]	6.30	8.00
	Heating [Btu/hr]	21,500	27,300
Power Input (Nominal)	Cooling [kW]	70.00	75.00
	Heating [kW]	70.00	75.00
Current Input (Nominal)	Cooling [A]	0.38	0.40
	Heating [A]	0.38	0.40
Fan	Type	Crossflow Fan	Crossflow Fan
	Output x n [W]	(14.00 x 1)	(14.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(14.00 x 1) / (13.00 x 1) / (12.00 x 1)	(15.00 x 1) / (14.00 x 1) / (13.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(233.33 x 1) / (216.67 x 1) / (200.00 x 1)	(250.00 x 1) / (233.33 x 1) / (216.67 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	9.52
	Liquid Pipe [Ø, inch]	1/4"	3/8"
	Gas Pipe [Ø, mm]	12.70	15.88
	Gas Pipe [Ø, inch]	1/2"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	38 / 37 / 35	41 / 39 / 37
	Sound Power [dB(A)]	21	22
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	PC2NUSMENDZ	PC2NUSMENDZ
	Panel Net Weight [kg]	4.0	4.0
	Net Dimension (WxHxD) [mm]	1,030 x 25 x 650	1,030 x 25 x 650

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)


MWR-WE11NDZ
MWR-WE13NDZ


MWR-SH10NDZ


MWR-SH00NDZ


MR-EH00DZ
AR-EH03EDZ

Panel (Optional)


PC2NUSMENDZ

MEMO

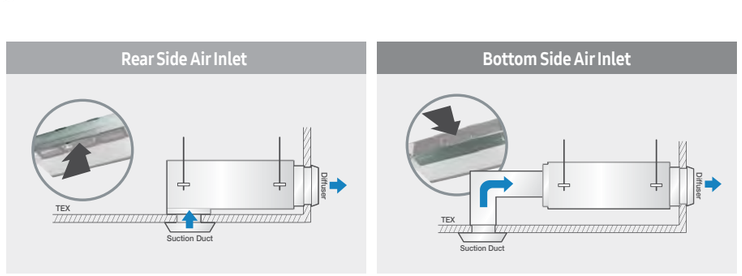
SLIM CEILING DUCTED

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.

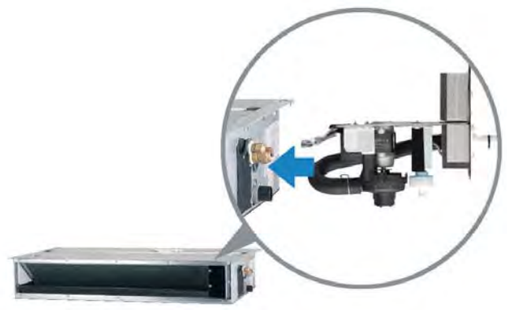
Flexible Installation

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 confi gured 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.



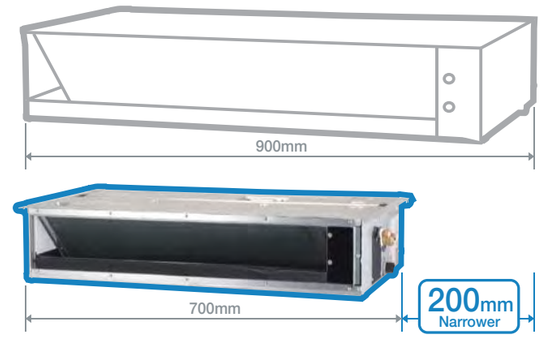
SLIM CEILING DUCTED

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.

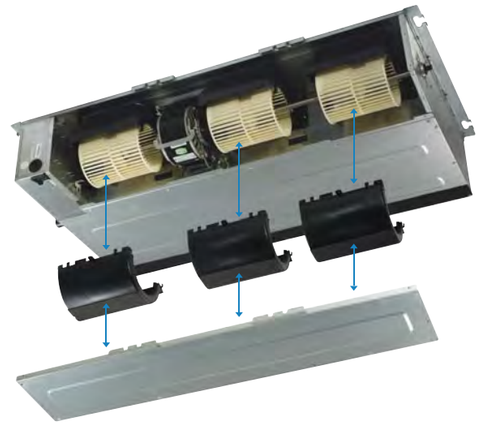
World's lightest weight

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.



DVM S
SPECIFICATION

SLIM DUCT (Build-in Drain Pump)

Model Code		AM017KNLDEH	AM022KNLDEH	AM028KNLDEH
Features	Type	Slim Duct	Slim Duct	Slim Duct
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*1 [kW]	1.70	2.20	2.80
	Cooling*1 [Btu/hr]	5,800	7,500	9,600
	Cooling*2 [kW]	1.75	2.26	2.84
	Cooling*2 [Btu/hr]	5,970	7,700	9,700
	Heating [kW]	1.90	2.50	3.20
	Heating [Btu/hr]	6,500	8,500	10,900
Power Input (Nominal)	Cooling [kW]	28.00	30.00	34.00
	Heating [kW]	28.00	30.00	36.00
Current Input (Nominal)	Cooling [A]	0.23	0.25	0.28
	Heating [A]	0.23	0.25	0.30
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	(69.00 x 1)	(69.00 x 1)	(69.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(5.45 x 1) / (4.45 x 1) / (3.80 x 1)	(6.00 x 1) / (4.90 x 1) / (3.80 x 1)	(7.05 x 1) / (5.15 x 1) / (4.35 x 1)
	Air Flow Rate (H / M / L) [l/s]	(90.83 x 1) / (74.17 x 1) / (63.33 x 1)	(100.00 x 1) / (81.67 x 1) / (63.33 x 1)	(117.50 x 1) / (85.83 x 1) / (72.50 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	0.00 / 1.00 / 3.00	0.00 / 1.00 / 3.00	0.00 / 1.00 / 3.00
	External Static Pressure (Min / Std / Max) [Pa]	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	25 / 22 / 19	26 / 23 / 19	28 / 24 / 19
	Sound Power [dB(A)]	40	42	44
External Dimension (Outdoor Unit)	Net Weight [kg]	15.3	15.3	15.3
	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

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | AR-MRK-A10NDZ

DVM S
SPECIFICATION

SLIM DUCT (Build-in Drain Pump)

Model Code		AM036KNLDEH	AM045KNLDEH	AM056KNLDEH
Features	Type	Slim Duct	Slim Duct	Slim Duct
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*1 [kW]	3.60	4.50	5.60
	Cooling*1 [Btu/hr]	12,300	15,400	19,100
	Cooling*2 [kW]	3.66	4.60	5.71
	Cooling*2 [Btu/hr]	12,500	15,700	19,500
	Heating [kW]	4.00	5.00	6.30
	Heating [Btu/hr]	13,600	17,100	21,500
Power Input (Nominal)	Cooling [kW]	40.00	90.00	95.00
	Heating [kW]	42.00	90.00	95.00
Current Input (Nominal)	Cooling [A]	0.33	0.52	0.53
	Heating [A]	0.35	0.52	0.53
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	(69.00 x 1)	-	-
	Air Flow Rate (H / M / L) [CMM]	(8.20 x 1) / (6.50 x 1) / (4.90 x 1)	(11.00 x 1) / (9.60 x 1) / (8.30 x 1)	(12.00 x 1) / (10.50 x 1) / (9.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(136.67 x 1) / (108.33 x 1) / (81.67 x 1)	(183.33 x 1) / (160.00 x 1) / (138.33 x 1)	(200.00 x 1) / (175.00 x 1) / (150.00 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	0.00 / 1.00 / 3.00	0.00 / 2.00 / 4.00	0.00 / 2.00 / 4.00
	External Static Pressure (Min / Std / Max) [Pa]	0.00 / 9.81 / 29.42	0.00 / 19.61 / 39.23	0.00 / 19.61 / 39.23
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	31 / 26 / 20	35 / 31 / 26	36 / 34 / 31
	Sound Power [dB(A)]	46	53	55
External Dimension (Outdoor Unit)	Net Weight [kg]	15.7	24.5	24.5
	Net Dimensions (WxHxD) [mm]	700 x 199 x 440	900 x 199 x 600	900 x 199 x 600
Air Filter	Type	Long life filter	Long life filter	Long life filter

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | AR-MRK-A10NDZ

DVM S
SPECIFICATION

SLIM DUCT (Build-in Drain Pump)

Model Code		AM071KNLDEH	AM090KNLDEH	AM112KNLDEH
Features	Type	Slim Duct	Slim Duct	Slim Duct
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*1 [kW]	7.10	9.00	11.20
	Cooling*1 [Btu/hr]	24,200	30,700	38,200
	Cooling*2 [kW]	7.24	9.14	11.40
	Cooling*2 [Btu/hr]	24,700	31,200	38,900
	Heating [kW]	8.00	10.00	12.50
	Heating [Btu/hr]	27,300	34,100	42,700
Power Input (Nominal)	Cooling [kW]	120.00	170.00	170.00
	Heating [kW]	120.00	170.00	170.00
Current Input (Nominal)	Cooling [A]	0.60	0.96	0.96
	Heating [A]	0.60	0.96	0.96
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	-	-	-
	Air Flow Rate (H / M / L) [CMM]	(16.50 x 1) / (15.00 x 1) / (13.50 x 1)	(29.00 x 1) / (27.00 x 1) / (25.00 x 1)	(31.20 x 1) / (29.00 x 1) / (27.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(275.00 x 1) / (250.00 x 1) / (225.00 x 1)	(483.33 x 1) / (450.00 x 1) / (416.67 x 1)	(520.00 x 1) / (483.33 X 1) / (450.00 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	0.00 / 2.00 / 4.00	0.00 / 3.00 / 6.00	0.00 / 3.00 / 6.00
	External Static Pressure (Min / Std / Max) [Pa]	0.00 / 19.61 / 39.23	0.00 / 29.42 / 58.84	0.00 / 29.42 / 58.84
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	38 / 36 / 33	37 / 36 / 34	37 / 36 / 34
	Sound Power [dB(A)]	57	66	66
External Dimension (Outdoor Unit)	Net Weight [kg]	30.5	40.5	40.5
	Net Dimensions (WxHxD) [mm]	1,100 x 199 x 600	1,300 x 295 x 690	1,300 x 295 x 690
Air Filter	Type	Long life filter	Long life filter	Long life filter

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27ºC DB, 19ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27ºC DB, 19.5ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20ºC DB, 15ºC WB - Outdoor temperature : 7ºC DB, 6ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | AR-MRK-A10NDZ

DVM S
SPECIFICATION

SLIM DUCT (Build-in Drain Pump)

Model Code		AM128KNLDEH	AM140KNLDEH
Features	Type	Slim Duct	Slim Duct
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*1 [kW]	12.80	14.00
	Cooling*1 [Btu/hr]	43,700	47,800
	Cooling*2 [kW]	13.04	14.24
	Cooling*2 [Btu/hr]	44,500	48,600
	Heating [kW]	13.80	16.00
	Heating [Btu/hr]	47,100	54,600
Power Input (Nominal)	Cooling [kW]	200.00	220.00
	Heating [kW]	200.00	220.00
Current Input (Nominal)	Cooling [A]	1.28	1.43
	Heating [A]	1.28	1.43
Fan	Type	Sirocco Fan	Sirocco Fan
	Output x n [W]	-	-
	Air Flow Rate (H / M / L) [CMM]	(34.00 X 1) / (32.00 X 1) / (30.00 X 1)	(36.00 X 1) / (34.00 x 1) / (32.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(566.67 x 1) / (533.33 x 1) / (500.00 x 1)	(600.00 x 1) / (566.67 x 1) / (533.33 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	0.00 / 3.00 / 6.00	0.00 / 3.00 / 6.00
	External Static Pressure (Min / Std / Max) [Pa]	0.00 / 29.42 / 58.84	0.00 / 29.42 / 58.84
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	37 / 36 / 34	39 / 38 / 36
	Sound Power [dB(A)]	66	68
External Dimension (Outdoor Unit)	Net Weight [kg]	42.0	42.0
	Net Dimensions (WxHxD) [mm]	1,300 x 295 x 690	1,300 x 295 x 690
Air Filter	Type	Long life filter	Long life filter

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27ºC DB, 19ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27ºC DB, 19.5ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20ºC DB, 15ºC WB - Outdoor temperature : 7ºC DB, 6ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | AR-MRK-A10NDZ

MSP CEILING DUCTED

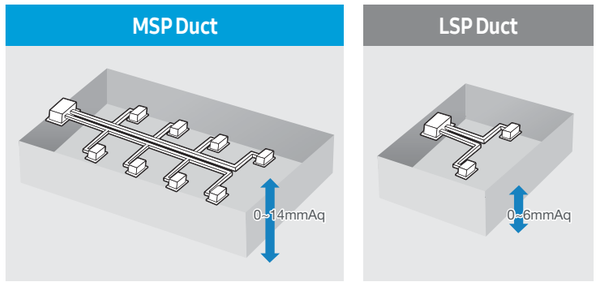
Powerful and Flexible

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.



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.

*Measured without control box.

MSP CEILING DUCTED

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.

MSP DUCT (Build-in Drain Pump)

Model Code		AM022KNMDEH	AM028KNMDEH	AM036KNMDEH
Features	Type	MSP Duct	MSP Duct	MSP Duct
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*1 [kW]	2.20	2.80	3.60
	Cooling*1 [Btu/hr]	7,500	9,600	12,300
	Cooling*2 [kW]	2.26	2.84	3.66
	Cooling*2 [Btu/hr]	7,700	9,700	12,500
	Heating [kW]	2.50	3.20	4.00
	Heating [Btu/hr]	8,500	10,900	13,600
Power Input (Nominal)	Cooling [kW]	80.00	80.00	85.00
	Heating [kW]	80.00	80.00	85.00
Current Input (Nominal)	Cooling [A]	0.40	0.40	0.55
	Heating [A]	0.40	0.40	0.55
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	(69.00 x 1)	(69.00 x 1)	(112.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(8.50 x 1) / (7.50 x 1) / (6.30 x 1)	(10.00 x 1) / (9.20 x 1) / (7.50 x 1)	(12.00 x 1) / (10.20 x 1) / (8.80 x 1)
	Air Flow Rate (H / M / L) [l/s]	(141.67 x 1) / (125.00 x 1) / (105.00 x 1)	(166.67 x 1) / (153.33 x 1) / (125.00 x 1)	(200.00 x 1) / (170.00 x 1) / (146.67 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	0.00 / 2.00 / 6.00	0.00 / 2.00 / 6.00	0.00 / 2.00 / 6.00
	External Static Pressure (Min / Std / Max) [Pa]	0.00 / 19.61 / 58.84	0.00 / 19.61 / 58.84	0.00 / 19.61 / 58.84
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	23 / 21 / 19	24 / 22 / 19	29 / 27 / 24
	Sound Power [dB(A)]	47	48	53
External Dimension (Outdoor Unit)	Net Weight [kg]	24.0	24.0	24.0
	Net Dimensions (WxHxD) [mm]	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600
Air Filter	Type	-	-	-

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | AR-MRK-A10NDZ

DVM S
SPECIFICATION

MSP DUCT (Build-in Drain Pump)

