



SAMSUNG
AIR CONDITIONERS

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 **Customer Service:**
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Samsung
system air conditioners

VRF (DVM S)

Product Catalogue

Product Categories



VRF DVM S Commercial

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



Single split CAC Light Commercial

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

Commercial Air Conditioner



Multi split FJM Residential

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

Free Joint Multi

SAMSUNG

Product Types

HEAT PUMP



DVM S



DVM S Eco



DVM S HR



DVM S Water



DVM S Chiller

HEAT RECOVERY

MODULAR CHILLER

WALL MOUNTED TYPE

CONSOLE TYPE



Neo Forte



AR5000



Boracay



Console

CASSETTE TYPE

CEILING TYPE

FLOOR STANDING TYPE



360 Cassette



4 Way Cassette



4 Way Cassette (600x600)



1 Way Cassette



2 Way Cassette



Ceiling



Ceiling(Large)



Concealed



Packaged

DUCT TYPE

HYDRO(HOT WATER)

VENTILATION UNIT



HSP Duct



MSP Duct



LSP Duct



OAP Duct



50°C



80°C



ERV Plus



ERV

DVM S

World's Largest
Single Module

30HP



DVM S

THE WORLD'S LARGEST CAPACITY



Comfort with solutions designed for superior efficiency and manageability

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

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

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

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

DVM S

THE WORLD'S LARGEST CAPACITY

World's Largest Single Module - 30HP

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

* Based on internal benchmark studies as at September 2015.



More choice of capacity, even less cost

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



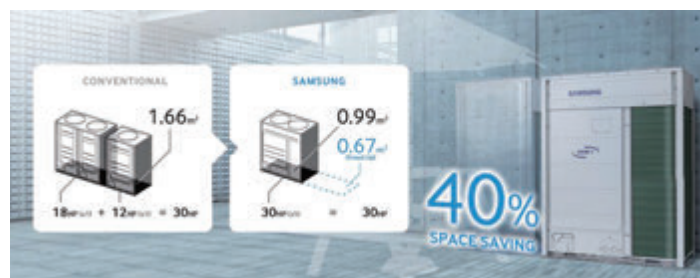
Maximize heating and cooling capacity with a conveniently sized design

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



More usable space - no compromise

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

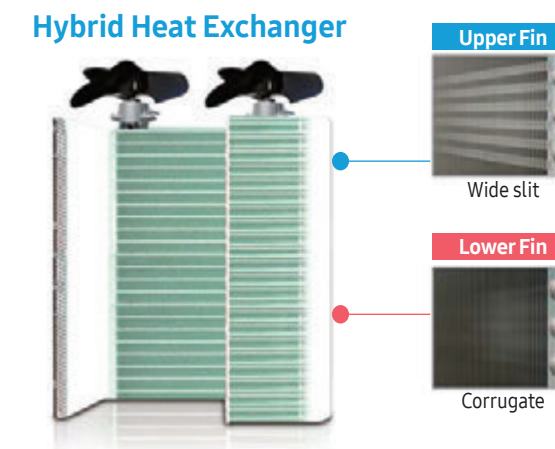


DVM S

SMART EFFICIENCY

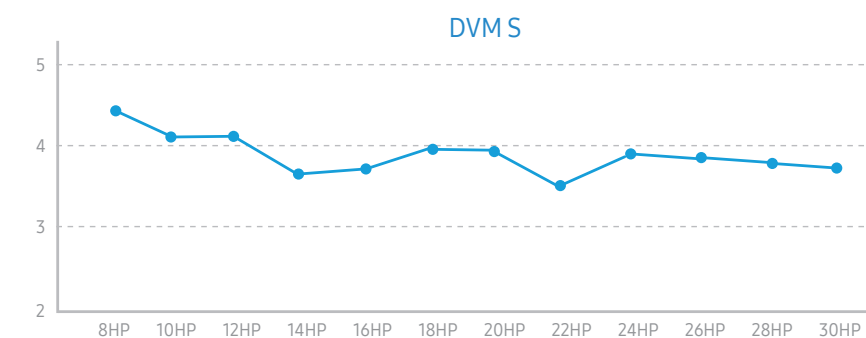
Excellent cooling performance and high energy efficiency

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



Energy efficiency ratio (EER)

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



Class leading energy

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

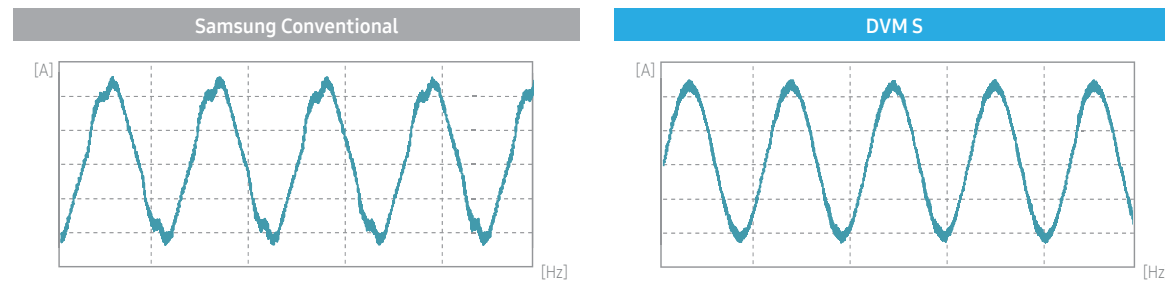


DVM S

SMART EFFICIENCY & SMART MANAGEMENT

Adaptive sine wave control

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



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

SMART MANAGEMENT

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

Auto commissioning and Management (ACM) - Optional

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



DVM S

SMART MANAGEMENT

Reduced commissioning time

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



WiFi Monitoring System - Optional

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



DVM S

IMPROVED HEATING PERFORMANCE AND HIGH ENERGY EFFICIENCY

Easy access

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

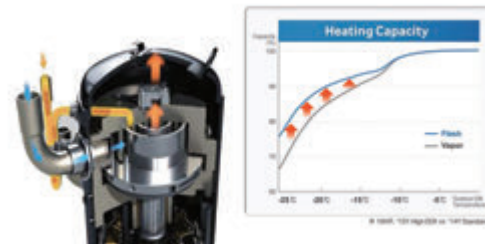


Enhance temperature control with more intelligent and efficient heating operation

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

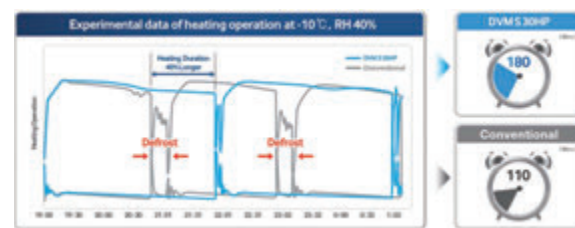
Improved flash injection

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



Intelligent defrost

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

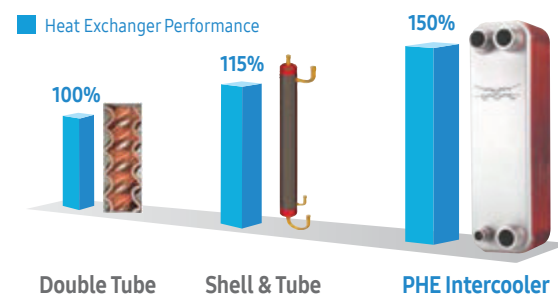


Maintain optimal comfort and control with energy and cost-efficient technologies

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

Reduce maintenance and energy costs with intercoolers

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

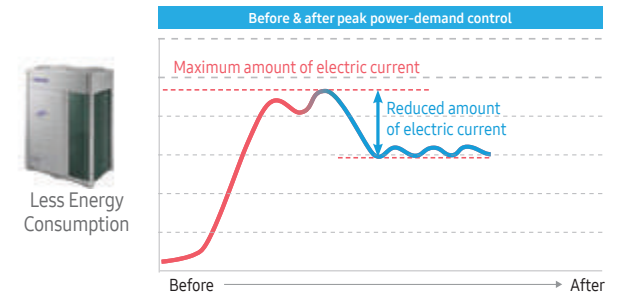


DVM S

FLEXIBLE INSTALLATION

Limit power consumption with peak-demand control

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

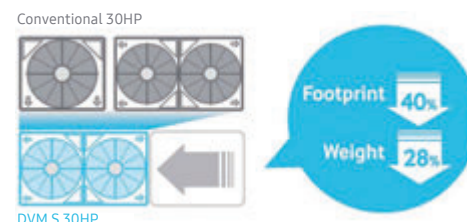
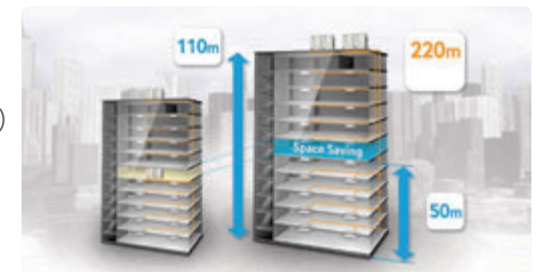


Reduce expenses with installation designed to be easy and flexible

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

Flexible installation with extended pipe length and elevation

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



Smaller footprint and lighter weight

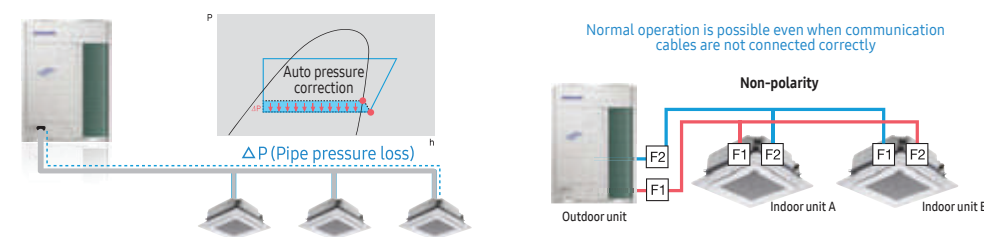
The large unit capacity (30HP) facilitates the economical installation with a smaller footprint and lighter weight, making it the perfect fit for buildings with space constraints.

