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BENGALURU	080-66595124
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Samsung System Air Conditioner

SAMSUNG

Samsung System Air Conditioner

Create ideal air conditioning in any environment with a personalized heating and cooling solution

SAMSUNG

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Samsung System Air Conditioner

Adopt air conditioning solutions from a trusted brand

At Samsung, our focus is on providing smart solutions for better business and a higher quality of life. We imagine all sorts of innovative ways to improve how homes and businesses function and to help them run smoothly.

We are proud to say our Samsung brand is recognized as one of the world's leading intuitive product design companies, and one of the world's top electronics producers. Samsung system air conditioners have been designed with the same passion for innovation and quality that has helped make Samsung one of Interbrand's 2014 Best Global Brands*.

As such, Samsung system air conditioners are held in high esteem around the world and have been selected for a multitude of applications, including shopping centers, airports, stadiums and hotels. And in constant pursuit of excellence, we continue to invest heavily in research and development, performance testing and quality control to deliver superior air conditioning systems to market.

Control the atmosphere with smart, efficient technology

Samsung system air conditioners provide the best in performance and efficiency to ensure that residential and commercial environments are perfectly having a specified temper, healthy and comfortable—all while conserving costs. Our intelligent, high-capacity air conditioning systems offer just the right solution for any application.

Energy-efficient, eco-friendly technology

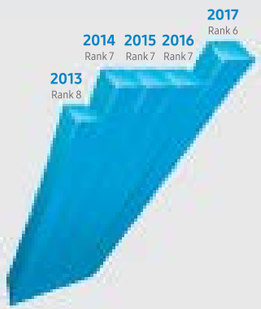
Samsung is committed to providing eco-friendly air conditioners and air solutions that help prevent global warming and contribute to resolving energy shortages. Using components such as eco-friendly R-410A refrigerant and smart inverter technology, Samsung air conditioners reduce air pollution and provide comfortable cooling with minimal power consumption, saving the environment and costs.

Reliable performance

Reliability is a key factor when choosing an air conditioning system. With their robust design, Samsung system air conditioners offer the strength and reliability to ensure consistent performance at all times. Their perfectly synchronized parts offer balanced operation for improved durability and longevity. Furthermore, weather resistance keeps the units operating even in adverse temperatures.

Exceptional design and innovation

Samsung system air conditioners are lauded industry-wide for their innovative technology and exquisitely beautiful, yet high-functioning design. From prestigious institutions and exhibitions across the globe, Samsung units have garnered copious awards, including the Galeria de Innovacion Award, iF Product Design Award, Comfort & Design Award, and Good Design Award.



Best Global Brand*

*Results based on market analysis conducted by Interbrand.

DVM S
Smart Efficiency For Large Buildings

Optimize 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 in the market. This ideal air conditioning system accommodates all variable environments, including large commercial or residential buildings.

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

- **The world's largest capacity (30HP):** Experience the ultimate heating and cooling capacity while optimizing space with an efficiently sized design.
- **Improved heating performance:** Enhance airflow with smarter, more efficient heating technology to 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 performance.
- **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
Smart Efficiency For Large Buildings

DVM S is a highly innovative system that adopts the new 3rd generation SSC (Samsung Scroll Compressor) technology. With its Dual Smart Inverter, DVM S provides world-class energy efficiency and the most powerful cooling and heating performance. This is a flexible air conditioning system that suits different environments including large buildings.

Innovative technology

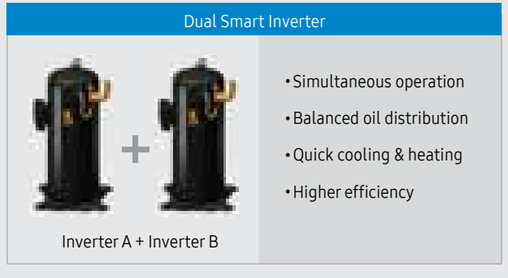
Samsung is dedicated to supporting comfortable living based on the strength of its technologies. Rely on Samsung air conditioners not only for convenience but also to enrich your life.