Model Code		AM045KNMDEH	AM056KNMDEH	AM071KNMDEH
Features	Type	MSP Duct	MSP Duct	MSP Duct
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*1 [kW]	4.50	5.60	7.10
	Cooling*1 [Btu/hr]	15,400	19,100	24,200
	Cooling*2 [kW]	4.60	5.71	7.24
	Cooling*2 [Btu/hr]	15,700	19,500	24700
	Heating [kW]	5.00	6.30	8.00
	Heating [Btu/hr]	17,100	21,500	27,300
Power Input (Nominal)	Cooling [kW]	125.00	130.00	190.00
	Heating [kW]	125.00	130.00	190.00
Current Input (Nominal)	Cooling [A]	1.15	1.10	1.25
	Heating [A]	1.15	1.10	1.25
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	(219.00 x 1)	(124.00 x 1)	(124.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(14.00 x 1) / (12.00 x 1) / (10.50 x 1)	(14.50 x 1) / (13.00 x 1) / (11.50 x 1)	(18.50 x 1) / (17.00 x 1) / (15.50 x 1)
	Air Flow Rate (H / M / L) [l/s]	(233.33 x 1) / (200.00 x 1) / (175.00 x 1)	(241.67 x 1) / (216.67 x 1) / (191.67 x 1)	(308.33 x 1) / (283.33 x 1) / (258.33 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	0.00 / 4.00 / 8.00	0.00 / 4.00 / 8.00	0.00 / 4.00 / 8.00
	External Static Pressure (Min / Std / Max) [Pa]	0.00 / 39.23 / 78.45	0.00 / 4.00 / 8.00	0.00 / 39.23 / 78.45
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Liquid Pipe [Ø, inch]	1/4"	1/4"	3/8"
	Gas Pipe [Ø, mm]	12.70	12.70	15.88
	Gas Pipe [Ø, inch]	1/2"	1/2"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	32 / 30 / 28	35 / 33 / 31	39 / 35 / 31
	Sound Power [dB(A)]	54	57	61
External Dimension (Outdoor Unit)	Net Weight [kg]	28.5	28.5	28.5
	Net Dimensions (WxHxD) [mm]	900 x 260 x 480	900 x 260 x 480	900 x 260 x 480
Air Filter	Type	-	-	-

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | AR-MRK-A10NDZ

DVM S
SPECIFICATION

MSP DUCT (Build-in Drain Pump)

Model Code		AM090KNMDEH	AM112KNMDEH	AM128KNMDEH
Features	Type	MSP Duct	MSP Duct	MSP Duct
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*1 [kW]	9.00	11.20	12.80
	Cooling*1 [Btu/hr]	30,700	38,200	43,700
	Cooling*2 [kW]	9.14	11.40	13.04
	Cooling*2 [Btu/hr]	31,200	38,900	44,500
	Heating [kW]	10.00	12.50	13.80
	Heating [Btu/hr]	34,100	42,700	47,100
Power Input (Nominal)	Cooling [kW]	240.00	260.00	370.00
	Heating [kW]	240.00	260.00	370.00
Current Input (Nominal)	Cooling [A]	1.30	1.17	1.67
	Heating [A]	1.30	1.17	1.67
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	(130.00 x 1)	(130.00 x 1)	(218.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(19.50 x 1) / (18.00 x 1) / (16.50 x 1)	(27.00 x 1) / (25.00 x 1) / (23.00 x 1)	(32.00 x 1) / (30.00 x 1) / (28.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(325.00 x 1) / (300.00 x 1) / (275.00 x 1)	(450.00 x 1) / (416.67 x 1) / (383.33 x 1)	(533.33 x 1) / (500.00 x 1) / (466.67 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	4.00 / 6.00 / 8.00	4.00 / 8.00 / 12.00	4.00 / 8.00 / 14.00
	External Static Pressure (Min / Std / Max) [Pa]	39.23 / 58.84 / 78.45	39.23 / 78.45 / 117.68	39.23 / 78.45 / 137.29
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	40 / 37 / 34	41 / 40 / 38	41 / 40 / 38
	Sound Power [dB(A)]	63	66	66
External Dimension (Outdoor Unit)	Net Weight [kg]	32.5	36.0	48.5
	Net Dimensions (WxHxD) [mm]	1,150 x 260 x 480	1,150 x 320 x 480	1,200 x 360 x 650
Air Filter	Type	-	-	-

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27ºC DB, 19ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27ºC DB, 19.5ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20ºC DB, 15ºC WB - Outdoor temperature : 7ºC DB, 6ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | AR-MRK-A10NDZ

DVM S
SPECIFICATION

MSP DUCT (Build-in Drain Pump)

Model Code		AM140KNMDEH	AM160KNMDEH1
Features	Type	MSP Duct	MSP Duct
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*1 [kW]	14.00	16.00
	Cooling*1 [Btu/hr]	47,800	54,600
	Cooling*2 [kW]	14.24	16.29
	Cooling*2 [Btu/hr]	48,600	55,600
	Heating [kW]	16.00	18.00
	Heating [Btu/hr]	54,600	61,400
Power Input (Nominal)	Cooling [kW]	410.00	485.00
	Heating [kW]	410.00	485.00
Current Input (Nominal)	Cooling [A]	1.86	2.24
	Heating [A]	1.86	2.24
Fan	Type	Sirocco Fan	Sirocco Fan
	Output x n [W]	(218.00 x 1)	(370.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(37.00 x 1) / (34.00 x 1) / (31.00 x 1)	(43.00 x 1) / (38.00 x 1) / (30.50 x 1)
	Air Flow Rate (H / M / L) [l/s]	(616.67 x 1) / (566.67 x 1) / (516.67 x 1)	(716.67 x 1) / (633.33 x 1) / (508.33 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	4.00 / 8.00 / 14.00	4.00 / 8.00 / 14.00
	External Static Pressure (Min / Std / Max) [Pa]	39.23 / 78.45 / 137.29	39.23 / 78.45 / 137.29
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	42 / 39 / 36	43 / 40 / 36
	Sound Power [dB(A)]	68	69
External Dimension (Outdoor Unit)	Net Weight [kg]	48.5	50.5
	Net Dimensions (WxHxD) [mm]	1,200 x 360 x 650	1,200 x 360 x 650
Air Filter	Type	-	-

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27ºC DB, 19ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27ºC DB, 19.5ºC WB - Outdoor temperature : 35ºC DB, 24ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20ºC DB, 15ºC WB - Outdoor temperature : 7ºC DB, 6ºC WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | AR-MRK-A10NDZ

HSP CEILING DUCTED

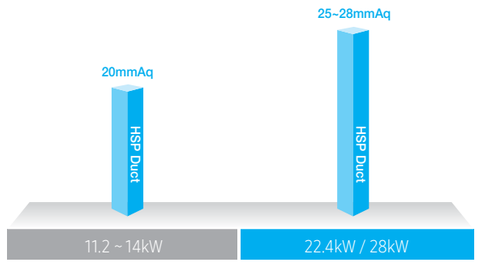
Powerful and Flexible

Managing high external static pressures up to 28mmAq, 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 28.0kW model.

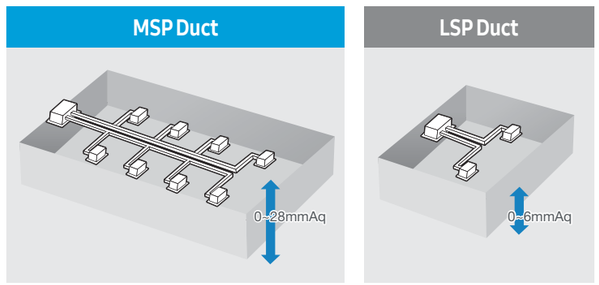
High External Static Pressure

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.



HSP CEILING DUCTED

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.

DVM S
SPECIFICATION

HSP DUCT

Model Code		AM112FNHDEH	AM128FNHDEH	AM140FNHDEH
Features	Type	HSP Duct	HSP Duct	HSP Duct
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*1 [kW]	11.20	12.80	14.00
	Cooling*1 [Btu/hr]	38,200	43,700	47,800
	Cooling*2 [kW]	11.40	13.04	14.24
	Cooling*2 [Btu/hr]	38,900	44,500	48,600
	Heating [kW]	12.50	13.80	16.80
	Heating [Btu/hr]	42,700	47,100	57,300
Power Input (Nominal)	Cooling [kW]	510.00	560.00	625.00
	Heating [kW]	510.00	560.00	625.00
Current Input (Nominal)	Cooling [A]	3.60	3.75	3.90
	Heating [A]	3.60	3.75	3.90
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	-	-	-
	Air Flow Rate (H / M / L) [CMM]	(32.00 x 1) / (27.00 x 1) / (23.00 x 1)	(35.00 x 1) / (31.00 x 1) / (26.00 x 1)	(39.00 x 1) / (33.00 x 1) / (28.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(533.33 x 1) / (450.00 x 1) / (383.33 x 1)	(583.33 x 1) / (516.67 x 1) / (466.67 x 1)	(650.00 x 1) / (550.00 x 1) / (466.67 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	5.00 / 10.00 / 20.00	5.00 / 10.00 / 20.00	5.00 / 10.00 / 20.00
	External Static Pressure (Min / Std / Max) [Pa]	49.00 / 98.10 / 196.10	49.00 / 98.10 / 196.10	49.00 / 98.10 / 196.10
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	43 / 41 / 39	45 / 43 / 42	46 / 45 / 44
	Sound Power [dB(A)]	-	-	-
External Dimension (Outdoor Unit)	Net Weight [kg]	57.0	57.0	57.0
	Net Dimensions (WxHxD) [mm]	1,200 x 360 x 650	1,200 x 360 x 650	1,200 x 360 x 650
Air Filter	Type	Long life filter	Long life filter	Long life filter

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ MWR-SH10NDZ MWR-SH00NDZ MR-EH00DZ AR-EH03EDZ AR-MRK-A10NDZ

Drain Pump (Optional)

MDP-N047SNC1DDZ

DVM S
SPECIFICATION

HSP DUCT

Model Code		AM220FNHDEH	AM280FNHDEH
Features	Type	HSP Duct	HSP Duct
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*1 [kW]	22.40	28.00
	Cooling*1 [Btu/hr]	76,400	95,500
	Cooling*2 [kW]	23.21	29.01
	Cooling*2 [Btu/hr]	79,200	99,000
	Heating [kW]	25.00	31.50
	Heating [Btu/hr]	85,300	107,500
Power Input (Nominal)	Cooling [kW]	530.00	790.00
	Heating [kW]	530.00	790.00
Current Input (Nominal)	Cooling [A]	3.80	5.90
	Heating [A]	3.80	5.90
Fan	Type	Sirocco Fan	Sirocco Fan
	Output x n [W]	(400.00 x 1)	(400.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(58.00 x 1) / (52.00 x 1) / (47.00 x 1)	(72.00 x 1) / (65.00 x 1) / (58.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(966.67 x 1) / (866.67 x 1) / (783.33 x 1)	(1,200.00 x 1) / (1,083.33 x 1) / (966.67 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	5.00 / 15.00 / 25.00	5.00 / 15.00 / 28.00
	External Static Pressure (Min / Std / Max) [Pa]	49.03 / 147.10 / 245.17	49.03 / 147.10 / 274.59
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"
	Gas Pipe [Ø, mm]	19.05	22.23
	Gas Pipe [Ø, inch]	3/4"	7/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	45 / 43 / 41	48 / 46 / 43
	Sound Power [dB(A)]	-	-
External Dimension (Outdoor Unit)	Net Weight [kg]	89.0	89.0
	Net Dimensions (WxHxD) [mm]	1,240 x 470 x 1,040	1,240 x 470 x 1,040
Air Filter	Type	-	-

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ MWR-SH10NDZ MWR-SH00NDZ MR-EH00DZ AR-EH03EDZ AR-MRK-A10NDZ

Drain Pump (Optional)

MDP-N047SNC1DDZ

DUCT S

Experience performance and convenient comfort for any weather condition

Samsung Duct S delivers unparalleled cooling and heating and flexible management with customizable comfort settings in any climate—all year round. Plus, it boasts a slim, compact size and multiple access points for easy setup exactly where needed.

The Duct S indoor air conditioning unit delivers smooth, consistent operation and convenience with features such as:

- **Efficient operation.** Stage the desired atmosphere with energy-efficient performance and customized airflow.
- **Smart management.** Cool spaces efficiently and manage the air conditioning unit even while away, with features designed for efficiency and control.
- **Easy, flexible setup.** Install and maintain even multiple units with a compact and easily accessible design.

Deliver consistent cooling and heating with innovative operation for maximum comfort

Samsung Duct S is a global frontrunner in energy-efficient design, temperature control and power. Its aerodynamic blade technology increases airflow silently while adjustable air tuning customizes the indoor climate for any situation.

World-class energy efficiency

The Samsung Duct S unit boasts cutting-edge technologies to deliver stellar energy efficiency.

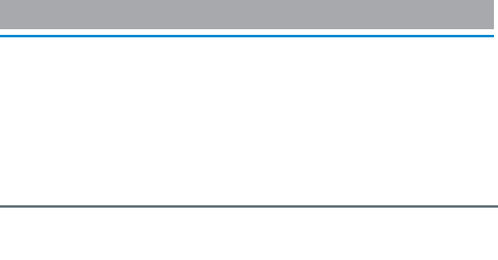
- **Twin Rotary BLDC Compressors.** These robust compressors reduce fluctuation and vibration by 75 percent for effective reluctance.
- **FME/FMC (Flat Micro-channel Evaporator/Condenser).** Samsung's FME/FMC technology achieves a 30 percent increase in efficiency compared with the conventional fi n and tube type. It has also enabled a 30 percent decrease in unit size.

Silent performance

The Samsung Duct S includes aerodynamic blades that increase air volume by 10 percent with less noise for powerful comfort with less distraction.

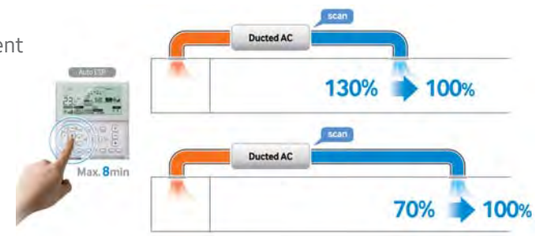
Easy air tuning

Smart Tuning provides the delicate control needed for optimum comfort for any occasion. Users can easily fine-tune operational power to suit their activity level, while also ensuring minimum noise and energy savings.



Automatic air volume

Duct S features ingenious technology that senses the current air volume and pressure and then quickly adjusts its performance to ensure optimum comfort, whatever the duct length.



Powerful cooling

With the integration of the all new sirocco fan, the Duct S ensures sufficient air volume by adopting a bigger, more powerful fan than conventional models.

Cleaner, healthier air

Users can clean indoor air with the optional Virus Doctor for a cleaner work or living atmosphere.
The easy-to-install Virus Doctor generates active hydrogen and oxygen ions to eliminate airborne contaminants, completely eradicate airborne bacteria and allergens, and even neutralize OH (hydroxyl) radicals.

DUCT S
SMART MANAGEMENT

Minimize maintenance with innovative management and anywhere control

Samsung Duct S offers smart management features and settings that enable users to spend less time maintaining the unit and more time on what matters most to them. Users can enjoy stress-free comfort and control all year and all day long.

Intuitive zone control

With the Duct S Zone Controller, users can cool multiple spaces easily while conserving energy. Up to eight zones can be connected and controlled by a single indoor unit. This function enables users to create the perfect ambiance in different rooms and reduce power consumption by turning the dampers on and off. All this control is wielded easily from a stylish, wide touchscreen that supports intuitive and simple operation.

All-season comfort

Away Mode enables users to maintain comfort and energy savings with thermal storage operation to keep the room cool during the summer season and warm during winter.

Anytime temperature control

The Duct S enables users to have separate settings for daytime and nighttime, so they can live and sleep in perfect comfort.