Easy and safe wiring

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

Optimized refrigerant distribution control

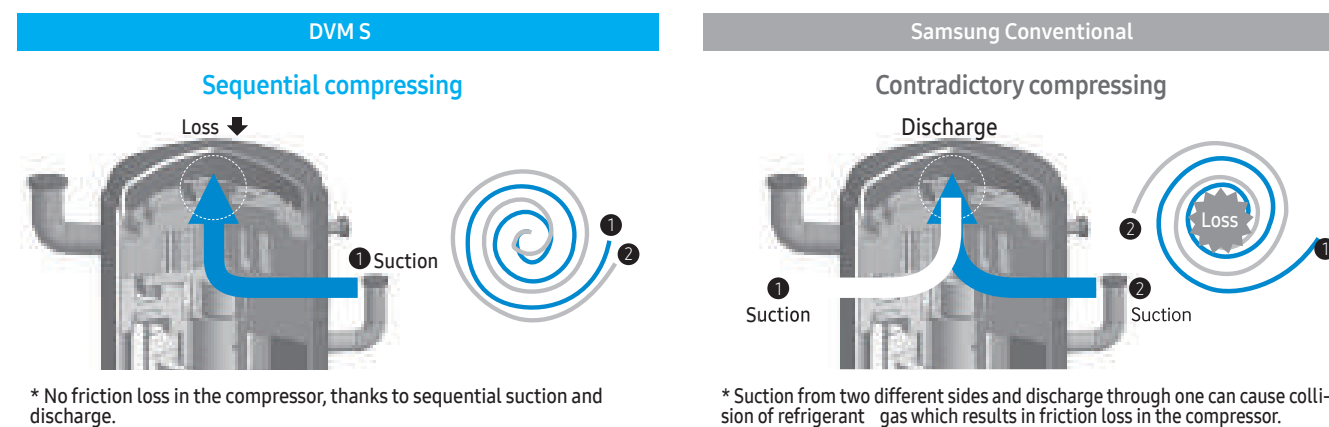
DVM S compensates for the long piping distance between outdoor units and indoor units by providing balanced refrigerant distribution. The individual indoor units perform capacity connection control and automatic refrigerant balancing to ensure balanced performance between the units.



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

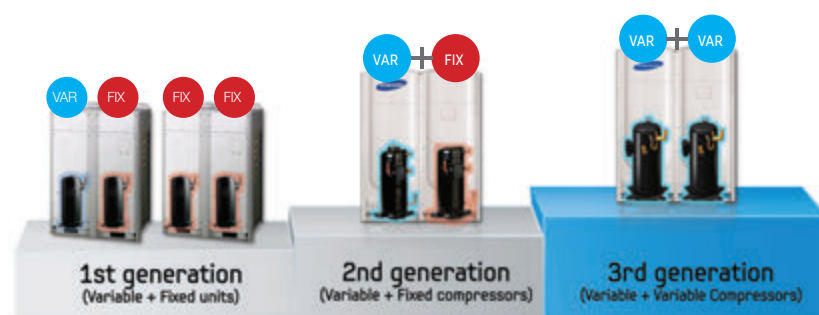
Asymmetric Scroll Design

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



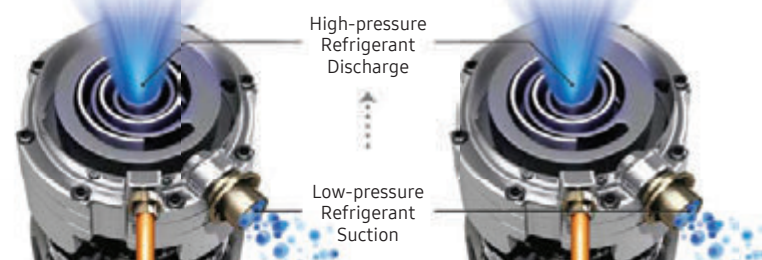
Dual Smart Inverter (DSI) System

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



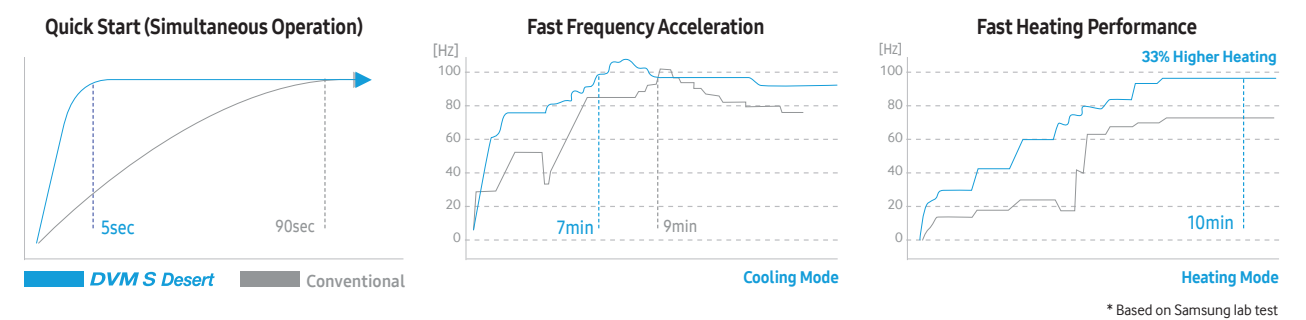
DDI System

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



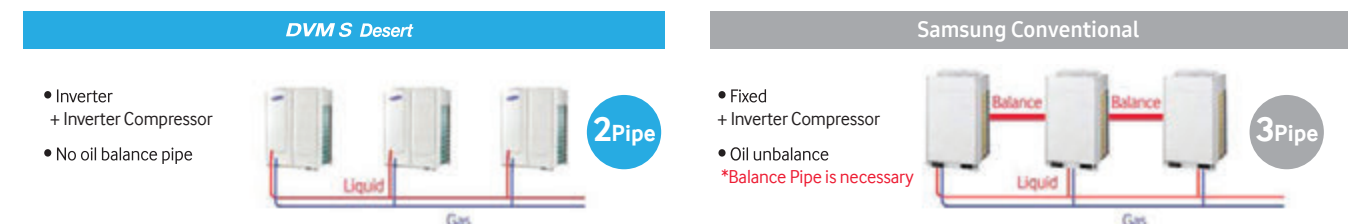
Quick Cooling and Heating

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



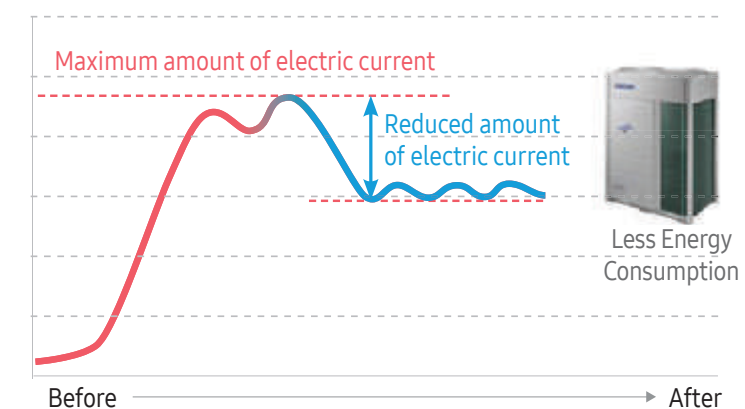
Auto Oil Balancing

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



Peak power-demand control

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

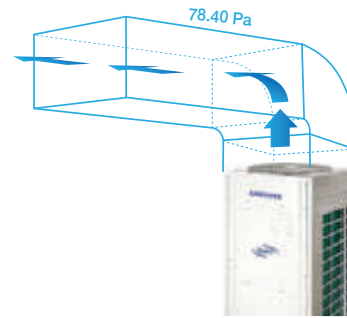


DVM S

SMART OPERATION

High external static pressure

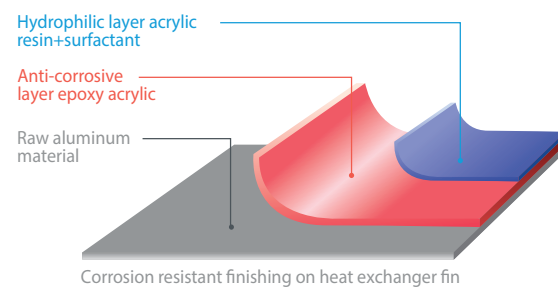
To properly deal with unexpected and varying installation conditions, DVM S is designed to manage high external static pressures up to 78.40pa.