3rd generation technology

Samsung's new 3rd generation technology adopts dual inverter compressors and an upgraded flash injection system which surpasses the performance of previous versions of the system. This optimizes energy efficiency, providing energy savings.

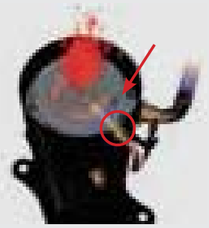
Dual Smart Inverter

The innovative Dual Smart Inverter has both compressors operating simultaneously. It provides balanced oil distribution, quick cooling and heating, and better energy efficiency.



3rd generation flash injection system

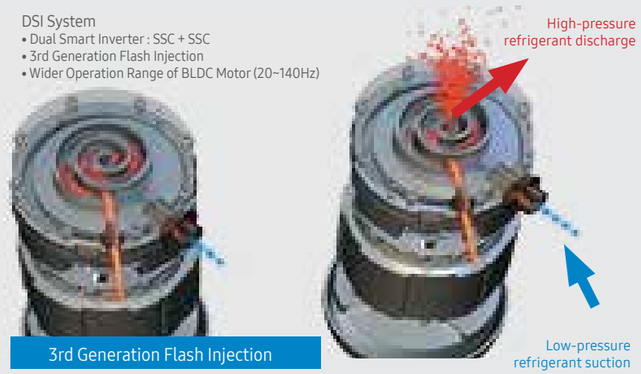
Upgraded flash injection system within the compressor increases the refrigerant flow rate by up to 32% compared to the conventional products.



Dual Smart Inverter (DSI) System

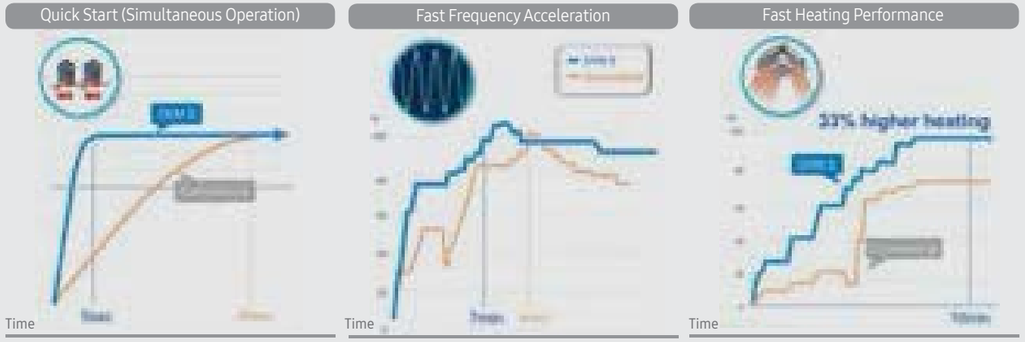
The 3rd generation innovative system, DSI, adopts a dual inverter compressor that upgrades refrigerant flow and the motor's operating performance. This unique DSI achieves unsurpassed energy efficiency.

DSI System
- Dual Smart Inverter : SSC + SSC
- 3rd Generation Flash Injection
- Wider Operation Range of BLDC Motor (20~140Hz)



Quick cooling and heating

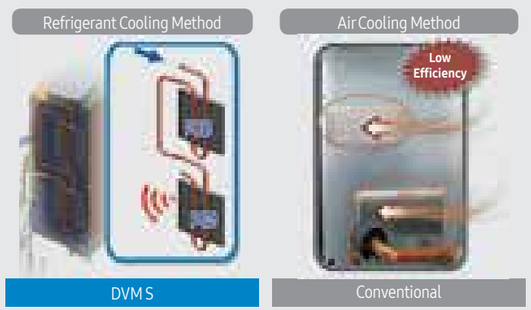
With compressor speed acceleration and simultaneous starting, DVM S provides quick cooling and heating performance.