Three-step quiet performance

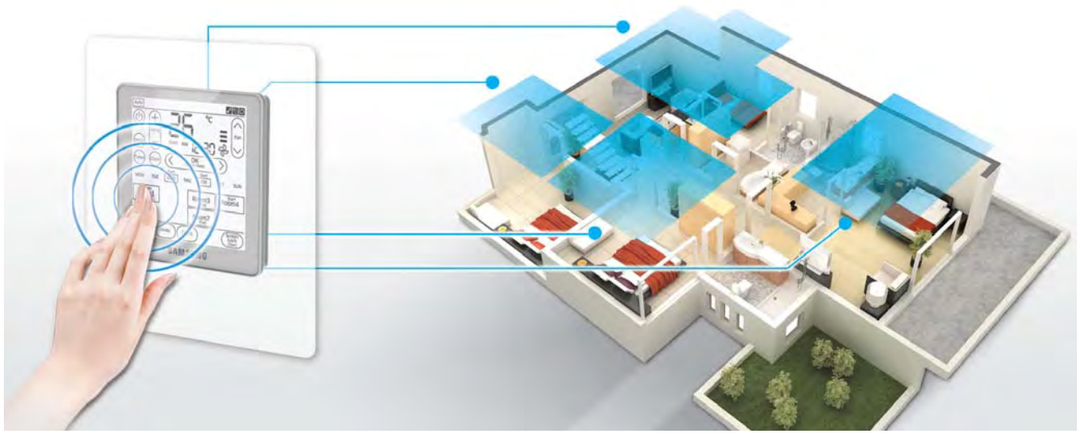
Ensure quiet operation during the night with a reduced noise level of 3-7 dB. Duct S minimizes noise levels with 3-step quiet operation—1 step: 3 dB; 2 step: 5 dB; 3 step: 7 dB.

Agile, anywhere operation

With optional Smart Wi-Fi, users can control their AC anywhere, anytime using a smart device, and turn it off easily to conserve energy, even while away from home.

EZ Filter, easy maintenance

The Duct S includes a filter that is easy to assemble and disassemble. And filter cleanup and maintenance are hassle-free—simply rinse the filter under running water.



DUCT S
EASY, FLEXIBLE SETUP

Streamline management with a flexible design

The Samsung Duct S is designed especially for simple installation, handling and maintenance. Its discreet, accessible design makes for easy upkeep, while the smart plug-and-connect drainage streamlines maintenance for even multiple units.

Slim design and light weight

A streamlined construction makes the Duct S convenient to install and maintain in any building.
Its compact, slender design reduces its volume and weight compared to conventional air conditioners.
Duct S is 30 percent smaller than its counterparts, so it fits easily into small spaces. But despite its small frame, Duct S offers exceptional efficiency, while its light weight supports convenient handling and setup.

Wide range of ESP

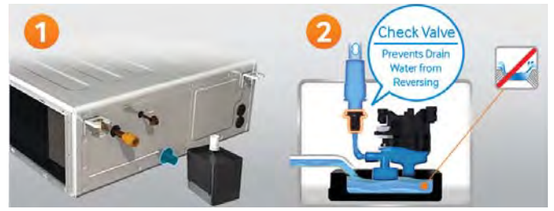
Users can choose from a complete range of Duct S products to deliver the right capacity, right ESP and right sized product.

Three-way access

With its smart, multi-entry design and slide fit, users can access the Duct S from three directions (top, side and bottom) for easy maintenance.

Plug-and-connect drainage

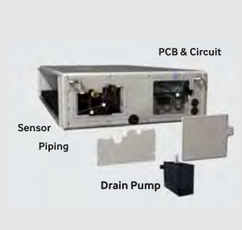
The optional Plug and Connect External Type drain pump takes the hassle out of draining the unit. Simply plug it in and connect it, and with the single drain pump, maintaining all the building's Duct S units is easier than ever. Plus, the advanced check valve prevents drain water backflow, freeing the unit from the bacteria and fungi of water stagnation in the drain pan.



From the Top

From the Bottom

From the Side



DVM S
SPECIFICATION

DUCT S

Model Code		AM036HNMPKH	AM045HNMPKH	AM056HNMPKH
Features	Type	Duct S	Duct S	Duct S
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*1 [kW]	3.60	4.50	5.60
	Cooling*1 [Btu/hr]	12,300	15,400	19,100
	Cooling*2 [kW]	3.66	4.60	5.71
	Cooling*2 [Btu/hr]	12,500	15,700	19,500
	Heating [kW]	4.00	5.00	6.30
	Heating [Btu/hr]	13,600	17,100	21,500
Power Input (Nominal)	Cooling [kW]	50.00	60.00	70.00
	Heating [kW]	50.00	60.00	70.00
Current Input (Nominal)	Cooling [A]	0.50	0.60	0.70
	Heating [A]	0.50	0.60	0.70
	MCA [A]	1.04	1.26	1.26
	MFA [A]	15.00	15.00	15.00
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	(153.00 x 1)	(153.00 x 1)	(153.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(12.00 x 1) / (9.50 x 1) / (8.00 x 1)	(14.00 x 1) / (11.00 x 1) / (8.00 x 1)	(16.00 x 1 / (13.50 x 1) / (11.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(200.00 x 1) / (158.00 x 1) / (133.00 x 1)	(233.00 x 1) / (183.00 x 1) / (133.00 x 1)	(267.00 x 1) / (225.00 x 1) / (183.00 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	0.00 / 2.50 / 15.00	0.00 / 3.00 / 15.00	0.00 / 3.00 / 15.00
	External Static Pressure (Min / Std / Max) [Pa]	0.00 / 24.50 / 147.20	0.00 / 29.40 / 147.20	0.00 / 29.40 / 147.20
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	29 / 26 / 23	31 / 28 / 24	32 / 29 / 25
	Sound Power [dB(A)]	40	44	45
External Dimension (Outdoor Unit)	Net Weight [kg]	25.5	25.5	25.5
	Net Dimensions (WxHxD) [mm]	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700
Air Filter	Type	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | MRK-A10NDZ

Drain Pump (Optional)

MDP-G075SPDZ (External Type) | MDP-G075SQDZ (Internal Type)

DVM S
SPECIFICATION

DUCT S

Model Code		AM071HNMPKH	AM090HNMPKH	AM112HNMPKH
Features	Type	Duct S	Duct S	Duct S
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*1 [kW]	7.10	9.00	11.20
	Cooling*1 [Btu/hr]	24,200	30,700	38,200
	Cooling*2 [kW]	7.24	9.14	11.40
	Cooling*2 [Btu/hr]	24,700	31,200	38,900
	Heating [kW]	8.00	10.00	12.50
	Heating [Btu/hr]	27,300	34,100	42,700
Power Input (Nominal)	Cooling [kW]	120.00	145.00	165.00
	Heating [kW]	120.00	145.00	165.00
Current Input (Nominal)	Cooling [A]	1.00	1.20	1.40
	Heating [A]	1.00	1.20	1.40
	MCA [A]	1.52	2.03	2.51
	MFA [A]	15.00	15.00	15.00
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	(153.00 x 1)	(153.00 x 1)	(244.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(22.00 x 1) / (19.00 x 1) / (16.00 x 1)	(29.00 x 1) / (25.00 x 1) / (22.00 x 1)	(35.00 x 1) / (29.00 x 1) / (22.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(367.00 x 1) / (317.00 x 1) / (267.00 x 1)	(483.00 x 1) / (417.00 x 1) / (367.00 x 1)	(583.00 x 1) / (483.00 x 1) / (367.00 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	0.00 / 3.00 / 15.00	0.00 / 4.00 / 15.00	0.00 / 5.20 / 15.00
	External Static Pressure (Min / Std / Max) [Pa]	0.00 / 29.40 / 147.20	0.00 / 39.20 / 147.20	0.00 / 51.00 / 147.20
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	37 / 33 / 29	38 / 35 / 32	38 / 35 / 32
	Sound Power [dB(A)]	47	44	45
External Dimension (Outdoor Unit)	Net Weight [kg]	25.5	33.0	38.5
	Net Dimensions (WxHxD) [mm]	850 x 250 x 700	1,200 x 250 x 700	1,300 x 300 x 700
Air Filter	Type	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | MRK-A10NDZ

Drain Pump (Optional)

MDP-G075SPDZ (External Type) | MDP-G075SQDZ (Internal Type)

DVM S
SPECIFICATION

DUCT S

Model Code		AM128HNMPKH	AM140HNMPKH
Features	Type	Duct S	Duct S
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*1 [kW]	12.80	14.00
	Cooling*1 [Btu/hr]	43,700	47,800
	Cooling*2 [kW]	13.04	14.24
	Cooling*2 [Btu/hr]	44,500	48,600
	Heating [kW]	13.80	16.00
	Heating [Btu/hr]	47,100	54,600
Power Input (Nominal)	Cooling [kW]	175.00	215.00
	Heating [kW]	175.00	215.00
Current Input (Nominal)	Cooling [A]	1.50	1.70
	Heating [A]	1.50	1.70
	MCA [A]	2.51	2.51
	MFA [A]	15.00	15.00
Fan	Type	Sirocco Fan	Sirocco Fan
	Output x n [W]	(244.00 x 1)	(244.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(38.00 x 1) / (32.00 x 1) / (25.00 x 1)	(42.00 x 1) / (34.00 x 1) / (25.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(633.00 x 1) / (533.00 x 1) / (417.00 x 1)	(700.00 x 1) / (567.00 x 1) / (417.00 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	0.00 / 5.20 / 15.00	0.00 / 5.20 / 15.00
	External Static Pressure (Min / Std / Max) [Pa]	0.00 / 51.00 / 147.20	0.00 / 51.00 / 147.20
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	39 / 36 / 33	40 / 37 / 33
	Sound Power [dB(A)]	46	47
External Dimension (Outdoor Unit)	Net Weight [kg]	38.5	38.5
	Net Dimensions (WxHxD) [mm]	1,300 x 300 x 700	1,300 x 300 x 700
Air Filter	Type	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | MRK-A10NDZ

Drain Pump (Optional)

MDP-G075SPDZ (External Type) | MDP-G075SQDZ (Internal Type)

DVM S
SPECIFICATION

DUCT S

Model Code		AM112HNHPKH	AM128HNHPKH	AM140HNHPKH
Features	Type	Duct S	Duct S	Duct S
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*1 [kW]	11.20	12.80	14.00
	Cooling*1 [Btu/hr]	38,200	43,700	47,800
	Cooling*2 [kW]	11.40	13.04	14.24
	Cooling*2 [Btu/hr]	38,900	44,500	48,600
	Heating [kW]	12.50	13.80	16.00
	Heating [Btu/hr]	42,700	47,100	54,600
Power Input (Nominal)	Cooling [kW]	205.00	230.00	260.00
	Heating [kW]	205.00	230.00	260.00
Current Input (Nominal)	Cooling [A]	1.20	1.40	1.50
	Heating [A]	1.20	1.40	1.50
	MCA [A]	2.92	3.17	3.42
	MFA [A]	15.00	15.00	15.00
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	(350.00 x 1)	(350.00 x 1)	(350.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(35.00 x 1) / (29.00 x 1) / (22.00 x 1)	(38.00 x 1) / (32.00 x 1) / (25.00 x 1)	(42.00 x 1) / (34.00 x 1) / (25.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(583.00 x 1) / (483.00 x 1) / (367.00 x 1)	(633.00 x 1) / (533.00 x 1) / (417.00 x 1)	(700.00 x 1) / (567.00 x 1) / (417.00 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	3.00 / 6.20 / 20.00	3.00 / 6.20 / 20.00	3.00 / 6.20 / 20.00
	External Static Pressure (Min / Std / Max) [Pa]	0.00 / 60.80 / 196.20	0.00 / 60.80 / 196.20	0.00 / 60.80 / 196.20
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"	5/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	38 / 35 / 32	39 / 36 / 33	40 / 37 / 34
	Sound Power [dB(A)]	46	47	49
External Dimension (Outdoor Unit)	Net Weight [kg]	38.5	38.5	38.5
	Net Dimensions (WxHxD) [mm]	1,300 x 300 x 700	1,300 x 300 x 700	1,300 x 300 x 700
Air Filter	Type	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ MWR-WE13NDZ | MWR-SH10NDZ | MWR-SH00NDZ | MR-EH00DZ AR-EH03EDZ | MRK-A10NDZ

Drain Pump (Optional)

MDP-G075SPDZ (External Type) | MDP-G075SQDZ (Internal Type)

DVM S
SPECIFICATION

BIG DUCT

Model Code		AM180JNHFKH	AM224JNHFKH
Features	Type	Big Duct	Big Duct
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*1 [kW]	18.00	22.40
	Cooling*1 [Btu/hr]	61,400	76,400
	Cooling*2 [kW]	18.55	23.09
	Cooling*2 [Btu/hr]	63,300	78,800
	Heating [kW]	20.00	25.00
	Heating [Btu/hr]	68,200	85,300
Power Input (Nominal)	Cooling [kW]	340.00	530.00
	Heating [kW]	340.00	530.00
Current Input (Nominal)	Cooling [A]	1.90	2.90
	Heating [A]	1.90	2.90
Fan	Type	Sirocco Fan	Sirocco Fan
	Output x n [W]	(630.00 x 1)	(630.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(58.00 x 1) / (50.00 x 1) / (43.00 x 1)	(72.00 x 1) / (61.00 x 1) / (50.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(966.67 x 1) / (833.33 x 1) / (716.67 x 1)	(1,200.00 x 1) / (1,016.67 x 1) / (833.33 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	5.00 / 7.34 / 20.00	5.00 / 7.34 / 20.00
	External Static Pressure (Min / Std / Max) [Pa]	49.00 / 71.93 / 196.00	49.00 / 71.93 / 196.00
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"
	Gas Pipe [Ø, mm]	19.05	19.05
	Gas Pipe [Ø, inch]	3/4"	3/4"
	Drain Pipe [Ø, mm]	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	43 / 39 / 35	44 / 40 / 36
	Sound Power [dB(A)]	80	81
External Dimension (Outdoor Unit)	Net Weight [kg]	82.5	82.5
	Net Dimensions (WxHxD) [mm]	1,350 x 450 x 910	1,350 x 450 x 910
Air Filter	Type	-	-

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)


MWR-WE11NDZ
MWR-WE13NDZ


MWR-SH10NDZ


MWR-SH00NDZ


MR-EH00DZ
AR-EH03EDZ


AR-MRK-A10NDZ

Drain Pump (Optional)


MDP-G075SPDZ
(External Type)


MDP-G075SQDZ
(Internal Type)

MEMO

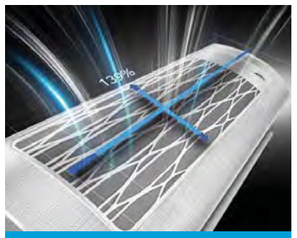
WALL MOUNTED
AR5000 SERIES

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.



39%* wider air inlet

Silver Coated Filter

22%* bigger fan blower

More Air Flow

54%* wider air outlet

More Air Out

*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.*

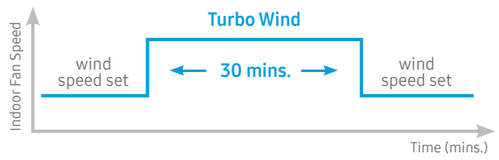
Samsung

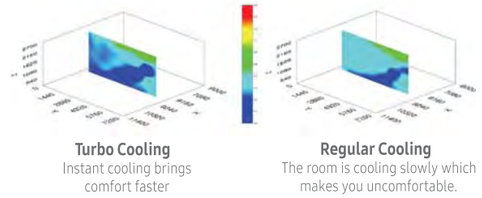
Conventional

WALL MOUNTED
BORACAY

Turbo Cooling Mode

Samsung's air conditioner operates in its maximum speed in Turbo Cooling mode to quickly reach the set temperature. Instantly cool down your space with Samsung's Turbo Cooling technology.