Corrosion and frost resistance

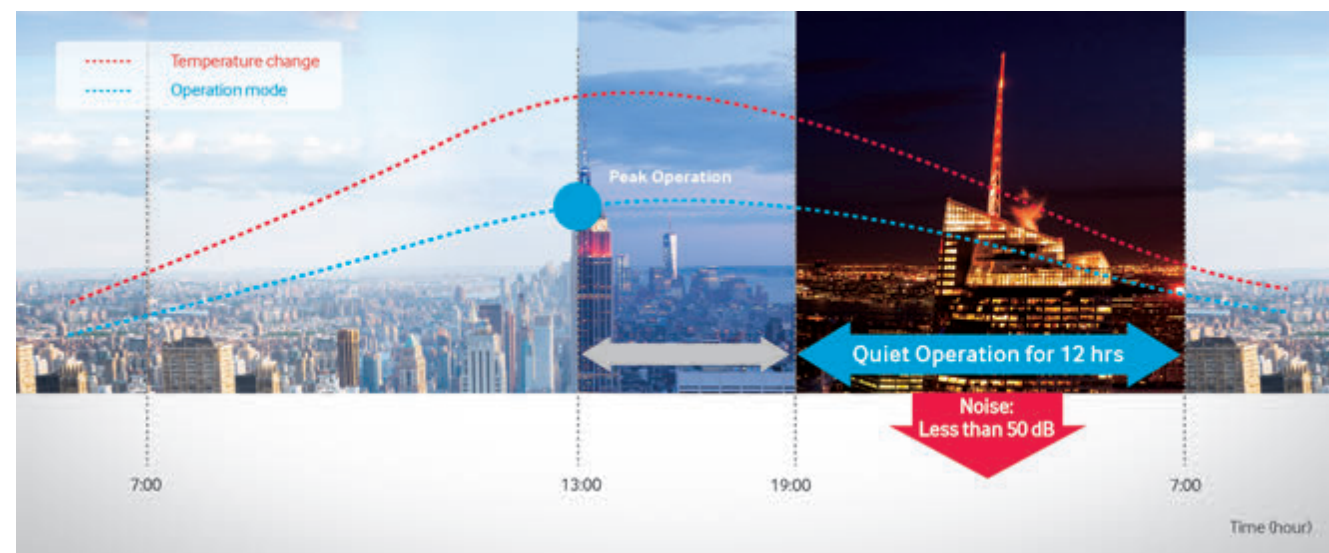
DVM S includes a hydrophilic coating that facilitates efficient heat exchange and delays the onset of frost formation to provide consistent heating performance. An anti-corrosive coating also helps the units to resist corrosion from the elements.

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



Quiet operation for night time

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



DVM S ECO

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



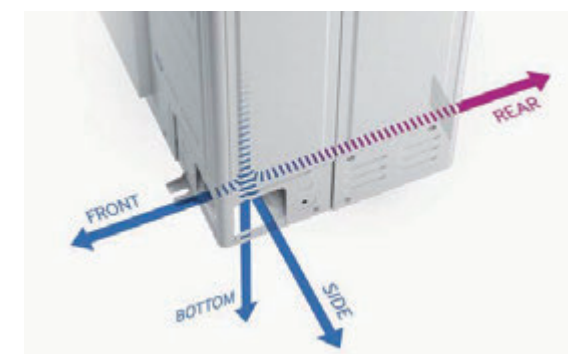
Flexible Piping Design

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



Connects more, fits more

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



DVM S ECO

Control your cooling anywhere

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



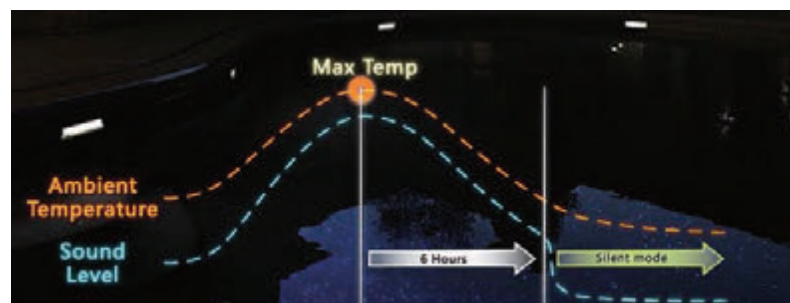
High Energy Efficiency Performance

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



Ultra-quiet operation

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



Control your cooling anywhere - Optional

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

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



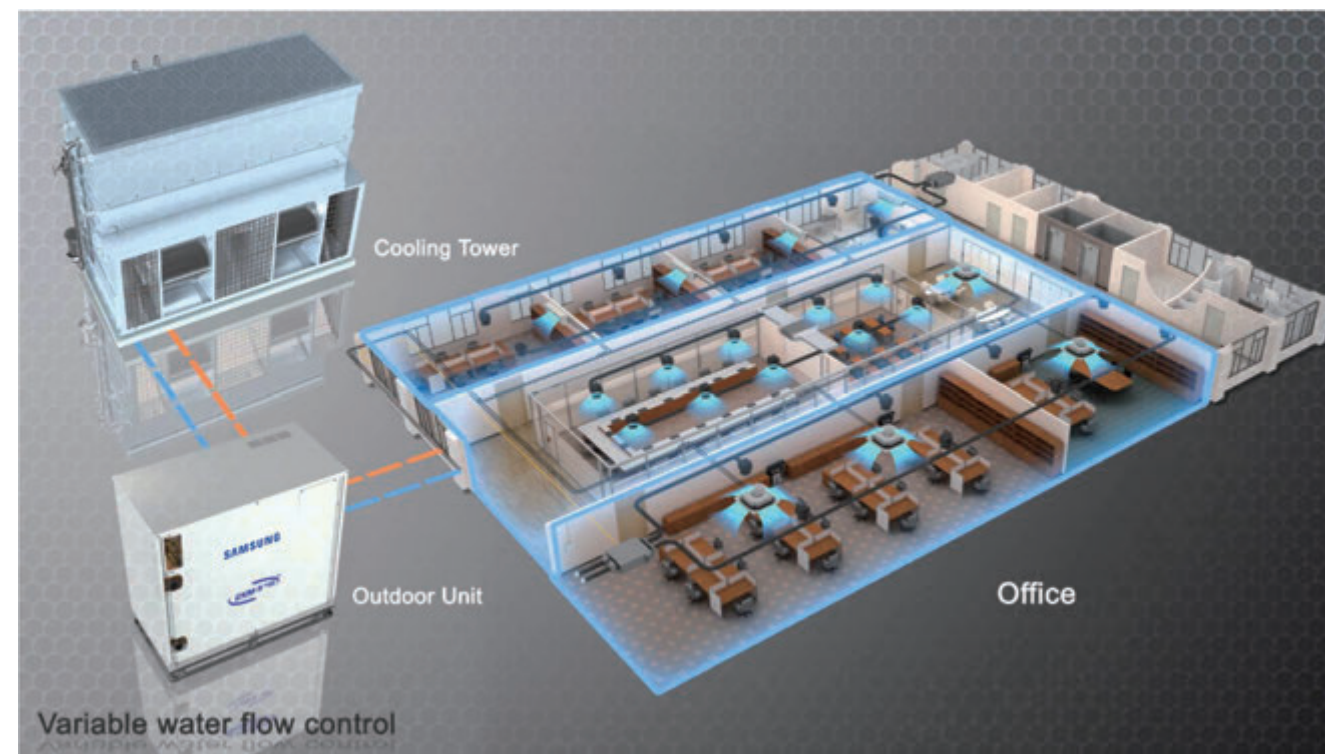
DVM S WATER

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

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

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

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



Enhanced the atmosphere and control costs with high energy efficiency

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

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.

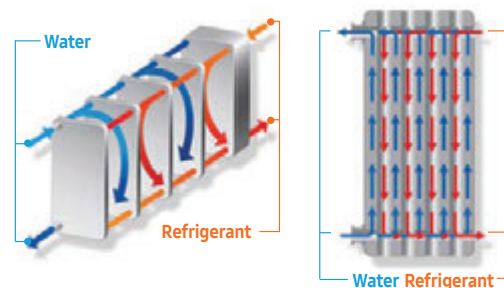
Independent cooling and heating

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.

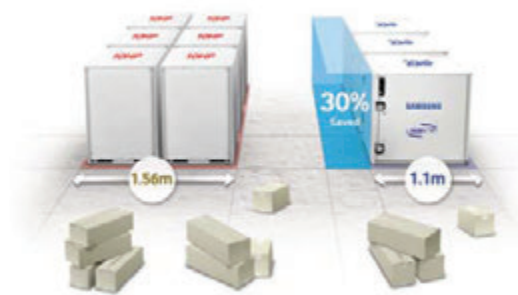


Simplify installation with a cost-saving, adaptable design

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 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.