- Based on Samsung Internal Lab Analysis

Refrigerant cooling system

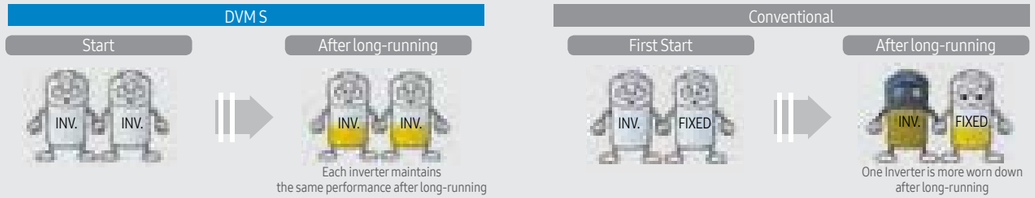
Using refrigerant cooling system, DVM S ensures better stability than conventional air cooling systems.



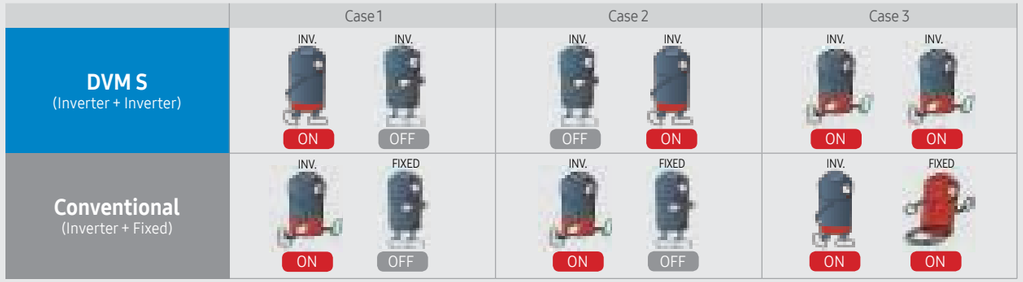
DVM S
Smart Efficiency For Large Buildings

Enhanced compressor durability

In the conventional system composed of inverter and fixed compressors, one compressor operates longer than the other which results in one compressor wearing down faster. This in fact decreases compressor durability and life span. However in DVM S' DSI system, each compressor operates in unison with the other so the overall compressor durability is preserved for a longer time.



Thanks to fine capacity control, the DSI (Dual Smart Inverter) responds to subtle indoor load changes, which allows you to save on energy costs.



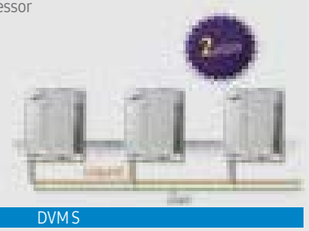
Large oil storage capacity

with large oil storage and low OCR, DVM S can secure reliability even in case of installation with long piping and high elevation.

Auto oil balancing

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

- Inverter + Inverter Compressor
- No oil balance pipe



DVM S

- Fixed + Inverter Compressor
- Oil unbalance
- → Balance Pipe is necessary

Conventional

DVM S 30HP
The World's Largest Capacity

World's largest capacity

The world's largest and most compact DVM is also powerful and highly energy efficient. So you can save costs and space, while providing more reliable coverage across larger areas.

More choice of capacity, 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.

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.

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.