Turbo Cooling
Instant cooling brings comfort faster

Regular Cooling
The room is cooling slowly which makes you uncomfortable.

Full HD 80 Filter

Full HD 80 Filter enhances its dust removing possibilities with thinner filaments. This ultra thin filament removes up to 80% of microscopic dust particles in the air, thus creating a perfectly filtrated air environment.

Good sleep

The quality of sleep you get directly impacts your physical and mental health. Concerned with your health, Samsung performed extensive experiments to determine the ideal temperatures needed to quickly fall asleep.

DVM S
SPECIFICATION

WALL MOUNTED (AR5000)

Model Code		AM022JNVDKH	AM028JNVDKH	AM036JNVDKH
Features	Type	Wall Mounted (AR5000)	Wall Mounted (AR5000)	Wall Mounted (AR5000)
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*1 [kW]	2.20	2.80	3.60
	Cooling*1 [Btu/hr]	7,500	9,600	12,300
	Cooling*2 [kW]	2.26	2.84	3.66
	Cooling*2 [Btu/hr]	7,700	9,700	12,500
	Heating [kW]	2.50	3.20	4.00
	Heating [Btu/hr]	8,500	10,900	13,600
Power Input (Nominal)	Cooling [kW]	15.00	16.00	20.00
	Heating [kW]	18.00	24.00	28.00
Current Input (Nominal)	Cooling [A]	0.13	0.13	0.15
	Heating [A]	0.15	0.19	0.20
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Output x n [W]	(27.00 x 1)	(27.00 x 1)	(27.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(5.40 x 1)/ (4.70 x 1) / (4.00 x 1)	(5.70 x 1) / (5.00 x 1) / (4.30 x 1)	(7.10 x 1) / (5.70 x 1) / (4.60 x 1)
	Air Flow Rate (H / M / L) [l/s]	(90.00 x 1) / (78.33 x 1) / (66.67 x 1)	(95.00 x 1) / (83.33 x 1) / (71.67 x 1)	(118.33 x 1) / (95.00 x 1) / (76.67 x 1)
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure (H / M / L) [dB(A)]	33 / 29 / 25	36 / 31 / 25	37 / 34 / 30
	Sound Power [dB(A)]	50	53	54
External Dimension (Outdoor Unit)	Net Weight [kg]	7.9	8.0	9.6
	Net Dimensions (WxHxD) [mm]	750 x 249 x 246	750 x 249 x 246	826 x 261 x 261
Accessories	Virus Doctor	Included	Included	Included

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)



MWR-WE11NDZ MWR-SH10NDZ MWR-SH00NDZ
MWR-WE13NDZ

Wireless Remote Controller (Default)

MR-EH00DZ
AR-EH03EDZ

DVM S
SPECIFICATION

WALL MOUNTED (AR5000)

Model Code		AM045JNVDKH	AM056JNVDKH
Features	Type	Wall Mounted (AR5000)	Wall Mounted (AR5000)
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*1 [kW]	4.50	5.60
	Cooling*1 [Btu/hr]	15,400	19,100
	Cooling*2 [kW]	4.60	5.72
	Cooling*2 [Btu/hr]	15,700	19,500
	Heating [kW]	5.00	6.30
	Heating [Btu/hr]	17,100	21,500
Power Input (Nominal)	Cooling [kW]	31.00	27.00
	Heating [kW]	41.00	37.00
Current Input (Nominal)	Cooling [A]	0.24	0.21
	Heating [A]	0.31	0.29
Fan	Type	Crossflow Fan	Crossflow Fan
	Output x n [W]	(27.00 x 1)	(27.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(8.90 x 1) / (7.50 x 1) / (6.00 x 1)	(11.80 x 1) / (10.00 x 1) / (8.20 x 1)
	Air Flow Rate (H / M / L) [l/s]	(148.33 x 1) / (125.00 x 1) / (100.00 x 1)	(196.67 x 1) / (166.6 x 1) / (136.67 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35
	Liquid Pipe [Ø, inch]	1/4"	1/4"
	Gas Pipe [Ø, mm]	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A
	Control Method	EEV Included	EEV Included
Sound	Sound Pressure (H / M / L) [dB(A)]	41 / 38 / 34	39 / 36 / 33
	Sound Power [dB(A)]	57	57
External Dimension (Outdoor Unit)	Net Weight [kg]	9.6	14.5
	Net Dimensions (WxHxD) [mm]	826 x 261 x 261	1,065 x 301 x 294
Accessories	Virus Doctor	Included	Included

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)



MWR-WE11NDZ MWR-SH10NDZ MWR-SH00NDZ
MWR-WE13NDZ

Wireless Remote Controller (Default)

MR-EH00DZ
AR-EH03EDZ

DVM S
SPECIFICATION

WALL MOUNTED (AR5000)

Model Code		AM071JNVDKH	AM082JNVDKH
Features	Type	Wall Mounted (AR5000)	Wall Mounted (AR5000)
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*1 [kW]	7.10	8.20
	Cooling*1 [Btu/hr]	24,200	28,000
	Cooling*2 [kW]	7.24	8.35
	Cooling*2 [Btu/hr]	24,700	28,500
	Heating [kW]	8.00	8.50
	Heating [Btu/hr]	27,300	29,000
Power Input (Nominal)	Cooling [kW]	41.00	55.00
	Heating [kW]	53.00	72.00
Current Input (Nominal)	Cooling [A]	0.31	0.42
	Heating [A]	0.41	0.55
Fan	Type	Crossflow Fan	Crossflow Fan
	Output x n [W]	(27.00 x 1)	(27.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(14.80 x 1) / (12.40 x 1) / (10.00 x 1)	(16.70 x 1) / (14.30 x 1) / (12.40 x 1)
	Air Flow Rate (H / M / L) [l/s]	(246.67 x 1) / (206.67 x 1) / (166.67 x 1)	(278.33 x 1) / (238.33 x 1) / (206.67 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A
	Control Method	EEV Included	EEV Included
Sound	Sound Pressure (H / M / L) [dB(A)]	44 / 41 / 36	47 / 43 / 40
	Sound Power [dB(A)]	61	65
External Dimenion (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

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

MWR-SH10NDZ

MWR-SH00NDZ

Wireless Remote Controller (Default)

MR-EH00DZ
AR-EH03EDZ

DVM S
SPECIFICATION

WALL MOUNTED (AR5000)

Model Code		AM022JNADKH	AM028JNADKH	AM036JNADKH
Features	Type	Wall Mounted (AR5000)	Wall Mounted (AR5000)	Wall Mounted (AR5000)
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*1 [kW]	2.20	2.80	3.60
	Cooling*1 [Btu/hr]	7,500	9,600	12,300
	Cooling*2 [kW]	2.26	2.84	3.66
	Cooling*2 [Btu/hr]	7,700	9,700	12,500
	Heating [kW]	2.50	3.20	4.00
	Heating [Btu/hr]	8,500	10,900	13,600
Power Input (Nominal)	Cooling [kW]	15.00	16.00	20.00
	Heating [kW]	18.00	24.00	28.00
Current Input (Nominal)	Cooling [A]	0.13	0.13	0.15
	Heating [A]	0.15	0.19	0.20
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Output x n [W]	(27.00 x 1)	(27.00 x 1)	(27.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(5.40 x 1) / (4.70 x 1) / (4.00 x 1)	(5.70 x 1) / (5.00 x 1) / (4.30 x 1)	(7.10 x 1) / (5.70 x 1) / (4.60 x 1)
	Air Flow Rate (H / M / L) [l/s]	(90.00 x 1) / (78.33 x 1) / (66.67 x 1)	(95.00 x 1) / (83.33 x 1) / (71.67 x 1)	(118.33 x 1) / (95.00 x 1) / (76.67 x 1)
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV not Included	EEV not Included	EEV not Included
Sound	Sound Pressure (H / M / L) [dB(A)]	33 / 28 / 23	35 / 30 / 25	36 / 32 / 29
	Sound Power [dB(A)]	50	53	54
External Dimension (Outdoor Unit)	Net Weight [kg]	7.7	7.8	9.4
	Net Dimensions (WxHxD) [mm]	750 x 249 x 246	750 x 249 x 246	826 x 261 x 261
Accessories	Virus Doctor	Included	Included	Included

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

MWR-SH10NDZ

MWR-SH00NDZ

MEV-E24SADZ (2.2~3.6kW)
MEV-E32SADZ (5.6~8.2kW)

Wireless Remote Controller (Default)

MR-EH00DZ
AR-EH03EDZ

DVM S
SPECIFICATION

WALL MOUNTED (AR5000)

Model Code		AM045JNADKH	AM056JNADKH
Features	Type	Wall Mounted (AR5000)	Wall Mounted (AR5000)
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*1 [kW]	4.50	5.60
	Cooling*1 [Btu/hr]	15,400	19,100
	Cooling*2 [kW]	4.60	5.72
	Cooling*2 [Btu/hr]	15,700	19,500
	Heating [kW]	5.00	6.30
	Heating [Btu/hr]	17,100	21,500
Power Input (Nominal)	Cooling [kW]	31.00	27.00
	Heating [kW]	41.00	37.00
Current Input (Nominal)	Cooling [A]	0.24	0.21
	Heating [A]	0.31	0.29
Fan	Type	Crossflow Fan	Crossflow Fan
	Output x n [W]	(27.00 x 1)	(27.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(8.90 x 1) / (7.50 x 1) / (6.00 x 1)	(11.80 x 1) / (10.00 x 1) / (8.20 x 1)
	Air Flow Rate (H / M / L) [l/s]	(148.33 x 1) / (125.00 x 1) / (100.00 x 1)	(196.67 x 1) / (166.67 x 1) / (136.67 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35
	Liquid Pipe [Ø, inch]	1/4"	1/4"
	Gas Pipe [Ø, mm]	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A
	Control Method	EEV not Included	EEV not Included
Sound	Sound Pressure (H / M / L) [dB(A)]	40 / 37 / 33	39 / 35 / 32
	Sound Power [dB(A)]	57	57
External Dimension (Outdoor Unit)	Net Weight [kg]	9.4	14.2
	Net Dimensions (WxHxD) [mm]	826 x 261 x 261	1,065 x 301 x 294
Accessories	Virus Doctor	Included	Included

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

MWR-SH10NDZ

MWR-SH00NDZ

MEV-E24SADZ (2.2~3.6kW)
MEV-E32SADZ (5.6~8.2kW)

Wireless Remote Controller (Default)

MR-EH00DZ
AR-EH03EDZ

DVM S
SPECIFICATION

WALL MOUNTED (AR5000)

Model Code		AM071JNADKH	AM082JNADKH
Features	Type	Wall Mounted (AR5000)	Wall Mounted (AR5000)
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*1 [kW]	7.10	8.20
	Cooling*1 [Btu/hr]	24,200	28,000
	Cooling*2 [kW]	7.24	8.35
	Cooling*2 [Btu/hr]	24,700	28,500
	Heating [kW]	8.00	8.50
	Heating [Btu/hr]	27,300	29,000
Power Input (Nominal)	Cooling [kW]	41.00	55.00
	Heating [kW]	53.00	72.00
Current Input (Nominal)	Cooling [A]	0.31	0.42
	Heating [A]	0.41	0.55
Fan	Type	Crossflow Fan	Crossflow Fan
	Output x n [W]	(27.00 x 1)	(27.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(14.80 x 1) / (12.40 x 1) / (10.00 x 1)	(16.70 x 1) / (14.30 x 1) / (12.40 x 1)
	Air Flow Rate (H / M / L) [l/s]	(246.67 x 1) / (206.67 x 1) / (166.67 x 1)	(278.33 x 1) / (238.33 x 1) / (206.67 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A
	Control Method	EEV not Included	EEV not Included
Sound	Sound Pressure (H / M / L) [dB(A)]	44 / 40 / 36	47 / 42 / 40
	Sound Power [dB(A)]	61	65
External Dimension (Outdoor Unit)	Net Weight [kg]	14.2	14.2
	Net Dimensions (WxHxD) [mm]	1,065 x 301 x 294	1,065 x 301 x 294
Accessories	Virus Doctor	Included	Included

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

MWR-SH10NDZ

MWR-SH00NDZ

MEV-E24SADZ (2.2~3.6kW)
MEV-E32SADZ (5.6~8.2kW)

Wireless Remote Controller (Default)

MR-EH00DZ
AR-EH03EDZ

DVM S
SPECIFICATION

WALL MOUNTED (BORACAY)

Model Code		AM022KNQDEH	AM028KNQDEH	AM036KNQDEH
Features	Type	Wall Mounted (Boracay)	Wall Mounted (Boracay)	Wall Mounted (Boracay)
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	HP
Capacity	Cooling*1 [kW]	2.20	2.80	3.60
	Cooling*1 [Btu/hr]	7,500	9,600	12,300
	Cooling*2 [kW]	2.26	2.84	3.66
	Cooling*2 [Btu/hr]	7,700	9,700	12,500
	Heating [kW]	2.50	3.20	4.00
	Heating [Btu/hr]	8,500	10,900	13,600
Power Input (Nominal)	Cooling [kW]	32.00	38.00	42.00
	Heating [kW]	35.00	39.00	42.00
Current Input (Nominal)	Cooling [A]	0.20	0.22	0.23
	Heating [A]	0.20	0.22	0.23
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Output x n [W]	(19.00 x 1)	(19.00 x 1)	(19.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(6.60 x 1) / (5.70 x 1) / (5.10 x 1)	(7.00 x 1) / (6.20 x 1) / (5.50 x 1)	(8.50 x 1) / (7.50 x 1) / (6.60 x 1)
	Air Flow Rate (H / M / L) [l/s]	(110.00 x 1) / (95.00 x 1) / (85.00 x 1)	(116.70 x 1) / (103.30 x 1) / (91.70 x 1)	(141.70 x 1) / (125.00 x 1) / (110.00 x 1)
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure (H / M / L) [dB(A)]	31 / 28 / 25	31 / 29 / 26	36 / 33 / 29
	Sound Power [dB(A)]	48	48	51
External Dimension (Outdoor Unit)	Net Weight [kg]	8.5	9.0	9.0
	Net Dimensions (WxHxD) [mm]	820 x 285 x 277	820 x 285 x 277	820 x 285 x 277

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)



MWR-WE11NDZ MWR-SH10NDZ MWR-SH00NDZ
MWR-WE13NDZ

Wireless Remote Controller

MR-EH00DZ
AR-EH03EDZ

DVM S
SPECIFICATION

WALL MOUNTED (BORACAY)

Model Code		AM045KNQDEH	AM056KNQDEH	AM071KNQDEH
Features	Type	Wall Mounted (Boracay)	Wall Mounted (Boracay)	Wall Mounted (Boracay)
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	HP
Capacity	Cooling*1 [kW]	4.50	5.60	6.80
	Cooling*1 [Btu/hr]	15,400	19,100	23,200
	Cooling*2 [kW]	4.60	5.72	7.24
	Cooling*2 [Btu/hr]	15,700	19,500	24,700
	Heating [kW]	5.00	6.30	7.00
	Heating [Btu/hr]	17,100	21,500	23,900
Power Input (Nominal)	Cooling [kW]	47.00	48.00	51.00
	Heating [kW]	47.00	48.00	53.00
Current Input (Nominal)	Cooling [A]	0.27	0.27	0.28
	Heating [A]	0.27	0.27	0.28
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Output x n [W]	(28.00 x 1)	(28.00 x 1)	(28.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(13.90 x 1) / (12.40 x 1) / (11.20 x 1)	(14.40 x 1) / (12.90 x 1) / (11.20 x 1)	(15.70 x 1) / (14.10 x 1) / (12.90 x 1)
	Air Flow Rate (H / M / L) [l/s]	(231.70 x 1) / (206.70 x 1) / (186.70 x 1)	(240.00 x 1) / (215.00 x 1) / (186.70 x 1)	(261.70 x 1) / (235.00 x 1) / (215.00 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Liquid Pipe [Ø, inch]	1/4"	1/4"	3/8"
	Gas Pipe [Ø, mm]	12.70	12.70	15.88
	Gas Pipe [Ø, inch]	1/2"	1/2"	5/8"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure (H / M / L) [dB(A)]	38 / 35 / 33	39 / 36 / 33	40 / 38 / 35
	Sound Power [dB(A)]	53	53	55
External Dimension (Outdoor Unit)	Net Weight [kg]	12.5	12.5	12.5
	Net Dimensions (WxHxD) [mm]	1,065 x 298 x 243	1,065 x 298 x 243	1,065 x 298 x 243