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.

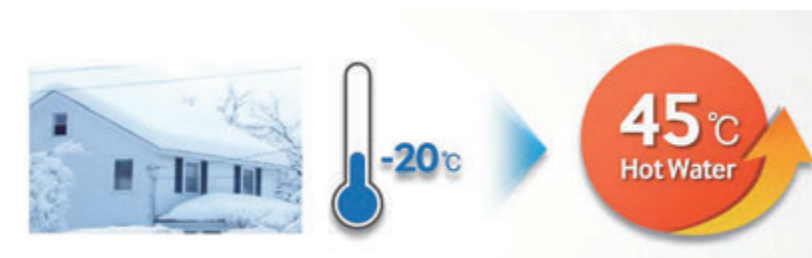
Work Silently at Night

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

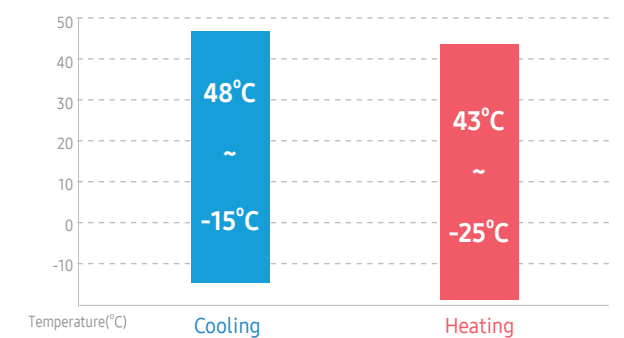
DVM Chiller can operate over 45°C hot water supply heating performance at -20°C with flash injection technology.



Powerful Heating Performance

Wide Temperature Range of Operation

Cooling -15oC ~ 48oC
Heating -25oC ~ 43oC



DVM CHILLER

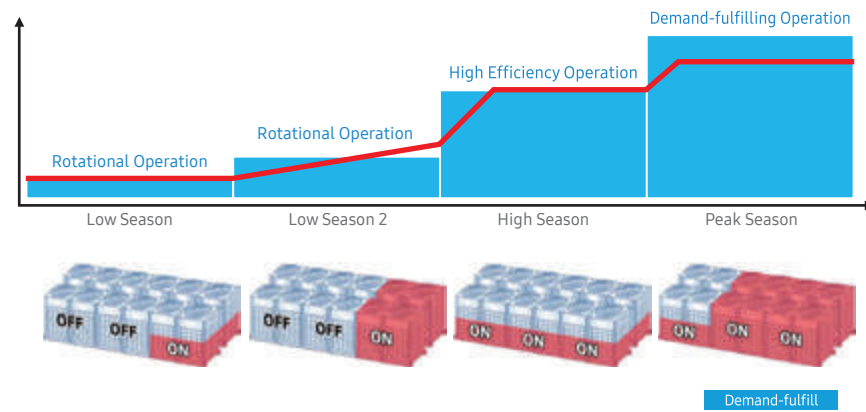
Advanced performance & energy efficiency

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.



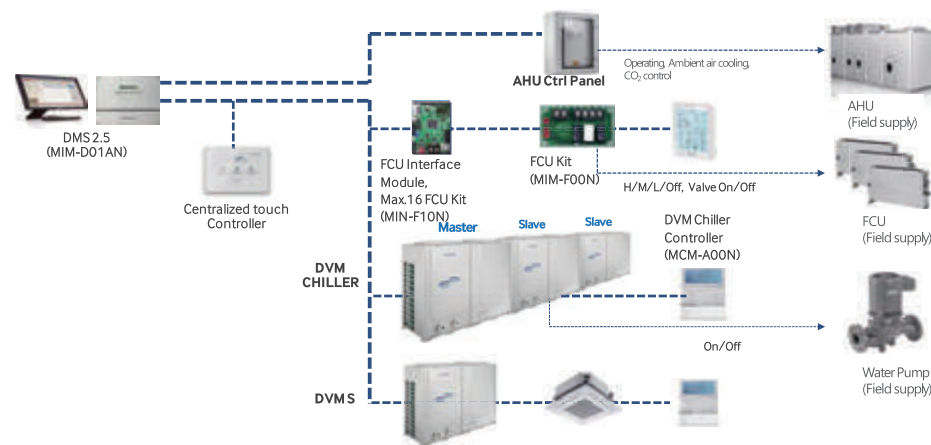
Energy saving operation (ESEER)

Various modes for different types of operational requirements



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 S HR

PREMIUM HEAT RECOVERY

Heat environments effortlessly and continuously for ultimate comfort

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

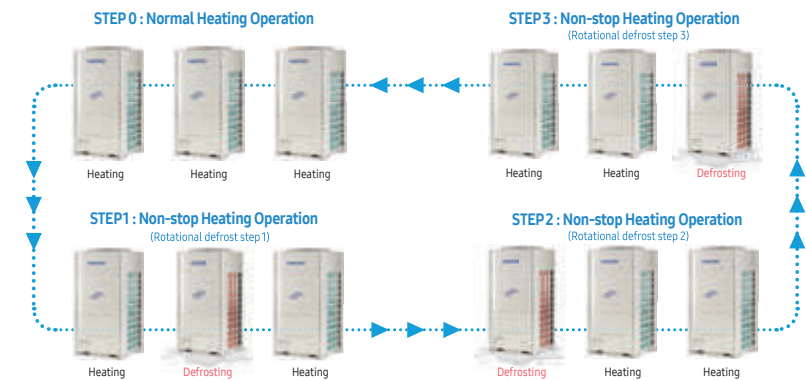
Non-stop heating

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



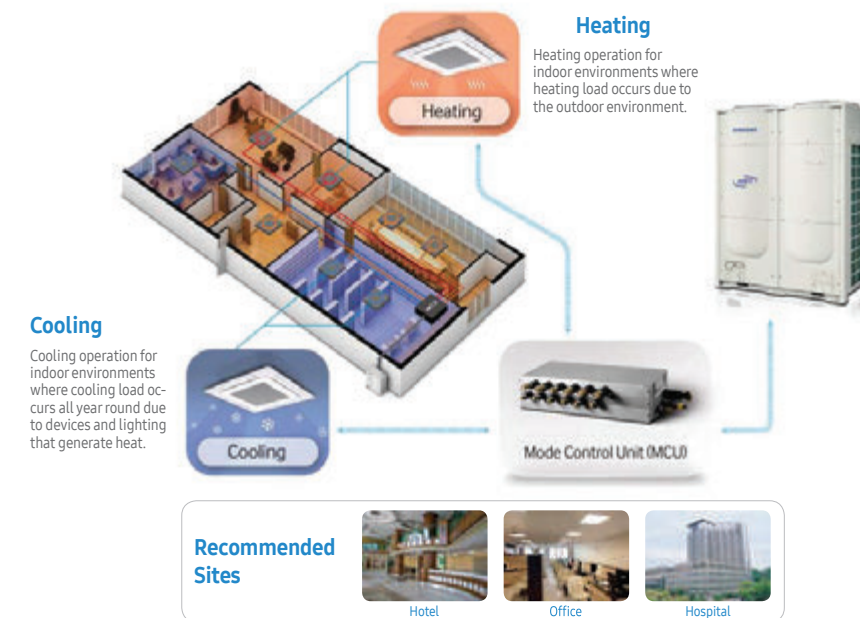
Simultaneous cooling and heating

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



Fine-tuned control

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

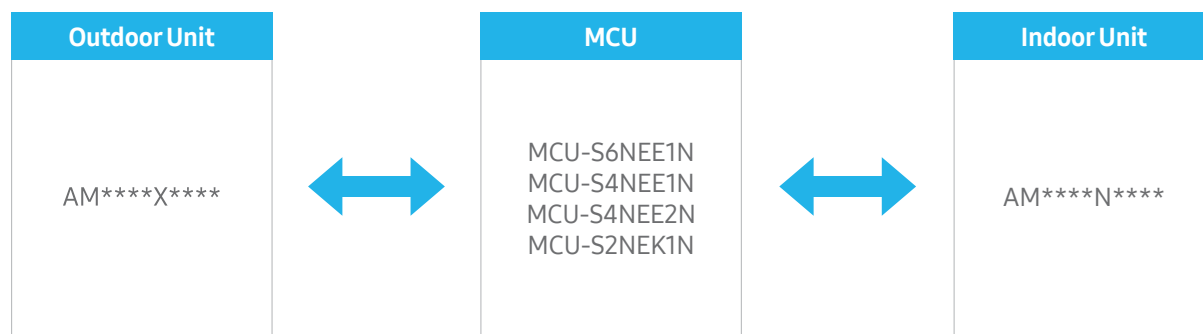


MCU

MODE CONTROL UNIT

MCU indoor/outdoor unit compatibility table

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



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



DVM S

OUTDOOR UNITS SPECIFICATION

DVMS

COMBINATION TABLE

STANDARD COMBINATION (ENERGY SAVING)

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

DVMS

COMBINATION TABLE

COMPACT COMBINATION (SPACE SAVING)