Innovative design of tripod

Diagnonal 2 types of Fins (Corrugate + Slit)

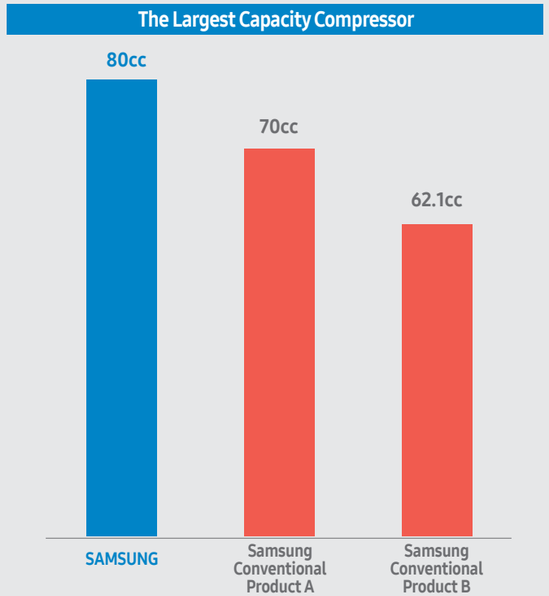
DVM S 30HP
Innovative Technology

Advanced performance and energy efficiency

Its advanced technology radically improves performance and reduces energy wastage. It includes a highly efficient Inverter Scroll Compressor, an innovative Hybrid Heat Exchanger and a large capacity diffuser.

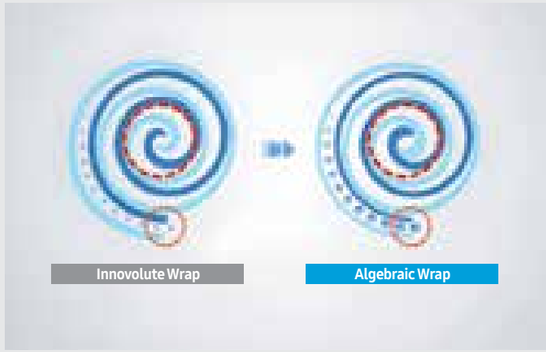
Increased volume of compressor

Samsung has developed the outdoor unit with featuring one of the world's largest 80cc/rev compressor.



Asymmetric algebraic scroll

DVM S applies a fluid, asymmetric algebraic scroll design that minimizes compression loss and maximizes performance during refrigerant compression. Compared with the involute, the scroll design is thickened toward the center, thus enabling higher efficiency.



Instant shut off and gas leak protection*

There's no need to worry about gas leaks or the accidental loss of refrigerant. A gas leak operation system quickly detects and automatically takes the pump a step down, and cuts off the refrigerant supply.

* This needs additional equipment like DDA Controller + DMS

DVM S
Improved Heating Performance

Enhance temperature control with more intelligent and efficient heating operation

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

Auto snow blowing

Snow that accumulates and covers the outdoor units during the winter must be removed from units to operate properly. If the external temperature drops under 5°C, the auto snow-blowing function operates every 30 minutes, which might cause excess energy loss. But with the upgraded snow-detecting sensor, DVM S can detect the amount of snowfall and operate the snow-blowing function only if snowfall is detected for two consecutive minutes. This improved detection prevents unnecessary operation for reduced energy consumption and costs.

Improved flash injection

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

- Based on Samsung Internal Lab Analysis

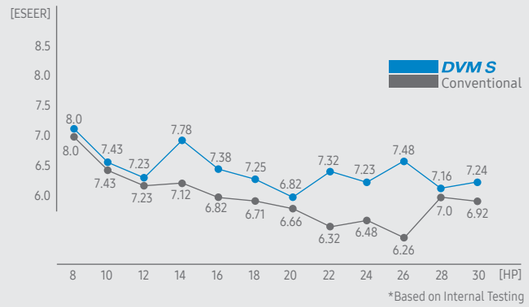
Intelligent defrost

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. More precise defrost judgement 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.

DVM S
High Energy Efficiency

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

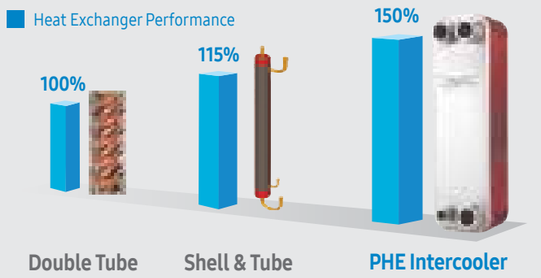
Samsung DVM S features several smart technologies that combined deliver world-class energy efficiency and economy. With these technologies, DVM S boasts a superior 6 percent* higher European Seasonal Energy Efficiency Ratio (ESEER) than conventional model. Samsung DVM S was recognised by Eurovent, an independent testing organization, for its world-first cooling and heating performance and efficiency.