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)



MWR-WE11NDZ MWR-SH10NDZ MWR-SH00NDZ
MWR-WE13NDZ

Wireless Remote Controller

MR-EH00DZ
AR-EH03EDZ

DVM S
SPECIFICATION

WALL MOUNTED (BORACAY)

Model Code		AM022KNTDEH	AM028KNTDEH	AM036KNTDEH
Features	Type	Wall Mounted (Boracay)	Wall Mounted (Boracay)	Wall Mounted (Boracay)
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	HP
Capacity	Cooling*1 [kW]	2.20	2.80	3.60
	Cooling*1 [Btu/hr]	7,500	9,600	12,300
	Cooling*2 [kW]	2.26	2.84	3.66
	Cooling*2 [Btu/hr]	7,700	9,700	12,500
	Heating [kW]	2.50	3.20	4.00
	Heating [Btu/hr]	8,500	10,900	13,600
Power Input (Nominal)	Cooling [kW]	32.00	38.00	42.00
	Heating [kW]	35.00	39.00	42.00
Current Input (Nominal)	Cooling [A]	0.20	0.22	0.23
	Heating [A]	0.20	0.22	0.23
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Output x n [W]	(19.00 x 1)	(19.00 x 1)	(19.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(6.60 x 1) / (5.70 x 1) / (5.10 x 1)	(7.00 x 1) / (6.20 x 1) / (5.50 x 1)	(8.50 x 1) / (7.50 x 1) / (6.60 x 1)
	Air Flow Rate (H / M / L) [l/s]	(110.00 x 1) / (95.00 x 1) / (85.00 x 1)	(116.70 x 1) / (103.30 x 1) / (91.70 x 1)	(141.70 x 1) / (125.00 x 1) / (110.00 x 1)
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV not Included	EEV not Included	EEV not Included
Sound	Sound Pressure (H / M / L) [dB(A)]	31 / 28 / 25	31 / 29 / 26	36 / 33 / 29
	Sound Power [dB(A)]	48	48	51
External Dimension (Outdoor Unit)	Net Weight [kg]	8.0	8.5	8.5
	Net Dimensions (WxHxD) [mm]	820 x 285 x 277	820 x 285 x 277	820 x 285 x 277

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)



MWR-WE11NDZ MWR-SH10NDZ MWR-SH00NDZ
MWR-WE13NDZ

MEV-E24SADZ (2.2~3.6kW)
MEV-E32SADZ (5.6~8.2kW)

Wireless Remote Controller (Default)

MR-EH00DZ
AR-EH03EDZ

DVM S
SPECIFICATION

WALL MOUNTED (BORACAY)

Model Code		AM045KNTDEH	AM056KNTDEH	AM071KNTDEH
Features	Type	Wall Mounted (Boracay)	Wall Mounted (Boracay)	Wall Mounted (Boracay)
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	HP
Capacity	Cooling*1 [kW]	4.50	5.60	6.80
	Cooling*1 [Btu/hr]	15,400	19,100	23,200
	Cooling*2 [kW]	4.60	5.72	7.24
	Cooling*2 [Btu/hr]	15,700	19,500	24,700
	Heating [kW]	5.00	6.30	7.00
	Heating [Btu/hr]	17,100	21,500	23,900
Power Input (Nominal)	Cooling [kW]	47.00	48.00	51.00
	Heating [kW]	47.00	48.00	53.00
Current Input (Nominal)	Cooling [A]	0.27	0.27	0.28
	Heating [A]	0.27	0.27	0.28
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Output x n [W]	(28.00 x 1)	(28.00 x 1)	(28.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(13.90 x 1) / (12.40 x 1) / (11.20 x 1)	(14.40 x 1) / (12.90 x 1) / (11.20 x 1)	(15.70 x 1) / (14.10 x 1) / (12.90 x 1)
	Air Flow Rate (H / M / L) [l/s]	(231.70 x 1) / (206.70 x 1) / (186.70 x 1)	(240.00 x 1) / (215.00 x 1) / (186.70 x 1)	(261.70 x 1) / (235.00 x 1) / (215.00 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Liquid Pipe [Ø, inch]	1/4"	1/4"	3/8"
	Gas Pipe [Ø, mm]	12.70	12.70	15.88
	Gas Pipe [Ø, inch]	1/2"	1/2"	5/8"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV not Included	EEV not Included	EEV not Included
Sound	Sound Pressure (H / M / L) [dB(A)]	38 / 35 / 33	39 / 36 / 33	40 / 38 / 35
	Sound Power [dB(A)]	53	53	55
External Dimension (Outdoor Unit)	Net Weight [kg]	12.0	12.0	12.0
	Net Dimensions (WxHxD) [mm]	1,065 x 298 x 243	1,065 x 298 x 243	1,065 x 298 x 243

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)



MWR-WE11NDZ MWR-SH10NDZ MWR-SH00NDZ
MWR-WE13NDZ

MEV-E24SADZ (2.2~3.6kW)
MEV-E32SADZ (5.6~8.2kW)

Wireless Remote Controller (Default)

MR-EH00DZ
AR-EH03EDZ

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

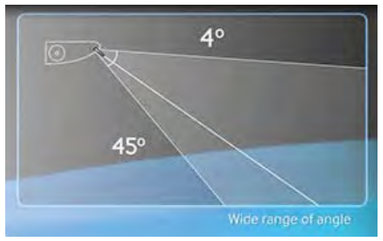
Depending on the available space and the purpose of the air conditioner, the indoor unit can be installed under the ceiling or on the floor.

*Only Model 5.6kW and 7.1kW.

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 40º to 45º, 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

DVM S
SPECIFICATION

CEILING

Model Code		AM056FNCDEH	AM071FNCDEH	AM112JNCDKH	AM140JNCDKH
Features	Type	Ceiling	Ceiling	Big Ceiling	Big Ceiling
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*1 [kW]	5.60	7.10	11.20	14.00
	Cooling*1 [Btu/hr]	19,100	24,200	38,200	47,800
	Cooling*2 [kW]	5.71	7.24	11.40	14.27
	Cooling*2 [Btu/hr]	19,500	24,700	38,900	48,700
	Heating [kW]	6.30	8.00	12.50	16.00
	Heating [Btu/hr]	21,500	27,300	42,700	54,600
Power Input (Nominal)	Cooling [kW]	72.00	80.00	92.00	160.00
	Heating [kW]	72.00	77.00	80.00	160.00
Current Input (Nominal)	Cooling [A]	0.33	0.35	0.94	1.45
	Heating [A]	0.28	0.29	0.83	1.45
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	(60.00 x 1)	(120.00 x 1)	(260.00 x 1)	(355.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(14.00 x 1) / (13.00 x 1) / (12.00 x 1)	(18.00 x 1) / (16.50 x 1) / (15.00 x 1)	(29.30 x 1) / (23.90 x 1) / (18.50 x 1)	(36.40 x 1) / (30.80 x 1) / (26.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(233.33 x 1) / (216.67 x 1) / (200.00 x 1)	(300.00 x 1) / (275.00 x 1) / (250.00 x 1)	(488.33 x 1) / (398.33 x 1) / (308.33 x 1)	(606.67 x 1) / (513.33 x 1) / (433.33 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	1/4"	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	12.70	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	1/2"	5/8"	5/8"	5/8"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	VP25 (OD 25, ID 20)	VP25 (OD 25, ID 20)
Refrigerant	Type	R410A	R410A	R410A	R410A
	Control Method	EEV not Included	EEV not Included	EEV Included	EEV Included
Sound	Sound Pressure (H / M / L) [dB(A)]	40 / 37 / 34	44 / 42 / 40	45 / 41 / 37	46 / 43 / 38
	Sound Power [dB(A)]	-	-	-	-
External Dimension (Outdoor Unit)	Net Weight [kg]	21.0	21.0	33.5	42.5
	Net Dimensions (WxHxD) [mm]	1,000 x 650 x 200	1,000 x 650 x 200	1,350 x 235 x 675	1,650 x 235 x 675

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

MWR-SH10NDZ

MWR-SH00NDZ

MEV-E32SADZ (5.6~8.2kW)

Wireless Remote Controller (Default)

MR-EH00DZ
AR-EH03EDZ

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.

CONSOLE

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.

DVM S
SPECIFICATION

CONSOLE

Model Code		AM028FNJDEH	AM036FNJDEH	AM056FNJDEH
Features	Type	Console	Console	Console
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*1 [kW]	2.80	3.60	5.60
	Cooling*1 [Btu/hr]	9,600	12,300	19,100
	Cooling*2 [kW]	2.84	3.66	#N/A
	Cooling*2 [Btu/hr]	9,700	12,500	#N/A
	Heating [kW]	3.20	4.00	6.30
	Heating [Btu/hr]	10,900	13,600	21,500
Power Input (Nominal)	Cooling [kW]	30.00	35.00	62.00
	Heating [kW]	30.00	35.00	62.00
Current Input (Nominal)	Cooling [A]	0.25	0.29	0.49
	Heating [A]	0.25	0.29	0.49
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	(37.00 x 1)	(37.00 x 1)	(37.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(7.00 x 1) / (6.00 x 1) / (5.00 x 1)	(8.50 x 1) / (7.50 x 1) / (6.50 x 1)	(13.00 x 1) / (11.50 x 1) / (10.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(116.67 x 1) / (100.00 x 1) / (83.33 x 1)	(141.67 x 1) / (125.00 x 1) / (108.33 x 1)	(216.67 x 1) / (191.67 x 1) / (166.67 x 1)
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]	12.70	12.70	12.70
	Gas Pipe [Ø, inch]	1/2"	1/2"	1/2"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure (H / M / L) [dB(A)]	38 / 36 / 34	39 / 37 / 34	43 / 40 / 37
	Sound Power [dB(A)]	-	-	-
External Dimension (Outdoor Unit)	Net Weight [kg]	16.0	16.0	16.0
	Net Dimensions (WxHxD) [mm]	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199
Air Filter	Type	Long life filter	Long life filter	Long life filter

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

MWR-SH10NDZ

MWR-SH00NDZ

Wireless Remote Controller (Default)

MR-EH00DZ
AR-EH03EDZ

MEMO

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.

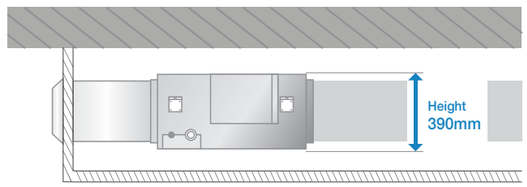
Air conditioning indoor units and an Outdoor Air Processing Ceiling Ducted unit can be connected to the same refrigerant line, resulting in enhanced design flexibility and a reduction in total system costs. A BLDC motor extends the saving with lower energy consumption.

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

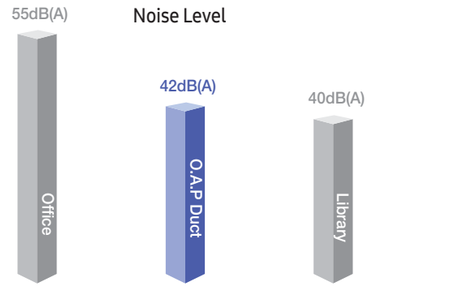
This light and compact unit, with its short height of 390mm, enables you to conveniently install and manage it in a variety of areas and installation options.



OAP CEILING DUCTED

Quiet Operation

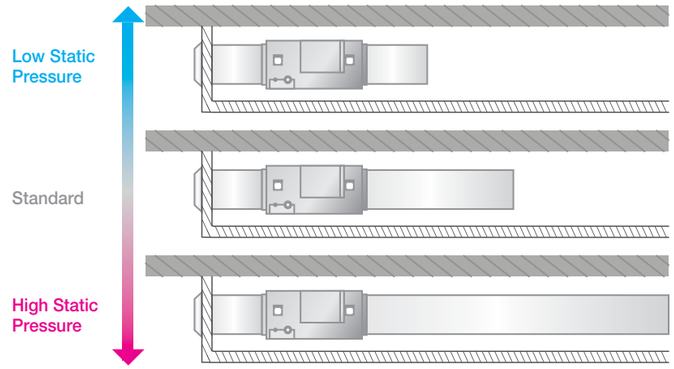
Equipped with the highly efficient BLDC motor, Outdoor Air Processing Ceiling Ducted operates quietly with a sound level as low as 42dB, slightly higher than that of a library, while provide your environment with optimum cooling comfort.



* Comparison is based on 5HP 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.

DVM S
SPECIFICATION

OAP

Model Code		AM140MNEPEH	AM220MNEPEH	AM280MNEPEH
Features	Type	OAP	OAP	OAP
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	HP
Capacity	Cooling [kW]	14.00	22.40	28.00
	Cooling [Btu/hr]	47,800	76,400	95,500
	Heating [kW]	8.90	13.90	17.40
	Heating [Btu/hr]	30,400	47,400	59,400
Power Input (Nominal)	Cooling [kW]	300.00	450.00	600.00
	Heating [kW]	300.00	450.00	600.00
Current Input (Nominal)	Cooling [A]	2.20	3.50	4.60
	Heating [A]	2.20	3.50	4.60
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	(183.00 x 1)	(630.00 x 1)	(630.00 x 1)
	Air Flow Rate (H / M / L) [CMM]	(18.00 x 1)	(28.00 x 1)	(35.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(300.00 x 1)	(466.67 x 1)	(583.33 x 1)
	External Static Pressure (Min / Std / Max) [mmAq]	15.30 / 20.40 / 25.50	18.40 / 23.40 / 29.60	20.40 / 25.50 / 30.60
	External Static Pressure (Min / Std / Max) [Pa]	150.00 / 200.00 / 250.00	180.00 / 230.00 / 290.00	200.00 / 250.00 / 300.00
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	19.05	22.22
	Gas Pipe [Ø, inch]	5/8"	3/4"	7/8"
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (H / M / L) [dB(A)]	42	46	47
	Sound Power [dB(A)]	65	66	69
External Dimension (Outdoor Unit)	Net Weight [kg]	49.0	81.5	81.5
	Net Dimensions (WxHxD) [mm]	1,210 x 370 x 656	1,360 x 460 x 910	1,360 x 460 x 910
Air Filter	Type	Removable / Washable	Removable / Washable	Removable / Washable

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling capacities are based on; - Indoor temperature : 35°C DB, 28°C WB - Outdoor temperature : 35°C DB, 28°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 0°C DB, -3°C WB - Outdoor temperature : 0°C DB, -3°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A (GWP=2,088) which is fluorinated greenhouse gas.
5) Select wire size based on the value of MCA

Individual Controllers (Optional)

MWR-WE11NDZ MWR-SH10NDZ
MWR-WE13NDZ

Drain Pump (Optional)

MDP-N047SNC0DDZ
MDP-N047SNC1DDZ

MEMO

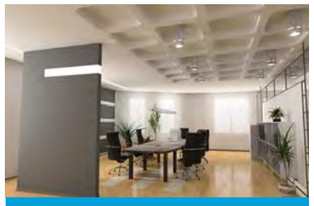
CONCEALED FLOOR STANDING

Design flexibility for unique spaces

Samsung Concealed Floor Standing unit offers the utmost in versatility in solving your cooling and heating needs. This unit effectively adjusts its performance to meet the needs of the space such as high ceiling and lots of window, while maintaining the desired temperature.