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

COOLING ONLY 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	AM080MXVAGC/TS	1	1											
10	AM100MXVAGC/TS	1		1										
12	AM120MXVAGC/TS	1			1									
14	AM140MXVAGC/TS	1				1								
16	AM160MXVAGC/TS	1					1							
18	AM180MXVAGC/TS	1						1						
20	AM200MXVAGC/TS	1							1					
22	AM220MXVAGC/TS	1								1				
24	AM240MXVAGC/TS	1									1			
26	AM260MXVAGC/TS	1										1		
28	AM280MXVAGC/TS	1											1	
30	AM300MXVAGC/TS	1												1
32	AM320MXVAGC/TS	2		1						1				
34	AM340MXVAGC/TS	2			1					1				
36	AM360MXVAGC/TS	2				1				1				
38	AM380MXVAGC/TS	2					1			1				
40	AM400MXVAGC/TS	2						1		1				
42	AM420MXVAGC/TS	2							1	1				
44	AM440MXVAGC/TS	2								2				
46	AM460MXVAGC/TS	2						1						1
48	AM480MXVAGC/TS	2							1					1
50	AM500MXVAGC/TS	2							1					1
52	AM520MXVAGC/TS	2								1				1
54	AM540MXVAGC/TS	2									1			1
56	AM560MXVAGC/TS	2										1		1
58	AM580MXVAGC/TS	2											1	1
60	AM600MXVAGC/TS	2												2
62	AM620MXVAGC/TS	3		1						1				1
64	AM640MXVAGC/TS	3			1					1				1
66	AM660MXVAGC/TS	3				1				1				1
68	AM680MXVAGC/TS	3					1			1				1
70	AM700MXVAGC/TS	3						1		1				1
72	AM720MXVAGC/TS	3							1	1				1
74	AM740MXVAGC/TS	3								2				1
76	AM760MXVAGC/TS	3								1	1			1
78	AM780MXVAGC/TS	3								1		1		1
80	AM800MXVAGC/TS	3								1			1	1
82	AM820MXVAGC/TS	3								1				2
84	AM840MXVAGC/TS	3									1			2
86	AM860MXVAGC/TS	3										1		2
88	AM880MXVAGC/TS	3											1	2
90	AM900MXVAGC/TS	3												3

DVM S Standard

Model Code	AM080FXVAGH/TK	AM100FXVAGH/TK	AM120FXVAGH/TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	8.00	10.00
	Cooling [kW]	22.40	28.00
	Cooling [Btu/hr]	76,400	95,500
Power Input	Cooling [kW]	5.00	6.80
	Cooling [kW]	8.00	10.90
Current Input	MCA [A]	18.00 (MCA)	21.10 (MCA)
	MFA [A]	25.00	32.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	4.48	4.12
	Type	SSC Scroll x 1	SSC Scroll x 1
Compressor	Output [kW x n]	(4.96)	(6.39)
	Model Name	DS-GB052FAVASG x 1	DS-GB066FAVBSG x 1
Fan	Type	Propeller	Propeller
	Output x n [W]	400.0 x 1	400.0 x 1
	Air Flow Rate [CMM]	170	220
Piping Connections	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
	Liquid Pipe [Φ, mm]	9.52	9.52
Sound	Liquid Pipe [Φ, inch]	3/8"	3/8"
	Gas Pipe [Φ, mm]	19.05	22.22
	Gas Pipe [Φ, inch]	3/4"	7/8"
	Installation Limitation [Max Length] [m]	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0
	Sound Pressure [dB(A)]	57.0	58.0
External Dimension	Sound Power [dB(A)]	77.0	81.0
	Net Weight [kg]	184.5	184.5
	Shipping Weight [kg]	200.5	200.5
Operating Temp. Range	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765	880 x 1,695 x 765
	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832	948 x 1,887 x 832
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0

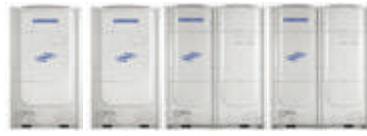
DVM S Standard

Model Code	AM140FXVAGH/TK	AM160FXVAGH/TK	AM180FXVAGH/TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	14.00	16.00
	Cooling [kW]	40.00	45.00
	Cooling [Btu/hr]	136,500	153,500
Power Input	Cooling [kW]	8.90	11.00
	Cooling [kW]	14.30	17.60
Current Input	MCA [A]	25.00 (MCA)	32.00 (MCA)
	MFA [A]	32.00	40.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	4.49	4.09
	Type	SSC Scroll x 1	SSC Scroll x 2
Compressor	Output [kW x n]	(6.13)	(4.96x2)
	Model Name	DS-GB066FAVASG x 1	DS-GB052FAVASG x 2
Fan	Type	Propeller	Propeller
	Output x n [W]	620.0 x 2	620.0 x 2
	Air Flow Rate [CMM]	260	290
Piping Connections	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
	Liquid Pipe [Φ, mm]	12.70	12.70
Sound	Liquid Pipe [Φ, inch]	1/2"	1/2"
	Gas Pipe [Φ, mm]	28.58	28.58
	Gas Pipe [Φ, inch]	1 1/8"	1 1/8"
	Installation Limitation [Max Length] [m]	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0
	Sound Pressure [dB(A)]	61.0	63.0
External Dimension	Sound Power [dB(A)]	81.0	83.0
	Net Weight [kg]	233.0	276.0
	Shipping Weight [kg]	252.0	295.0
Operating Temp. Range	Net Dimensions (WxHxD) [mm]	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
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0

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

DVM S

SPECIFICATION



DVM S Standard

Model Code	AM680HXVAGHTK	AM700HXVAGHTK	AM720HXVAGHTK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	68.00	70.00
	Cooling [kW]	190.40	196.80
	Cooling [Btu/hr]	649,700	671,500
Power Input	Cooling [kW]	51.50	52.00
	Cooling [kW]	82.60	83.40
Current Input	MCA [A]	139.00 (MCA)	139.00 (MCA)
	MFA [A]	200.00	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.70	3.78
	Type	SSC Scroll x 6	SSC Scroll x 6
Compressor	Output [kW x n]	(6.39)x2 + (6.39x2)x2	(6.39) + (6.39) + (6.39x2)x2
	Model Name	DS-GB066FAVB5G x 6	DS-GB066FAVB5G x 6
Fan	Type	Propeller	Propeller
	Output x n [W]	(400.0 x 1) x 2 + (620.0 x 2) x 2	400.0 x 1 + (620.0 x 2) x 3
	Air Flow Rate [CMM]	220 x 2 + 290 x 2	220 + 255 + 290 x 2
	External Static Pressure [mmAq]	8.00	8.00
Piping Connections	External Static Pressure [Pa]	78.45	78.45
	Liquid Pipe [Φ, mm]	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200
Sound	Installation Limitation [Max Height] [m]	110.0	110.0
	Sound Pressure [dB(A)]	70.0	70.0
External Dimension	Sound Power [dB(A)]	93.0	93.0
	Net Weight [kg]	184.5 x 2 + 298.0 x 2	184.5 + 233.0 + 298.0 x 2
	Shipping Weight [kg]	200.5 x 2 + 317.0 x 2	200.5 + 252.0 + 317.0 x 2
	Net Dimensions (WxHxD) [mm]	(880 x 1,695 x 765) x 2 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3
Operating Temp. Range	Shipping Dimensions (WxHxD) [mm]	(948 x 1,887 x 832) x 2 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3
	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0



DVM S Standard

Model Code	AM740HXVAGHTK	AM760HXVAGHTK	AM780HXVAGHTK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	74.00	76.00
	Cooling [kW]	207.20	212.80
	Cooling [Btu/hr]	707,000	726,100
Power Input	Cooling [kW]	55.98	58.29
	Cooling [kW]	89.80	93.50
Current Input	MCA [A]	153.10 (MCA)	156.50 (MCA)
	MFA [A]	200.00	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.70	3.65
	Type	SSC Scroll x 7	SSC Scroll x 7
Compressor	Output [kW x n]	(6.39) + (6.39x2) + (6.39x2)x2	(6.39) + (6.39x2) + (6.39x2)x3
	Model Name	DS-GB066FAVB5G x 7	DS-GB066FAVB5G x 7
Fan	Type	Propeller	Propeller
	Output x n [W]	400.0 x 1 + (620.0 x 2) x 3	400.0 x 1 + (620.0 x 2) x 3
	Air Flow Rate [CMM]	220 + 290 x 3	220 + 290 x 3
	External Static Pressure [mmAq]	8.00	8.00
Piping Connections	External Static Pressure [Pa]	78.45	78.45
	Liquid Pipe [Φ, mm]	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200
Sound	Installation Limitation [Max Height] [m]	110.0	110.0
	Sound Pressure [dB(A)]	71.0	71.0
External Dimension	Sound Power [dB(A)]	93.0	93.0
	Net Weight [kg]	184.5 + 298.0 x 3	184.5 + 298.0 x 3
	Shipping Weight [kg]	200.5 + 317.0 x 3	200.5 + 317.0 x 3
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3
Operating Temp. Range	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3
	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0