*Based on Internal Testing

Reduce maintenance and energy costs with intercoolers

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

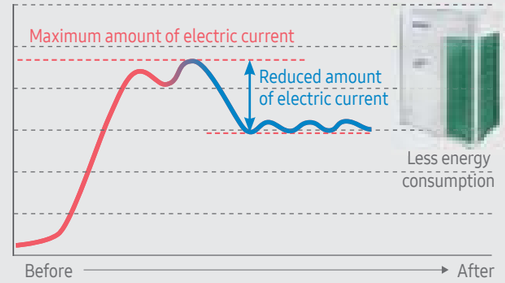


-Based on internal research

Limit power consumption with peak-demand control

To help businesses better manage power consumption and related costs, 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.

Before and after peak power-demand control

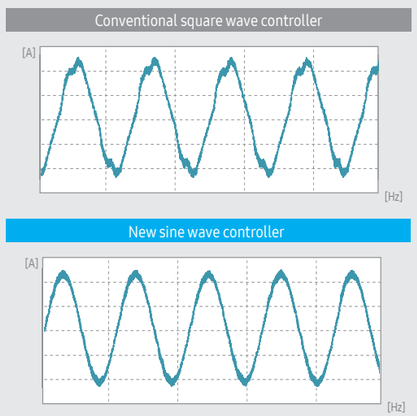


Prevent energy waste with quick cooling and heating

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

Adaptive Sine Wave Control

Adaptive sine wave control can reduce Total Harmonic Distortion (THP). Therefore DVM S doesn't need to use shield wiring for communication.



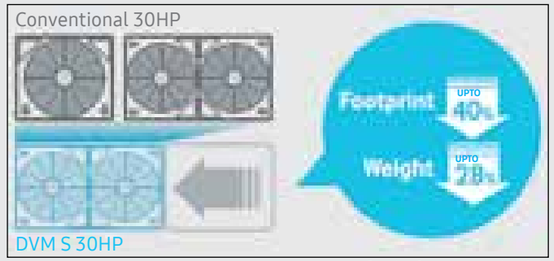
DVM S
Flexible Installation

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, safer wiring work, because the outdoor unit protects itself if the communication cable is mistakenly connected to a power terminal.

Lower setup costs with a smaller footprint and lighter weight

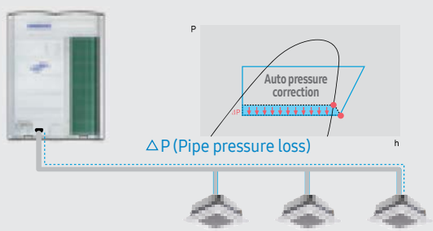
At 30 horsepower (HP), the large-unit capacity of DVM S facilitates economical installation with a smaller footprint and lighter weight—an ideal solution for larger buildings.



- Based on Samsung Internal Analysis

Optimised 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.

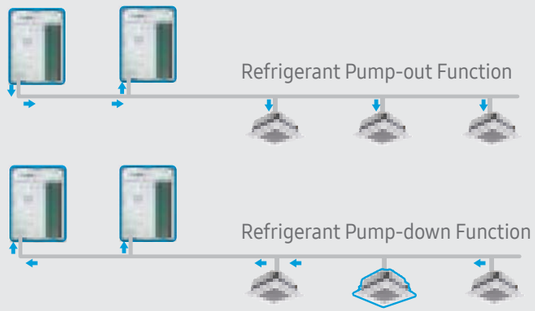


Install flexibly with extended pipe length and elevation

DVM S provides extended piping length of up to 220 m, and installation height of up to 110 m, 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.