Effective Cooling System

The Concealed Floor Standing unit offers wide versatility in solving cooling space requirements for a variety of environments, such as offices, schools and hotels. Whether it is on the floor or mounted, the unit compensates for high ceilings and windows conditions while delivering consistent cooling performance.



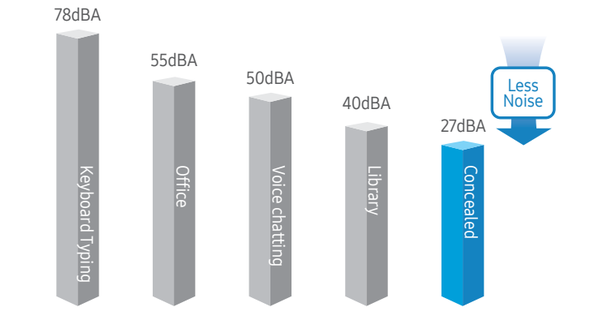
Office

School

Hotel

Silent operation

This silent yet powerful unit, operating at a mere 27dB, offers an efficient cooling and heating solution that makes spaces more comfortable and carefree than ever before.



Noise Level Comparison

DVM S
SPECIFICATION

FLOOR STANDING

Model Code		AM036FNFDEH	AM056FNFDEH	AM071FNFDEH
Features	Type	Floor Standing	Floor Standing	Floor Standing
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*1 [kW]	3.60	5.60	7.10
	Cooling*1 [Btu/hr]	12,300	19,100	24,200
	Cooling*2 [kW]	3.66	5.71	7.24
	Cooling*2 [Btu/hr]	12,500	19,500	24,700
	Heating [kW]	4.00	6.30	8.00
	Heating [Btu/hr]	13,600	21,500	27,300
Power Input (Nominal)	Cooling [kW]	50.00	110.00	110.00
	Heating [kW]	50.00	110.00	110.00
Current Input (Nominal)	Cooling [A]	0.24	0.53	0.53
	Heating [A]	0.24	0.53	0.53
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	-	-	-
	Air Flow Rate (H / M / L) [CMM]	(10.00 x 1) / (8.50 x 1) / (6.00 x 1)	(15.50 x 1) / (14.00 x 1) / (11.00 x 1)	(15.50 x 1) / (14.00 x 1) / (11.00 x 1)
	Air Flow Rate (H / M / L) [l/s]	(166.67 x 1) / (141.67 x 1) / (100.00 x 1)	(258.33 x 1) / (233.33 x 1) / (183.33 x 1)	(258.33 x 1) / (233.33 x 1) / (183.33 x 1)
Piping Connections	Liquid Pipe [Ø, mm]	6.35	9.52	9.52
	Liquid Pipe [Ø, inch]	1/4"	3/8"	3/8"
	Gas Pipe [Ø, mm]	12.70	15.88	15.88
	Gas Pipe [Ø, inch]	1/2"	5/8"	5/8"
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	ID18 Hose
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure (H / M / L) [dB(A)]	37 / 32 / 27	40 / 36 / 32	40 / 36 / 32
	Sound Power [dB(A)]	-	-	-
External Dimension (Outdoor Unit)	Net Weight [kg]	23.0	28.5	28.5
	Net Dimensions (WxHxD) [mm]	945 x 600 x 220	1,225 x 600 x 220	1,225 x 600 x 220
Air Filter	Type	Long life filter	Long life filter	Long life filter

*Specifications may be subject to change without prior notice.
Mode : HP (Heat Pump), HR (Heat Recovery)
1) Nominal cooling*1 capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
Nominal cooling*2 capacities are based on; - Indoor temperature : 27°C DB, 19.5°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

MWR-SH10NDZ

MWR-SH00NDZ

AR-MRK-A10NDZ

Wireless Remote Controller

MR-EH00DZ
AR-EH03EDZ

ERV PLUS

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

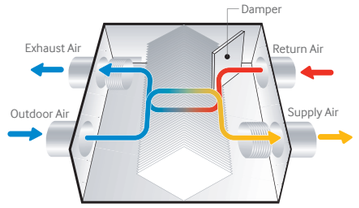
Samsung ERV and ERV Plus deliver exceptional cooling and heating all year round by employing the following heat recovery method:

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.

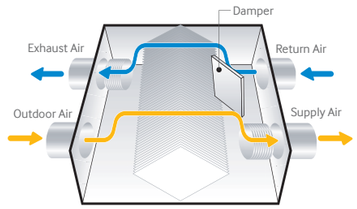
Auto Mode

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

Extreme Climates
(Winter and Summer)



Mild Climates
(Spring and Fall)

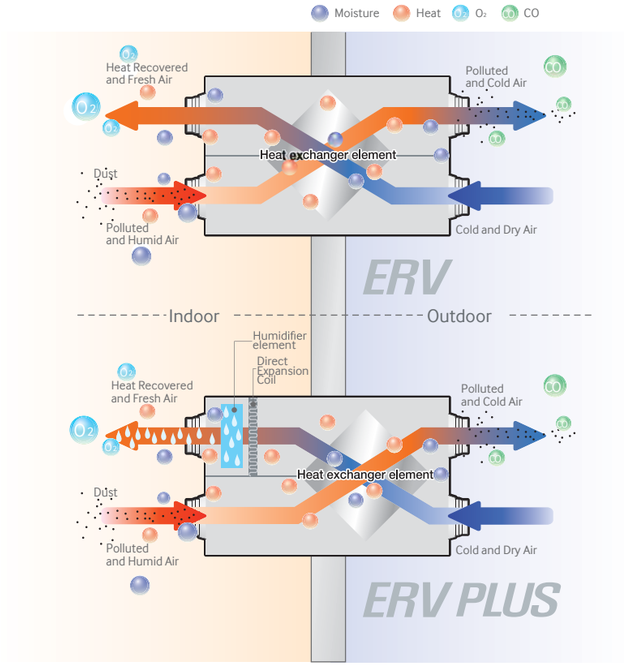


ERV PLUS

Smart CO_2 Detection

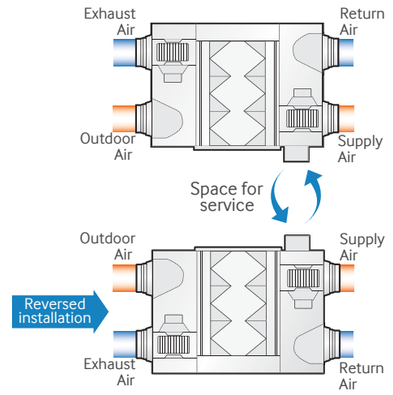
ERV provides fresh in-room airflow by detecting CO_2 with the optional CO_2 Sensor. Users can also attach a humidity stat (procured locally), which detects the moisture of the room and automatically adjusts its humidity level.

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).



DVM S
SPECIFICATION

ERV PLUS

Model Code		AM050FNKDEH
Features	Type	ERV Plus
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Temperature Exchange Efficiency (%)	Cooling [Turbo]	70.00
	Cooling [High]	70.00
	Cooling [Low]	74.00
	Heating [Turbo]	75.00
	Heating [High]	75.00
	Heating [Low]	79.00
Effective Enthalpy Exchange Efficiency (%)	Cooling [Turbo]	60.00
	Cooling [High]	60.00
	Cooling [Low]	66.00
	Heating [Turbo]	73.00
	Heating [High]	73.00
	Heating [Low]	79.00
Outside Air Processing Capacity	Cooling 1 (DX Coil / Element) [kW]	5.10 (3.60 / 1.50)
	Cooling 2 (DX Coil / Element) [kW]	6.50 (4.00 / 2.50)
Fan	Air Flow Rate (High / Mid / Low) [CMH]	(500.00 x 1) / (500.00 x 1) / (360.00 x 1)
	Air Flow Rate (High / Mid / Low) [l/s]	(138.90 x 1) / (138.90 x 1) / (100.00 x 1)
	External Static Pressure (Turbo / High / Low) [mmAq]	16.30 / 10.20 / 8.70
	External Static Pressure (Turbo / High / Low) [Pa]	160.00 / 100.00 / 85.00
	Motor Type	BLDC
	Motor Output [W]	180
	Motor Number of Unit [Ea]	2
Power Input	Turbo [W]	220.00
	High [W]	140.00
	Low [W]	90.00
Current Input	Turbo [A]	1.70
	High [A]	1.00
	Low [A]	0.60
Piping Connections	Liquid Pipe [Ø, mm]	6.35
	Liquid Pipe [Ø, inch]	1/4"
	Gas Pipe [Ø, mm]	12.70
	Gas Pipe [Ø, inch]	1/2"
	Drain Pipe [Ø, mm]	VP25 (OD32, ID25)
	Drain Pipe [Ø, inch]	VP25 (OD 1-1/4", ID 1")
	Water Supply [Ø, mm]	12.70
	Water Supply [Ø, inch]	1/2"
Refrigerant	Type	R410A
	Control Method	EEV Included
Sound	Sound Level (Turbo / High / Low) [dBA]	36 / 32 / 28
External Dimension (Outdoor Unit)	Net Weight [kg]	61.0
	Net Dimensions (WxHxD) [mm]	1,553 x 270 x 1,000
	Supply / Return / Exhaust / Outside Air Duct Flange [Ø, mm]	200
Accessory	Air Filter	High Efficiency Filter(PP)
Ambient Condition	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

*Specifications may be subject to change without prior notice.
1) Nominal cooling capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Humidifying capacity is based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
5) OA : fresh air from outdoor. RA : return air from room.
6) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

DVM S
SPECIFICATION

ERV PLUS

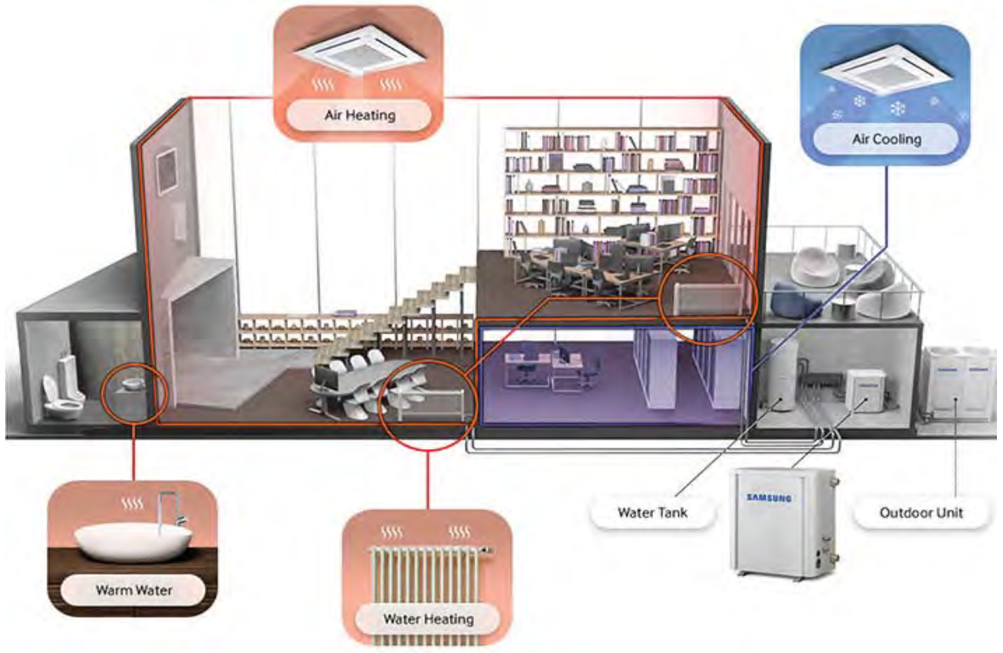
Model Code		AM100FNKDEH
Features	Type	ERV Plus
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Temperature Exchange Efficiency (%)	Cooling [Turbo]	70.00
	Cooling [High]	70.00
	Cooling [Low]	74.00
	Heating [Turbo]	75.00
	Heating [High]	75.00
	Heating [Low]	79.00
Effective Enthalpy Exchange Efficiency (%)	Cooling [Turbo]	62.00
	Cooling [High]	62.00
	Cooling [Low]	68.00
	Heating [Turbo]	75.00
	Heating [High]	75.00
	Heating [Low]	81.00
Outside Air Processing Capacity	Cooling 1 (DX Coil / Element) [kW]	10.50 (7.10 / 3.40)
	Cooling 2 (DX Coil / Element) [kW]	13.20 (8.00 / 5.20)
Fan	Air Flow Rate (High / Mid / Low) [CMH]	(1000.00 x 1) / (1000.00 x 1) / (690.00 x 1)
	Air Flow Rate (High / Mid / Low) [l/s]	(277.80 x 1) / (277.80 x 1) / (191.70 x 1)
	External Static Pressure (Turbo / High / Low) [mmAq]	15.30 / 9.20 / 7.60
	External Static Pressure (Turbo / High / Low) [Pa]	150.00 / 90.00 / 75.00
	Motor Type	BLDC
	Motor Output [W]	70
	Motor Number of Unit [Ea]	2
Power Input	Turbo [W]	510.00
	High [W]	350.00
	Low [W]	235.00
Current Input	Turbo [A]	3.70
	High [A]	2.40
	Low [A]	1.60
Piping Connections	Liquid Pipe [Ø, mm]	6.35
	Liquid Pipe [Ø, inch]	1/4"
	Gas Pipe [Ø, mm]	12.70
	Gas Pipe [Ø, inch]	1/2"
	Drain Pipe [Ø, mm]	VP25 (OD32, ID25)
	Drain Pipe [Ø, inch]	VP25 (OD 1-1/4", ID 1")
	Water Supply [Ø, mm]	12.70
	Water Supply [Ø, inch]	1/2"
Refrigerant	Type	R410A
	Control Method	EEV Included
Sound	Sound Level (Turbo / High / Low) [dBA]	36 / 33 / 31
External Dimension (Outdoor Unit)	Net Weight [kg]	90.0
	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)
Ambient Condition	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

*Specifications may be subject to change without prior notice.
1) Nominal cooling capacities are based on; - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
2) Nominal heating capacities are based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
3) Humidifying capacity is based on; - Indoor temperature : 20°C DB, 15°C WB - Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m, Level difference : 0m
4) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
5) OA : fresh air from outdoor. RA : return air from room.
6) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Fin & Tube (Fin : Al, Tube : Cu)

Individual Controllers (Optional)

MWR-WE11NDZ
MWR-WE13NDZ

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.