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

DVM S

SPECIFICATION



DVM S Standard

Model Code	AM800HXVAGHTK	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	
Capacity	HP	80.00
	Cooling [kW]	224.80
	Cooling [Btu/hr]	767,000
Power Input	Cooling [kW]	60.95
	Cooling [kW]	97.70
Current Input	MCA [A]	158.50 (MCA)
	MFA [A]	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.69
	Type	SSC Scroll x 7
Compressor	Output [kW x n]	(6.39) + (6.39x2)x3
	Model Name	DS-GB066FAVB5G x 7
Fan	Type	Propeller
	Output x n [W]	(620.0 x 2) x 4
	Air Flow Rate [CMM]	255 + 290 x 3
	External Static Pressure [mmAq]	8.00
Piping Connections	External Static Pressure [Pa]	78.45
	Liquid Pipe [Φ, mm]	22.22
	Liquid Pipe [Φ, inch]	7/8"
	Gas Pipe [Φ, mm]	53.98
	Gas Pipe [Φ, inch]	2 1/8"
	Installation Limitation [Max Length] [m]	200
Sound	Installation Limitation [Max Height] [m]	110.0
	Sound Pressure [dB(A)]	71.0
External Dimension	Sound Power [dB(A)]	94.0
	Net Weight [kg]	233.0 + 298.0 x 3
	Shipping Weight [kg]	252.0 + 317.0 x 3
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,695 x 765) x 4
Operating Temp. Range	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,887 x 832) x 4
	Cooling [°C]	-5.0 ~ 48.0



DVM S Compact

Model Code	AM360HXVAGHTK	AM380HXVAGHTK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50
Capacity	HP	36.00
	Cooling [kW]	100.80
	Cooling [Btu/hr]	343,900
Power Input	Cooling [kW]	25.50
	Cooling [kW]	40.33
Current Input	MCA [A]	80.00 (MCA)
	MFA [A]	90.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.95
	Type	SSC Scroll x 3
Compressor	Output [kW x n]	(6.39) + (6.39x2)
	Model Name	DS-GB066FAVB5G x 3
Fan	Type	Propeller
	Output x n [W]	400.0 x 1 + 620.0 x 2
	Air Flow Rate [CMM]	220 + 310
	External Static Pressure [mmAq]	8.00
Piping Connections	External Static Pressure [Pa]	78.45
	Liquid Pipe [Φ, mm]	19.05
	Liquid Pipe [Φ, inch]	3/4"
	Gas Pipe [Φ, mm]	41.28
	Gas Pipe [Φ, inch]	1 5/8"
	Installation Limitation [Max Length] [m]	200
Sound	Installation Limitation [Max Height] [m]	110.0
	Sound Pressure [dB(A)]	68.0
External Dimension	Sound Power [dB(A)]	91.0
	Net Weight [kg]	184.5 + 356.0
	Shipping Weight [kg]	200.5 + 371.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765 + 1,295 x 1,695 x 765
Operating Temp. Range	Shipping Dimensions (WxHxD) [mm]	948 x 1,887 x 832 + 1,363 x 1,887 x 832
	Cooling [°C]	-5.0 ~ 48.0

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

DVM S SPECIFICATION



DVM S Cooling Only

Model Code	AM740MXVAGC/TS	AM760MXVAGC/TS	AM780MXVAGC/TS
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	74.00	76.00
	Cooling [kW]	207.20	212.80
	Cooling [Btu/hr]	707,000	726,100
Power Input	Cooling [kW]	65.69	63.88
	Cooling [kW]	105.40	102.50
Current Input	MCA [A]	154.00 (MCA)	154.00 (MCA)
	MFA [A]	175.00	175.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.15	3.33
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(5.18x2)x2 + (7.81x2)	(5.18x2) + (6.39x2) + (7.81x2)
	Model Name	DS-GB052FAVB x 4 + DS4GJ5080FVA x 2	DS-GB052FAVB x 2 + DS-GB066FAVB x 2 + DS4GJ5080FVA x 2
Fan	Type	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate [CMM]	290 x 2 + 340	290 + 320 + 340
	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0
Sound	Sound Pressure [dB(A)]	72.0	72.0
	Sound Power [dB(A)]	94.0	94.0
External Dimension	Net Weight [kg]	280.0 x 2 + 342.0	280.0 + 322.0 + 342.0
	Shipping Weight [kg]	299.0 x 2 + 364.0	299.0 + 344.0 + 364.0
	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
	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 + (1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 - 48.0	-5.0 - 48.0



DVM S Cooling Only

Model Code	AM800MXVAGC/TS	AM820MXVAGC/TS	AM840MXVAGC/TS
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	80.00	82.00
	Cooling [kW]	224.20	229.60
	Cooling [Btu/hr]	765,000	783,400
Power Input	Cooling [kW]	69.40	72.34
	Cooling [kW]	111.30	116.00
Current Input	MCA [A]	174.50 (MCA)	174.50 (MCA)
	MFA [A]	200.00	200.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.23	3.17
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(5.18x2) + (6.39x2) + (7.81x2)	(5.18x2) + (7.81x2)x2
	Model Name	DS-GB052FAVB x 2 + DS-GB070FAVA x 2 + DS4GJ5080FVA x 2	DS-GB052FAVB x 2 + DS4GJ5080FVA x 4
Fan	Type	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate [CMM]	290 + 340 x 2	290 + 340 x 2
	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0
Sound	Sound Pressure [dB(A)]	73.0	73.0
	Sound Power [dB(A)]	94.0	94.0
External Dimension	Net Weight [kg]	280.0 + 335.0 + 342.0	280.0 + 342.0 x 2
	Shipping Weight [kg]	299.0 + 357.0 + 364.0	299.0 + 364.0 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
	Shipping Dimensions (WxHxD) [mm]	1,363 x 1,887 x 832 + (1,363 x 1,987 x 832) x 2	1,363 x 1,887 x 832 + (1,363 x 1,987 x 832) x 2
Operating Temp. Range	Cooling [°C]	-5.0 - 48.0	-5.0 - 48.0

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

DVM S SPECIFICATION



DVM S Cooling Only

Model Code	AM860MXVAGC/TS	AM880MXVAGC/TS	AM900MXVAGC/TS
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Capacity	HP	86.00	88.00
	Cooling [kW]	240.80	246.60
	Cooling [Btu/hr]	821,600	841,400
Power Input	Cooling [kW]	74.07	76.05
	Cooling [kW]	118.70	121.90
Current Input	MCA [A]	190.00 (MCA)	195.00 (MCA)
	MFA [A]	225.00	225.00
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.25	3.24
Compressor	Type	SSC Scroll x 6	SSC Scroll x 6
	Output [kW x n]	(6.39x2) + (7.81x2)x2	(6.76x2) + (7.81x2)x2
	Model Name	DS-GB066FAVB x 2 + DS4GJ5080FVA x 4	DS-GB070FAVA x 2 + DS4GJ5080FVA x 4
Fan	Type	Propeller	Propeller
	Output x n [W]	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate [CMM]	320 + 340 x 2	340 x 3
	External Static Pressure [mmAq]	8.00	8.00
	External Static Pressure [Pa]	78.45	78.45
Piping Connections	Liquid Pipe [Φ, mm]	22.22	22.22
	Liquid Pipe [Φ, inch]	7/8"	7/8"
	Gas Pipe [Φ, mm]	53.98	53.98
	Gas Pipe [Φ, inch]	2 1/8"	2 1/8"
	Installation Limitation [Max Length] [m]	200	200
	Installation Limitation [Max Height] [m]	110.0	110.0
Sound	Sound Pressure [dB(A)]	73.0	74.0
	Sound Power [dB(A)]	94.0	95.0
External Dimension	Net Weight [kg]	330.0 + 342.0 x 2	335.0 + 342.0 x 2
	Shipping Weight [kg]	352.0 + 364.0 x 2	357.0 + 364.0 x 2
	Net Dimensions (WxHxD) [mm]	(1,295 x 1,795 x 765) x 3	(1,295 x 1,795 x 765) x 3
	Shipping Dimensions (WxHxD) [mm]	(1,363 x 1,987 x 832) x 3	(1,363 x 1,987 x 832) x 3
Operating Temp. Range	Cooling [°C]	-5.0 - 48.0	-5.0 - 48.0

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

DVM S (Heat Recovery)