Refrigerant pump-down and pump-out

DVM S provides refrigerant pump-down and pump-out functionality to simplify unit replacement, and ease additional installations and maintenance. When the outdoor unit requires maintenance, the refrigerant can recover into outdoor units and pipes. The refrigerant can also recover into outdoor units when moving indoor units or maintaining pipes.



DVM S
Year-Round Climate Control

Make residents feel at home with an advanced operating system and flexible temperature control

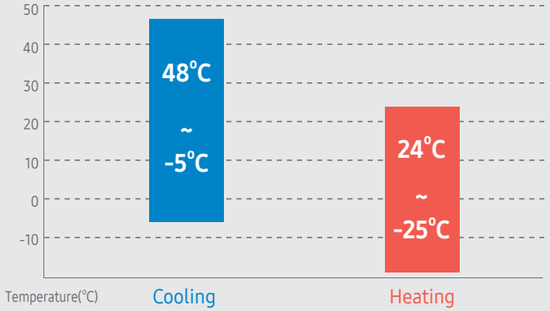
Samsung DVM S is the best solution for residential buildings requiring a flexible, efficient and reliable air conditioning system. Smart Discharge Temperature Control enables operators to control the temperature without changing the outdoor unit's setting. Instead, each duct has an indoor discharge temperature control function to provide year-round comfort, whether in cooling or heating operation mode.

Minimize night-time noise

A new Night Silent Control feature includes a timer and external contact interface module, which allow users to set the time they want to minimize noise. With the upgraded Night Silent Control feature, users can manage the noise control function when they want using the external controller.

Weather a wide range of outdoor temperatures comfortably

No matter how extreme the temperature, the high-performing DVM S can handle the condition—without the need for an additional unit. Featuring a wide temperature allowance, it can cool in heat of up to 48°C and provide warmth in the freezing cold of up to - 25°C to ensure a constant and comfortable home environment.



DVM S
Smart Management

Monitor and resolve system issues remotely with a smart management system

DVM S features a smart, web-based management system for the ultimate in convenient management. The advanced system facilitates self-diagnosis, auto trial operations and mobile data transmissions, which users can easily access and monitor via the web-based tool.

System oversight from anywhere

With Wi-Fi S-Checker, users can access the system via their smartphone, tablet or PC to monitor operation status or data anytime and anywhere. 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.

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.

Automatic data backup

If a malfunction occurs, DVM S automatically backs up the last 30 minutes of operation data to ease the repair and recovery process.

S-NET Pro

Control your cooling anywhere

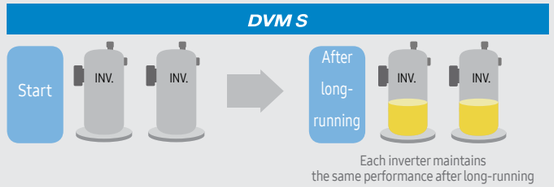
An optional Wi-Fi Kit lets you remotely control up to 16 indoor units using an app*. You can turn them on and off anytime and anywhere, select the operating mode and temperature, and utilize their other functions.

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

DVM S
Reliable Performance and Durability

Extend compressor longevity with balanced operation

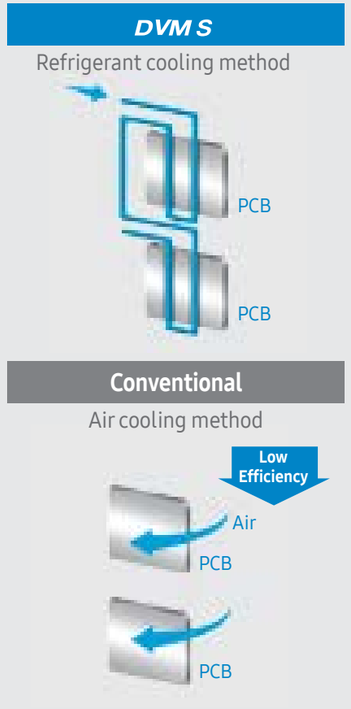
With conventional systems, one compressor operates longer than the other, which results in one compressor wearing down faster than the other. However, the DVM S DDI system offers balanced compressor operation for improved durability and longevity and lower replacement costs.