MEMO

HYDRO UNIT HE

Model Code		AM160FNBDEH	AM320FNBDEH	AM500FNBDEH
Features	Type	Hydro Unit HE	Hydro Unit HE	Hydro Unit HE
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	3, 4, 380-415, 50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	14.00	28.00	44.80
	Cooling [Btu/hr]	47,800	95,600	152,900
	Heating [kW]	16.00	31.50	50.40
	Heating [Btu/hr]	54,600	107,500	17,200
Power Input (Nominal)	Cooling [kW]	10.00	10.00	10.00
	Heating [kW]	10.00	10.00	10.00
Current Input (Nominal)	Cooling [A]	0.05	0.05	0.05
	Heating [A]	0.05	0.05	0.05
	MCA [A]	2.20	2.20	2.20
	MFA [A]	2.75	2.75	2.75
Heat Exchanger	Type	PHE	PHE	PHE
	Quantity [Ea]	2	2	2
	Pipe Size [Ø, inch]	PT1" (25A)	PT1" (25A)	PT1-1/4" (32A)
	Water Flow Rate [LPM]	48	92	150
	Flow Switch [LPM]	20	30	50
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	12.70
	Liquid Pipe [Ø, inch]	3/8"	3/8"	1/2"
	Gas Pipe [Ø, mm]	15.88	15.88	28.58
	Gas Pipe [Ø, inch]	5/8"	5/8"	1-1/8"
Control Method		EEV	EEV	EEV
Sound	Sound Pressure [dB(A)]	27	28	31
External Dimension (Outdoor Unit)	Net Weight [kg]	29.0	33.0	40.0
	Net Dimensions (WxHxD) [mm]	518 x 627 x 330	518 x 627 x 330	518 x 627 x 330
Operating Range	Ambient Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Ambient Heating [°C]	-20.0 ~ 35.0	-20.0 ~ 35.0	-20.0 ~ 35.0
	Ambient Hot Water (Main Cooling, HR) [°C]	-20.0 ~ 35.0 (43.0)	-20.0 ~ 35.0 (43.0)	-20.0 ~ 35.0 (43.0)
	Leaving Water Cooling [°C]	5.0 ~ 30.0	5.0 ~ 30.0	5.0 ~ 30.0
	Leaving Water Heating [°C]	20.0 ~ 50.0	20.0 ~ 50.0	20.0 ~ 50.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling capacities are based on; - Water temperature : 23°C inlet, 18°C outlet - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB
2) Nominal heating capacities are based on; - Water temperature : 30°C inlet, 35°C outlet - Indoor temperature : 20°C DB - Outdoor temperature : 7°C DB, 6°C WB
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
*Heat Exchanger type : Plate Heat Exchanger (STS)

Individual Controllers (Optional)

MWR-WW00NDZ

DVM S
SPECIFICATION

HYDRO UNIT HT

Model Code		AM160FNBFEB	AM160FNBFGB	AM250FNBFEB	AM250FNBFGB
Features	Type	Hydro Unit HT	Hydro Unit HT	Hydro Unit HT	Hydro Unit HT
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
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	-	-	-	-
	Cooling [Btu/hr]	-	-	-	-
	Heating [kW]	16.00	16.00	25.00	25.00
	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]	14.30	4.85	23.10	7.58
	MCA [A]	24.15	12.88	32.15	12.88
	MFA [A]	30.19	16.10	40.19	16.10
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 x 1)	(1,700 x 1)	(1,700 x 1)	(1,700 x 1)
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
	Liquid Pipe [Ø, inch]	3/8"	3/8"	3/8"	3/8"
	Gas Pipe [Ø, mm]	15.88	15.88	15.88	15.88
	Gas Pipe [Ø, inch]	5/8"	5/8"	5/8"	5/8"
	Drain Pipe [Ø, mm]	-	-	-	-
Refrigerant	Type	R134A	R134A	R134A	R134A
	Control Method	EEV	EEV	EEV	EEV
Sound	Sound Pressure [dB(A)]	42	42	42	42
	Sound Power [dB(A)]	-	-	-	-
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]	-20.0 ~ 35.0	-20.0 ~ 35.0	-20.0 ~ 35.0	-20.0 ~ 35.0
	Ambient Hot Water (Main Cooling, HR) [°C]	-20.0 ~ 35.0 (43.0)	-20.0 ~ 35.0 (43.0)	-20.0 ~ 35.0 (43.0)	-20.0 ~ 35.0 (43.0)
	Leaving Water Cooling [°C]	-	-	-	-
	Leaving Water Heating [°C]	25.0 ~ 80.0	25.0 ~ 80.0	25.0 ~ 80.0	25.0 ~ 80.0

*Specifications may be subject to change without prior notice.
1) Nominal cooling capacities are based on; - Water temperature : 23°C inlet, 18°C outlet - Indoor temperature : 27°C DB, 19°C WB - Outdoor temperature : 35°C DB, 24°C WB
2) Nominal heating capacities are based on; - Water temperature : 55°C inlet, 65°C outlet - Indoor temperature : 20°C DB - Outdoor temperature : 7°C DB, 6°C WB
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
4) These products contain R410A which is fluorinated greenhouse gas.
5) These products contain R134a (GWP=1,430) which is fluorinated greenhouse gas.
*Heat Exchanger type : Plate Heat Exchanger (STS)

Individual Controllers (Optional)

MWR-WW00NDZ

Samsung
system air conditioners

CONTROL SYSTEM

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

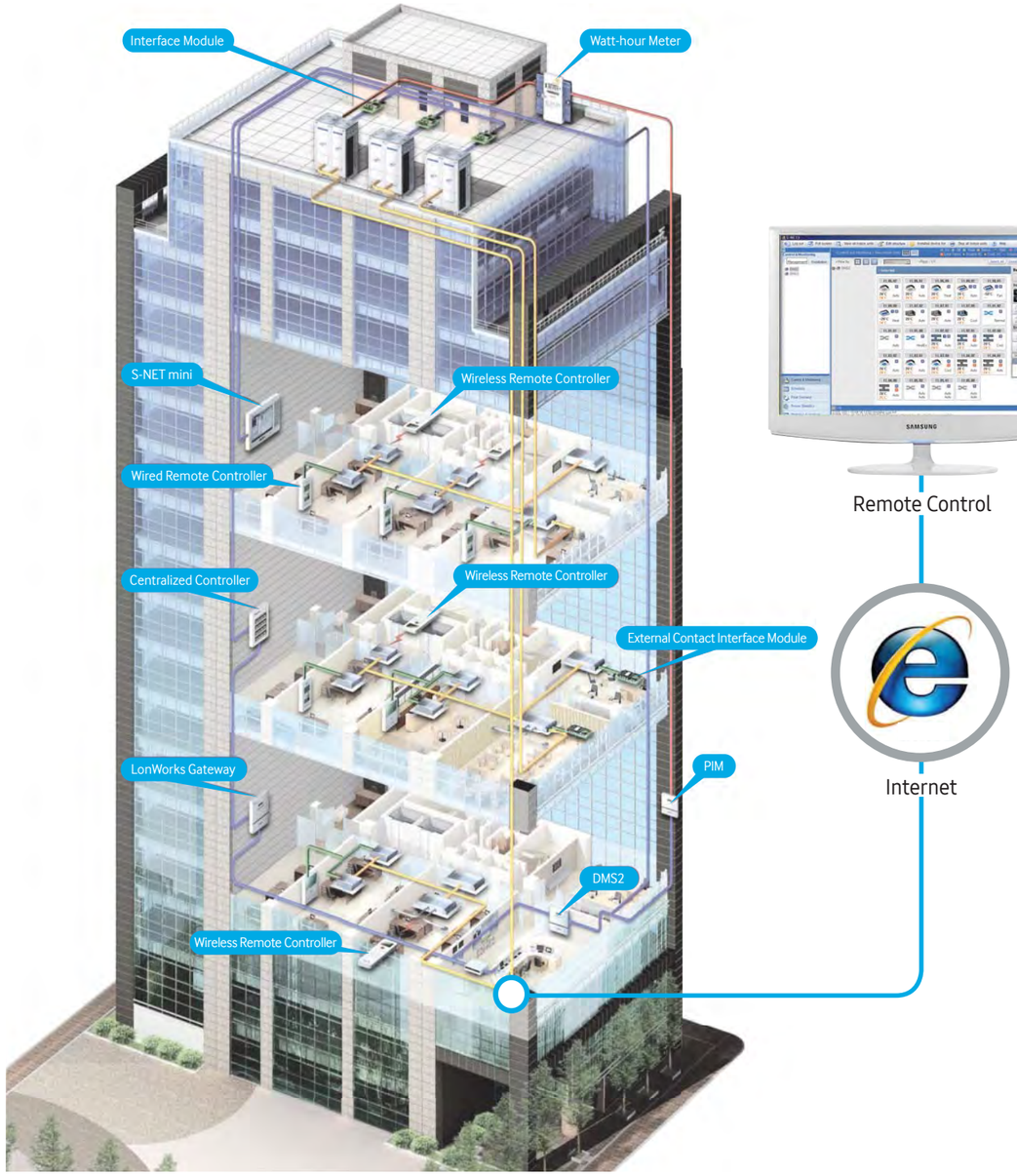
Samsung's control system offers various control options for indoor units. Users can control multiple units individually or simultaneously in groups to optimise convenience.

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.



Remote Control

Internet

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

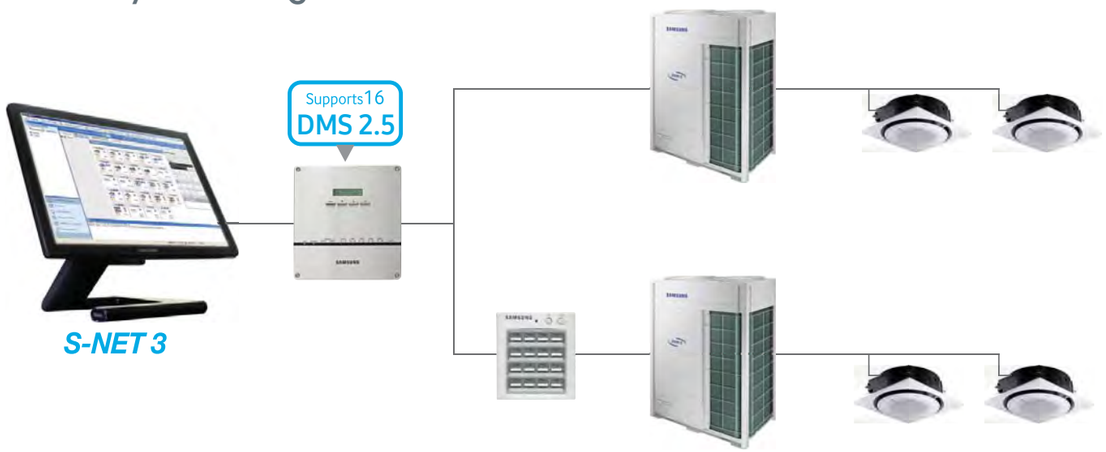
This 7" Touch Screen CRC controller is the optimised management solution for mid-size site.

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



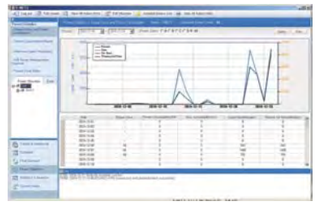
CONTROL SYSTEM

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.

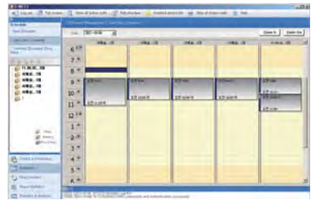
Power Distribution Management

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.



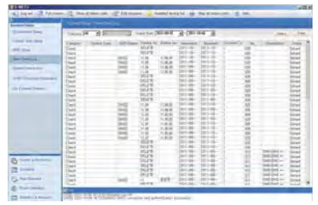
Schedule Control

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.)

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 3, 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**

MIM-D01ANDZ

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

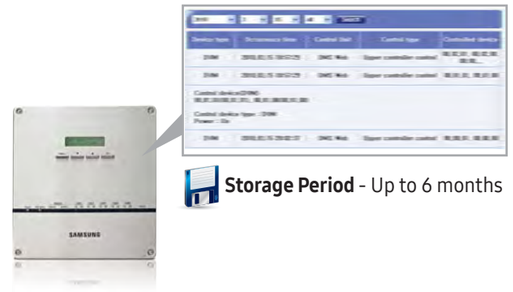
Users can control and monitor up to 256 indoor units, including ERV, ERV PLUS, AHU, DVM CHILLER and FCU Kit, via the Internet. The control functions include on/ off operation mode, and fan speed and temperature settings.

Anytime, Anywhere — DMS 2.5 — Control

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:

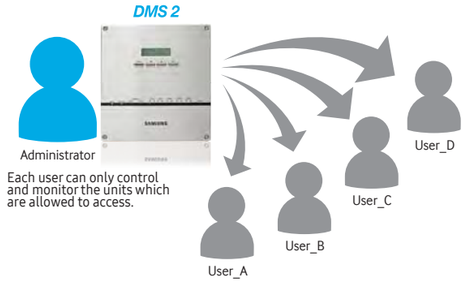
- Indoor unit address and name
- On/Off time (year, month, day, hour, minute)
- Operation mode (cool, heat, auto, fan dry, stop)
- Set/Room temperature



Storage Period - Up to 6 months

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	O	O	O
Zone management	O	O	X
Schedule	O	O	O
Power distribution	O	O	X
System configuration	O	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.

Occupied

Outing

CONTROL SYSTEM

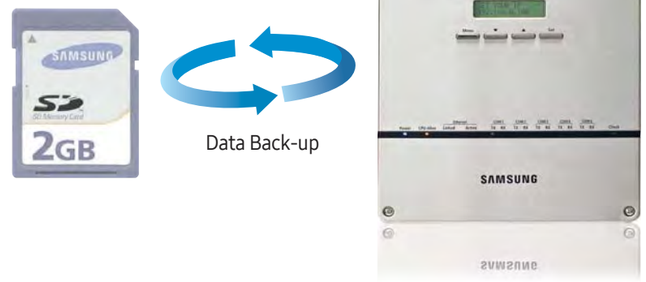
Enhanced Graphical Display

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

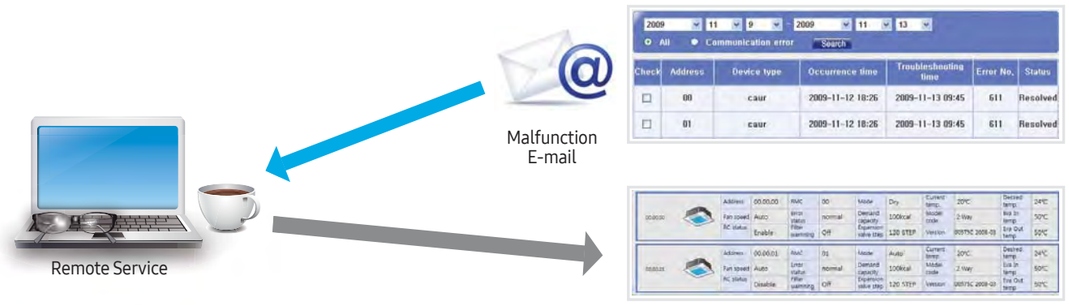
Critical data is safely stored on the DMS 2.5 SD memory card, including:

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



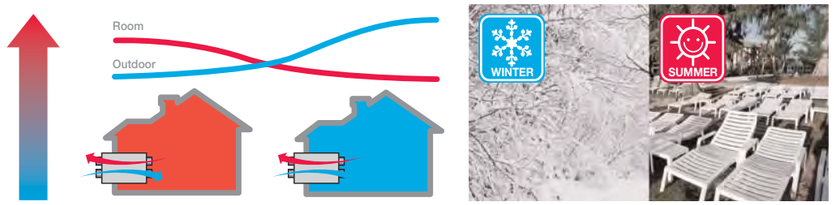
Rapid & Easy Service Response

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.



Logic	Outdoor temp < Room temp	Room temp < Outdoor temp	Outdoor temp <10	Outdoor temp > 25
Control	Turn ON ERV (Cool air Intake UP)	Turn ON Air Conditioner	Heating mode	Cooling mode

EHP / ERV / AHU Parameters — Temperature, Power, Mode..... AND OR **Arithmetic Equation Function** — <, >, =, =>, =<, Average = **EHP / ERV / AHU Parameters change** — Setting temp, Power, Mode, Fan speed.....