Model Code		AM080FXVAGR/EU	AM100FXVAGR/EU	AM120FXVAGR/EU
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 Recovery	Heat Recovery	Heat Recovery
	HP	8	10	12
Capacity	Cooling [kW]	22.4	28	33.6
	Heating [kW]	25.2	31.5	37.8
Power Input (Nominal)	Cooling [kW]	5.0	6.8	8.4
	Heating [kW]	5.1	6.7	8.7
Current Input (Nominal)	Cooling [A]	8.0	10.9	13.5
	Heating [A]	8.2	10.7	14
	Minimum Ssc [MVA]	3.3	-	5.3
	MCA [A]	18.0	21.1	25.0
	MFA [A]	25.0	32.0	32.0
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	4.48	4.12	4.00
	COP (Nominal Heating) [kW/kW]	4.94	4.70	4.34
	ESEER [W/W]	7.85	7.25	7.03
Heat Exchanger	Type	Fin & Tube	Fin & Tube	Fin & Tube
	Material Fin	Al	Al	Al
	Material Tube	Cu	Cu	Cu
	Fin Treatment	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Output [kW x n]	5.18 x 1	6.39 x 1	6.39 x 1
	Model Name	DS-GB052FAV* x 1	DS-GB066FAV* x 1	DS-GB066FAV* x 1
Fan	Type	Propeller	Propeller	Propeller
	Air Flow Rate [m ³ /min]	173.00	173.00	210.00
	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 [Type]	Braze connection	Braze connection	Braze connection
	Liquid Pipe [Ø, mm inch]	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)
	Gas Pipe [Type]	Braze connection	Braze connection	Braze connection
	Gas Pipe [Ø, mm inch]	19.05 (3/4)	22.22 (7/8)	28.58 (1-1/8)
	High pressure Gas Pipe (HR Only) [Type]	Braze connection	Braze connection	Braze connection
High pressure Gas Pipe (HR Only) [Ø, mm inch]	15.88 (5/8)	19.05 (3/4)	19.05 (3/4)	
Sound	Pressure (Cooling) [dB(A)]	57	58	62
	Pressure (Heating) [dB(A)]	59	60	64
	Sound Power [dB(A)]	77	79	81
External Dimension (Outdoor Unit)	Net Weight [kg]	189.5	189.5	189.5
	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]	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0

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- 1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19o C WB / Outdoor temperature : 35° C DB
- 2) Nominal heating capacities are based on: Indoor temperature : 20° C DB, 15o C WB / Outdoor temperature : 7° C DB, 6° C WB
- 3) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
- 4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

DVM S (Heat Recovery)



Model Code		AM140FXVAGR/EU	AM160FXVAGR/EU	AM180FXVAGR/EU
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 Recovery	Heat Recovery	Heat Recovery
	HP	14	16	18
Capacity	Cooling [kW]	40	45	50.4
	Heating [kW]	45	50.4	56.7
Power Input (Nominal)	Cooling [kW]	8.9	11.0	12.9
	Heating [kW]	9.5	11.5	11.9
Current Input (Nominal)	Cooling [A]	14.3	17.6	20.7
	Heating [A]	15.2	18.4	19.1
	Minimum Ssc [MVA]	5.3	6.8	7.6
	MCA [A]	25.0	32.0	39.1
	MFA [A]	32.0	40.0	50.0
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	4.49	4.09	3.91
	COP (Nominal Heating) [kW/kW]	4.74	4.38	4.76
	ESEER [W/W]	7.02	6.78	6.59
Heat Exchanger	Type	Fin & Tube	Fin & Tube	Fin & Tube
	Material Fin	Al	Al	Al
	Material Tube	Cu	Cu	Cu
	Fin Treatment	Anti-corrosion	Anti-Corrosion	Anti-Corrosion
Compressor	Output [kW x n]	6.39 x 1	5.18 x 2	6.39 x 2
	Model Name	DS-GB066FAV* x 1	DS-GB052FAV* x 2	DS-GB066FAV* x 2
Fan	Type	Propeller	Propeller	Propeller
	Air Flow Rate [m ³ /min]	226.00	250.00	270.00
	External Static Pressure (Max) [mmAq]	8.00	8.00	8.00
	External Static Pressure (Max) [Pa]	78.45	78.45	78.45
Fan Motor	Type	BLDC Motor	BLDC Motor	BLDC Motor
	Output [W x n]	620 x 2	620 x 2	620 x 2
Piping Connections	Liquid Pipe [Type]	Braze connection	Braze connection	Braze connection
	Liquid Pipe [Ø, mm inch]	12.70 (1/2)	12.70 (1/2)	15.88 (5/8)
	Gas Pipe [Type]	Braze connection	Braze connection	Braze connection
	Gas Pipe [Ø, mm inch]	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
	High pressure Gas Pipe (HR Only) [Type]	Braze connection	Braze connection	Braze connection
High pressure Gas Pipe (HR Only) [Ø, mm inch]	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	
Sound	Pressure (Cooling) [dB(A)]	61	63	64
	Pressure (Heating) [dB(A)]	63	65	66
	Sound Power [dB(A)]	81	83	86
External Dimension (Outdoor Unit)	Net Weight [kg]	239	282	304
	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]	-15.0 ~ 48.0	-15.0 ~ 48.0	-15.0 ~ 48.0
	Heating [°C]	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

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

- 1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19o C WB / Outdoor temperature : 35° C DB
- 2) Nominal heating capacities are based on: Indoor temperature : 20° C DB, 15o C WB / Outdoor temperature : 7° C DB, 6° C WB
- 3) Sound level was acquired in an anehonic room. Thus actual noise level may be different depending on the installation conditions.
- 4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

DVM S HR

SPECIFICATION

DVM S (Heat Recovery)

Model Code	AM200FXVAGR/EU	AM220FXVAGR/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	3,4,380-415,50
System Mode	Heat Recovery	Heat Recovery
Capacity	HP	20
	22	
Cooling [kW]	56	61.6
	Heating [kW]	63
Power Input (Nominal)	Cooling [kW]	15.2
	Heating [kW]	13.9
Current Input (Nominal)	Cooling [A]	24.4
	Heating [A]	22.3
	Minimum Ssc [MVA]	8.1
	MCA [A]	42.5
	MFA [A]	63.0
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.69
	COP (Nominal Heating) [kW/kW]	4.53
	ESEER [W/W]	6.56
Heat Exchanger	Type	Fin & Tube
	Material Fin	Al
	Material Tube	Cu
	Fin Treatment	Anti-Corrosion
Compressor	Output [kW x n]	6.39 x 2
	Model Name	DS-GB066FAV* x 2
Fan	Type	Propeller
	Air Flow Rate [m ³ /min]	275.00
	External Static Pressure (Max) [mmAq]	8.00
Fan Motor	External Static Pressure (Max) [Pa]	78.45
	Type	BLDC Motor
Piping Connections	Output [W x n]	620 x 2
	Liquid Pipe [Type]	Braze connection
	Liquid Pipe [Ø, mm inch]	15.88 (5/8)
	Gas Pipe [Type]	Braze connection
	Gas Pipe [Ø, mm inch]	28.58 (1-1/8)
Sound	High pressure Gas Pipe (HR Only) [Type]	Braze connection
	High pressure Gas Pipe (HR Only) [Ø, mm inch]	28.58 (1-1/8)
	Pressure (Cooling) [dB(A)]	65
External Dimension (Outdoor Unit)	Pressure (Heating) [dB(A)]	67
	Sound Power [dB(A)]	87
Operating Temp. Range	Net Weight [kg]	304
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765
Cooling [°C]	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765
	Heating [°C]	-15.0 ~ 48.0
		-15 ~ 48
		-25 ~ 24

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

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

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

4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

DVM S ECO

SPECIFICATION

DVM S ECO

Model Code	AM040KXMDEH/EU	AM050KXMDEH/EU	AM040FXMDEH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Capacity	HP	4	5
	4		
Cooling [kW]	12.1	14.0	12.1
	Cooling [Btu/hr]	41,200	48,000
Maximum number of connectible indoor units [ea]	6	8	6
Power Input (Nominal)	Cooling [kW]	3.60	4.00
	3.60		
Cooling [A]	17.5	19.5	14.0
	Heating [A]	24.0	27.0
Current Input (Nominal)	MCA [A]	32.0	40.0
	MFA [A]	32.0	40.0
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	3.36	3.50
	3.36		
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Output [kW x n]	4.12	4.12
	Model Name	UG5T450FUEJX	UG5T450FUEJX
Fan	Type	Propeller	Propeller
	Output x n [W]	125 x 1	139 x 1
	Air Flow Rate [CMM]	64.00	70.00
	External Static Pressure (Max) [mmAq]	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40
	Liquid Pipe [Ø, mm]	9.52	9.52
Piping Connections	Gas Pipe [Ø, mm]	15.88	15.88
	Gas Pipe [Ø, inch]	5/8	5/8
	Installation Limitation [Max Length]	50	50
Sound	Installation Limitation [Max Height]	30	30
	Sound Pressure [dB(A)]	52	55
External Dimension (Outdoor Unit)	Net Weight [kg]	79	83.5
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 998 x 330
Operating Temp. Range	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 1,210 x 330
	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0
			-5.0 ~ 48.0

DVM S ECO

Model Code	AM040FXMDGH/TK	AM050FXMDEH/TK	AM050FXMDGH/TK
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	3,4,380-415,50	1, 2, 220-240, 50	3,4,380-415,50
Capacity	HP	4	5
	4		
Cooling [kW]	12.1	14.0	14.0
	Cooling [Btu/hr]	41,200	47,800
Maximum number of connectible indoor units [ea]	6	8	8
Power Input (Nominal)	Cooling [kW]	2.99	3.69
	2.99		
Cooling [A]	4.8	17.9	6.2
	Heating [A]	10.0	24.0
Current Input (Nominal)	MCA [A]	20.0	32.0
	MFA [A]	20.0	32.0
Energy Efficiency Ratio	EER (Nominal Cooling) [kW/kW]	4.05	3.79
	COP (Nominal Heating) [kW/kW]	4.47	4.43
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Output [kW x n]	4.12	4.12
	Model Name	UG5T450FUEJXSG	UG5T450FUEJXSG
Fan	Type	Propeller	Propeller
	Output x n [W]	125 x 2	125 x 2
	Air Flow Rate [CMM]	100.00	100.00
	External Static Pressure (Max) [mmAq]	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40
	Liquid Pipe [Ø, mm]	9.52	9.52
Piping Connections	Gas Pipe [Ø, mm]	15.88	15.88
	Installation Limitation [Max Length]	150	150
	Installation Limitation [Max Height]	50	50
Sound	Sound Pressure [dB(A)]	50	51
	Net Weight [kg]	100	100
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330	940 x 1,210 x 330
	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330	940 x 1,210 x 330
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0
			-5.0 ~ 48.0

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

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

* The maximum height of installation limitation for piping connections is only allowable when using PDM kits. PDM kit: Pressure Drop Modulation kit

* MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

DVM S ECO

SPECIFICATION



DVM S ECO

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



DVM S ECO

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

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

DVM S ECO

SPECIFICATION



DVM S ECO Anti Corrosion

Model Code	AM040MXMKKC/EA	AM050MXMKKC/EA
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50/60	1,2,220-240,50/60
Capacity	HP	4.00
	Cooling [kW]	10.99
	Cooling [Btu/hr]	37,500
Power Input	Cooling [kW]	2.80
	Cooling [A]	13.50
Current Input (Nominal)	Heating [A]	-
	MCA [A]	22.00 (MCA)
	MFA [A]	32.00
COP	Nominal Cooling 1)	3.93
	Nominal Heating 2)	-
Compressor	Type	Twin BLDC Rotary x 1
	Output [kW x n]	(4.12)
	Model Name	UG5T450FUEJXSG x 1
Fan	Type	Propeller / BLDC
	Air Flow Rate [CMM]	60
	Air Flow Rate [l/s]	1,000.00
	External Static Pressure (Max) [mmAq]	-
	External Static Pressure (Max) [Pa]	-
	Liquid Pipe [Ø, mm]	9.52
Piping Connections	Gas Pipe [Ø, mm]	15.88
	Installation Limitation [Max Length]	70
	Installation Limitation [Max Height]	30.0
Sound	Sound Pressure [dB(A)]	50.0
	Net Weight [kg]	76.0
External Dimension (Outdoor Unit)	Shipping Weight [kg]	79.0
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330
	Shipping Dimensions (WxHxD) [mm]	995 x 1,136 x 426
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0
	Heating [°C]	-



DVM S ECO Anti Corrosion

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

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

DVM CHILLER

SPECIFICATION



DVM CHILLER (Without Pump)

Model Code	AG042KSVANH	AG056KSVANH	AG070KSVANH
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
Capacity	HP [kW]	15	20
	Ton [usRT]	12	16
	Cooling (Min/Std/Max) [kW]	42	56
	Heating (Min/Std/Max) [kW]	42	56
Power Input (Nominal)	Cooling [kW]	12.35	18.67
	Heating [kW]	11.83	17.5
Current Input (Nominal)	Cooling [A]	19.6	29.6
	Heating [A]	18.8	27.8
Power	MCA [MVA]	7.094	7.094
	MCA [A]	32.0	46.0
	MFA [A]	40.0	60.0
Heat Exchanger	EER (Nominal Cooling)	3.40	3.00
	COP (Nominal Heating)	3.55	3.20
	ikW/RT [kW/RT]	1.03	1.17
Compressor	Type	Inverter Scroll	Inverter Scroll
	Output [kW x n]	6.76 x 2	6.76 x 2
	Model Name	DS-GB070FAVA	DS-GB070FAVA
Fan	Type	Propeller	Propeller
	Quantity [ea]	2	2
	Air Flow Rate [CMM]	364 (182 x 2)	364 (182 x 2)
	External Static Pressure Max [mmAq]	8.00	8.00
	External Static Pressure Max [Pa]	78.50	78.50
	Fan Motor Type	BLDC Motor	BLDC Motor
Waterside Heat Exchanger	Type	Brazing Plate	Brazing Plate
	Water Flow Rate (Cooling / Heating) [LPM]	120 / 120	160 / 160
	Water Pressure Drop (Set. Nominal) [kPa]	60	100
	Max. Operating Pressure [MPA]	1.0	1.0
	Connection Type	Flange	Flange
	Pipe Connections Inlet / Outlet [Ø, mm]	40	40
	Pipe Connections Inlet / Outlet [Ø, inch]	1 1/2	1 1/2
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]	-	-
Sound	Pressure Cooling [dB(A)]	60	62
	Pressure Heating [dB(A)]	57	59
	Power [dB(A)]	80	83
External Dimension	Net Weight [kg]	446	446
	Net Dimension (WxHxD) [mm]	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
	Cooling (if using brine) [°C]	-10.0 ~ 25.0	-10.0 ~ 25.0
	Heating [°C]	25.0 ~ 55.0	25.0 ~ 55.0
Operating Water Flow Range	Water Flow Rate [LPM]	60 ~ 240	80 ~ 320
	Minimum Water Storage in the System [L]	294	392
Operating Temperature Range	Cooling [°C]	-15.0 ~ 48.0	-15.0 ~ 48.0
	Heating [°C]	-25.0 ~ 43.0	-25.0 ~ 43.0

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 1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19o C WB / Outdoor temperature : 35° C DB
 2) Nominal heating capacities are based on: Indoor temperature : 20° C DB, 15o C WB / Outdoor temperature : 7° C DB, 6° C WB
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.



DVM CHILLER

SPECIFICATION



DVM CHILLER (With Pump)

Model Code	AG042KSVGNH	AG056KSVGNH	AG070KSVGNH
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
Capacity	HP [kW]	15	20
	Ton [usRT]	12	16
	Cooling (Min/Std/Max) [kW]	42	56
	Heating (Min/Std/Max) [kW]	42	56
Power Input (Nominal)	Cooling [kW]	13.59	20.14
	Heating [kW]	12.77	18.48
Current Input (Nominal)	Cooling [A]	24.2	34.2
	Heating [A]	23.4	32.4
Power	MCA [MVA]	8.078	11.172
	MCA [A]	39.0	53.0
	MFA [A]	50.0	60.0
Heat Exchanger	EER (Nominal Cooling)	3.09	2.78
	COP (Nominal Heating)	3.29	3.03
	ikW/RT [kW/RT]	1.13	1.26
Compressor	Type	Inverter Scroll	Inverter Scroll
	Output [kW x n]	6.76 x 2	6.76 x 2
	Model Name	DS-GB070FAVA	DS-GB070FAVA
Fan	Type	Propeller	Propeller
	Quantity [ea]	2	2
	Air Flow Rate [CMM]	364 (182 x 2)	364 (182 x 2)
	External Static Pressure Max [mmAq]	8.00	8.00
	External Static Pressure Max [Pa]	78.50	78.50
	Fan Motor Type	BLDC Motor	BLDC Motor
Waterside Heat Exchanger	Type	Brazing Plate	Brazing Plate
	Water Flow Rate (Cooling / Heating) [LPM]	120 / 120	160 / 160
	Water Pressure Drop (Set. Nominal) [kPa]	60	100
	Max. Operating Pressure [MPA]	1.0	1.0
	Connection Type	Flange	Flange
	Pipe Connections Inlet / Outlet [Ø, mm]	40	40
	Pipe Connections Inlet / Outlet [Ø, inch]	1 1/2	1 1/2
Pump	Type	End Suction	End Suction
	Input x n [kW]	1.68	1.68
	Output x n [W]	1.45	1.45
	Nominal Water Flow Rate [LPM]	120 / 120	120 / 120
	Nominal Water Flow Rate [l/s]	2.0 / 2.0	2.7 / 2.7
	External Static Pressure Max [mAq]	22.4 / 22.4	15.3 / 15.3
	External Static Pressure Max [kPa]	220 / 220	150 / 150
Sound	Pressure Cooling [dB(A)]	60	62
	Pressure Heating [dB(A)]	57	59
	Power [dB(A)]	80	84
External Dimension	Net Weight [kg]	472	472
	Net Dimension (WxHxD) [mm]	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
	Cooling (if using brine) [°C]	-10.0 ~ 25.0	-10.0 ~ 25.0
	Heating [°C]	25.0 ~ 55.0	25.0 ~ 55.0
Operating Water Flow Range	Water Flow Rate [LPM]	60 ~ 240	80 ~ 320
	Minimum Water Storage in the System [L]	294	392
Operating Temperature Range	Cooling [°C]	-15.0 ~ 48.0	-15.0 ~ 48.0
	Heating [°C]	-25.0 ~ 43.0	-25.0 ~ 43.0

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 2) Nominal heating capacities are based on: Indoor temperature : 20° C DB, 15o C WB / Outdoor temperature : 7° C DB, 6° C WB
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 4) MCA : Minimum Circuit Amps, MFA: Maximum Fuse Amps.