*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

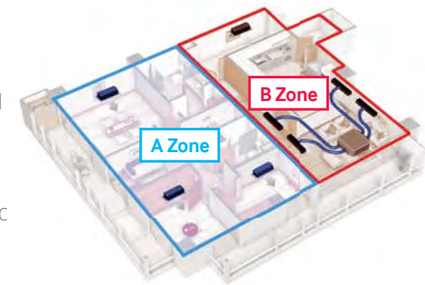
1. Error occurred unit name
2. Error details
3. Error occurrence/clear time
4. Error state (solved / unsolved)

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.

MCM-A202DNDZ

MCM-A300NDZ

Touch Centralized Controller | MCM-A300NDZ

- 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-A202DNDZ

- 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

MIM-N01DZ

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-N10DZ

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

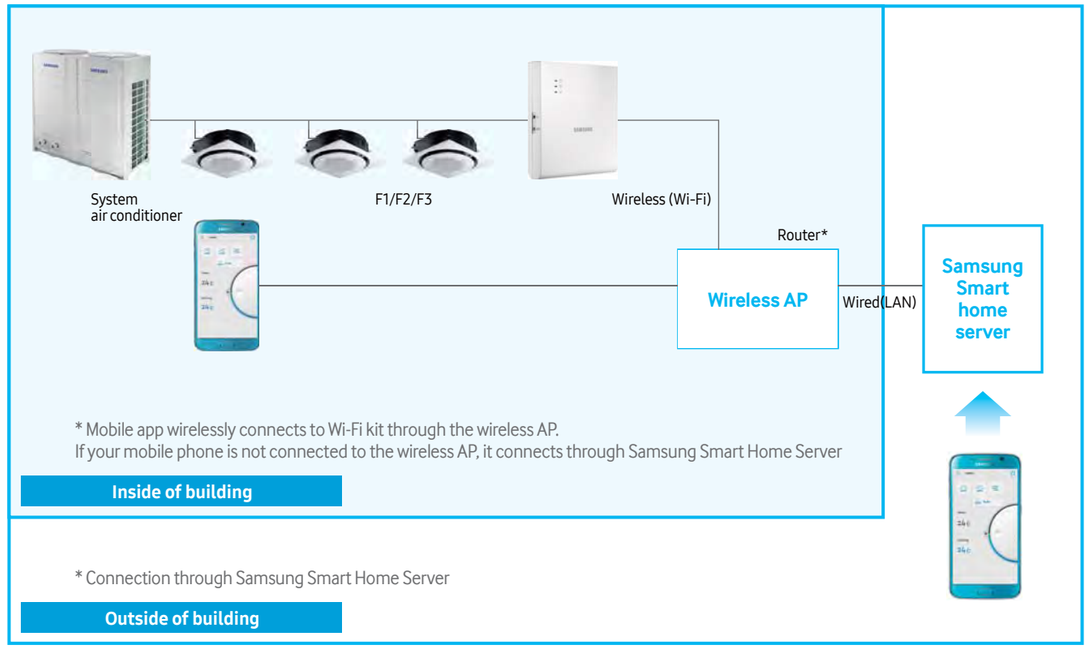
MIM-H03NDZ

- 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



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.

CONTROL SYSTEM

Wireless Remote Controller **MR-EH00DZ, AR-EH03EDZ**

- 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-KH00EDZ**

- 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.

AWired Remote Controller **MWR-WE11NDZ, MWR-WE13NDZ**

- 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

Premium LED Touch Screen Wired Remote Controller **MWR-SH10NDZ**

- 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-VH12NDZ**

- 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-A10NDZ**

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

External Room Sensor **MWR-TADZ**

- 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.

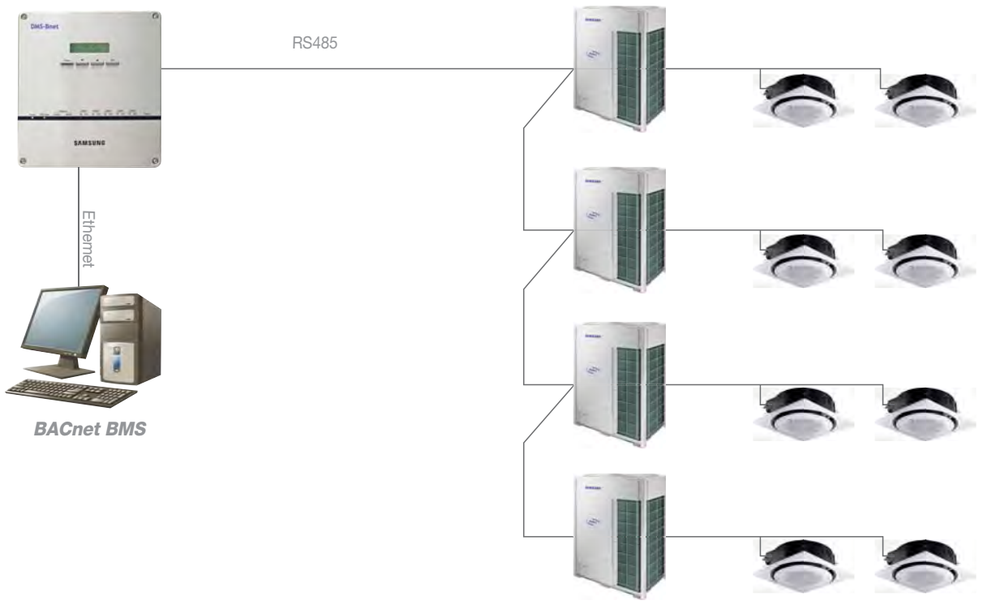
BACnet Gateway **MIM-B17NDZ**

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.

- 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	
• 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



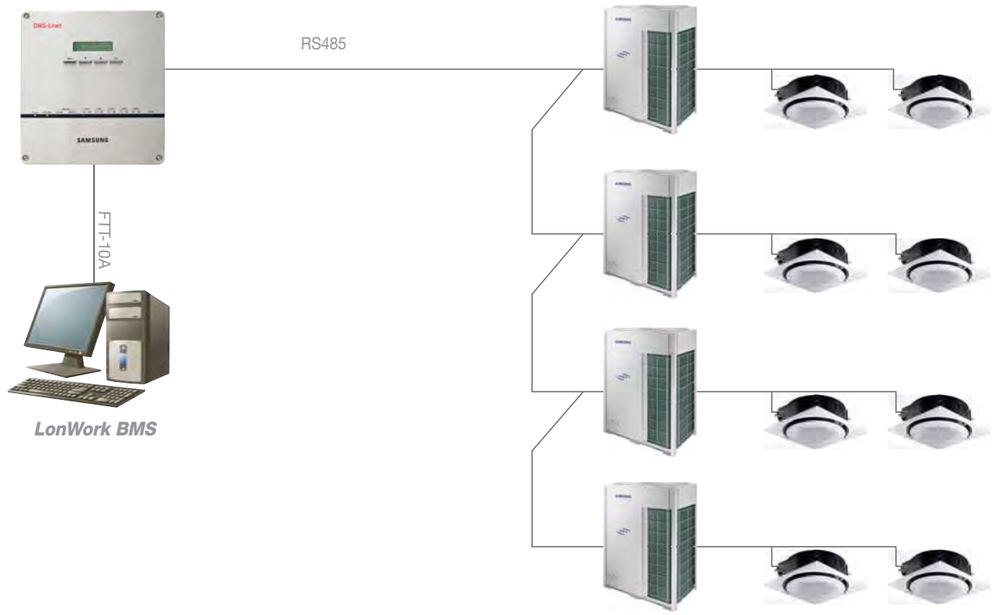
LonWorks Gateway **MIM-B18NDZ (DMS-Lnet)**

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.

- 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

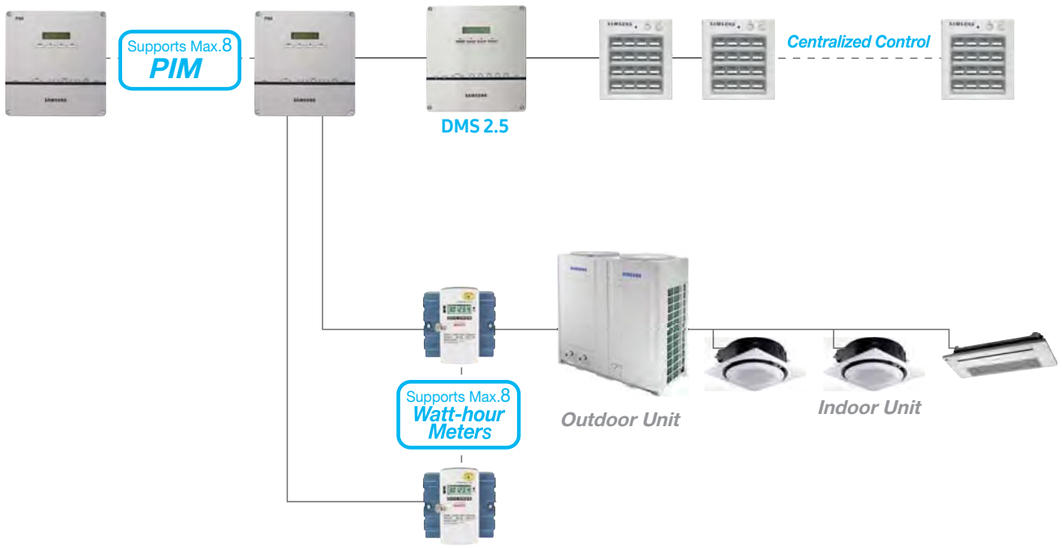


Watt-hour Meter Interface Module **MIM-B16NDZ PIM (Pulse Input Module)**

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

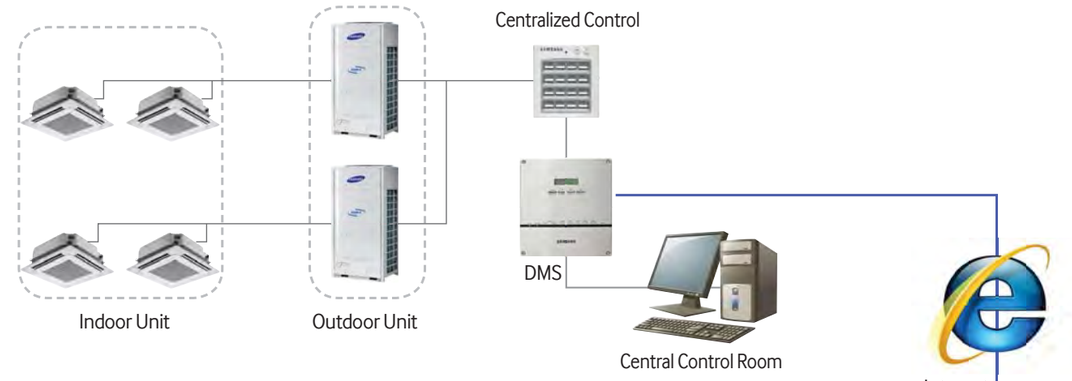
Remotely monitor operations 24/7 for the ultimate in convenient control

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

Air conditioning system



ZenManager Mobile

RM center

RM center

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

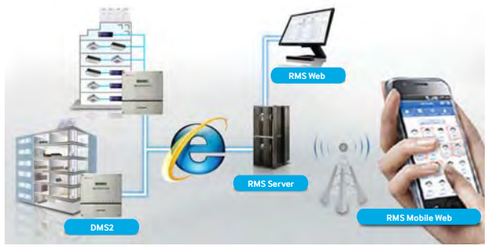
- Weekly and monthly report for usage trend

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

CONTROL SYSTEM

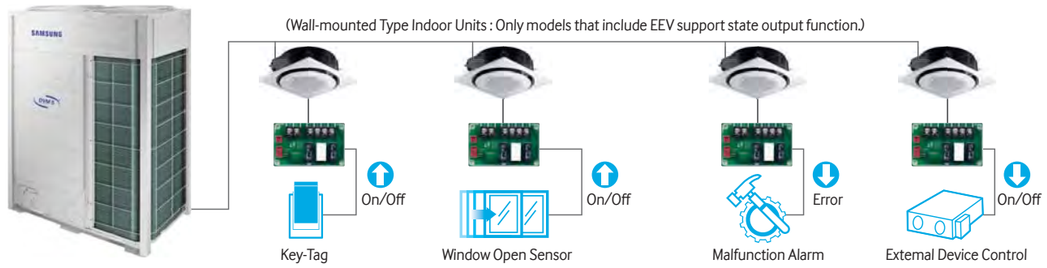
GUESTROOM MANAGEMENT MODULE

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-B14DZ**

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

* Please contact your local sales person to get the S/W, or email to 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 (MXD-K***ANDZ)
- Variable capacity
- 2.5HP – 40HP
- Simple BMS application (MXD-K***ANDZ)
- 0-10V (MXD-K***ANDZ)
- Discharge air temperature control

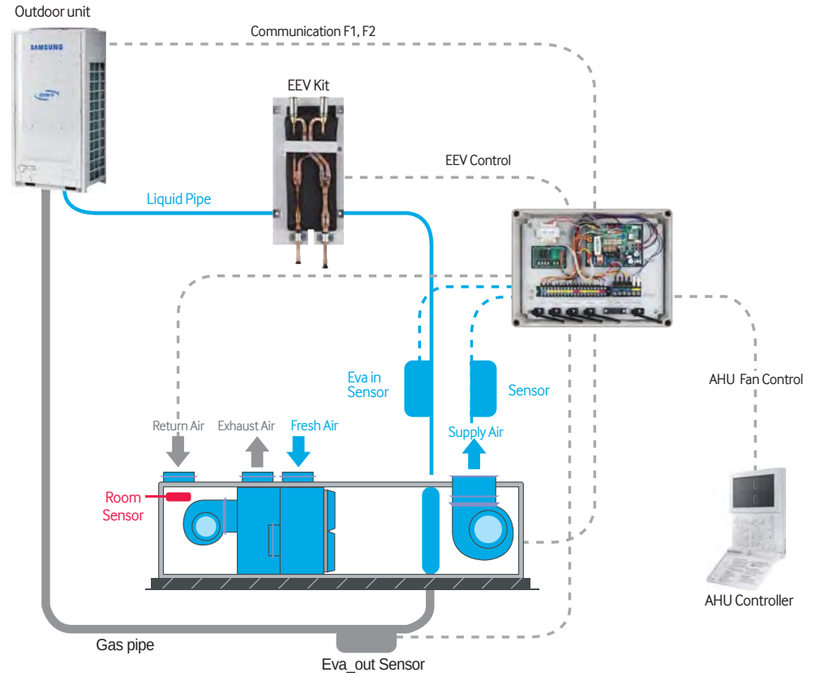
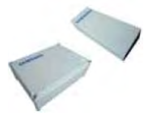


Image	Model	Remark			
	MXD-K025ANDZ	7.0 kW ~ 8.75 kW			
	MXD-K050ANDZ	14.0 kW ~ 17.5 kW			
	MXD-K075ANDZ	21.0 kW ~ 26.25 kW			
	MXD-K100ANDZ	28.0 kW ~ 35.0 kW			
 MXD-A64K100E	MCM-D201NDZ	28 kW ~ 35 kW	56 kW ~ 70 kW	84 kW ~ 105 kW	112 kW ~ 140 kW
		MDX-A64K100E	MDX-A64K100E	MDX-A64K100E	MDX-A64K100E
		X 1 EA	X 2 EA	X 3 EA	X 4 EA

MEMO

MEMO