Each inverter maintains the same performance after long-running

Refrigerant cooling system

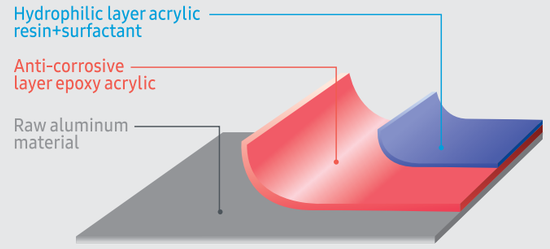
Outdoor unit performance is not affected by the ambient temperature. Using refrigerant cooling system, DVM S ensures better stability than conventional air cooling system.



Protect your investment with 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 units to resist corrosion from the elements, with:

- Epoxy acrylic coating
- Acrylic and surfactant coating



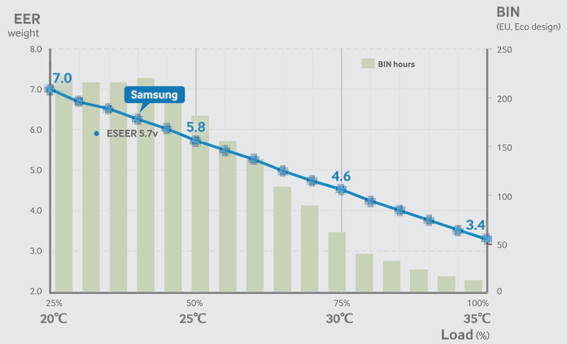
Corrosion resistant finishing on heat exchanger fin

DVM Chiller
Best of VRF and 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 or space savings or a balance of both.

Easy to move and install modular design
Its modular design and compact size reduces 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.

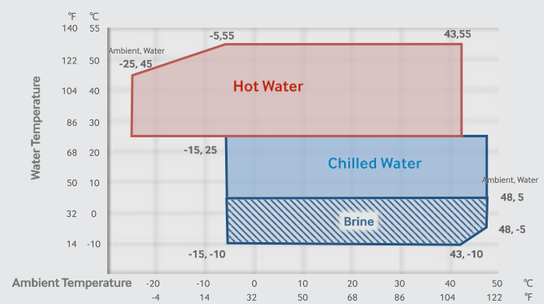
Advanced performance and energy efficiency
Its advanced technology delivers a consistently higher performance and reduces energy wastage. It has a highly efficient BLDC inverter compressor with flash injection technology and evaporative condenser.



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.

Works 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, and a better sound performance.

Wide operating range
Can be used for office, retail, hotels, hospital, education, and industrial process.



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.

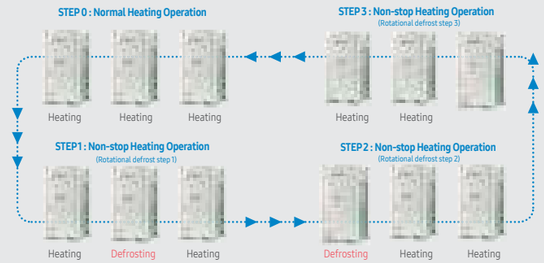
-Based on internal lab test

DVM S - Heat Recovery
Simultaneous Cooling and Heating

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 more agile operation through simultaneous cooling and heating.

Non-stop heating
DVM S 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 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
The Mode Change Unit (MCU) has an internal on/off valve that enables fine-tuned control via an electronic expansion valve (EEV) and sub-cooler. Improved performance and reduced noise create a pleasant temperature-controlled environment.

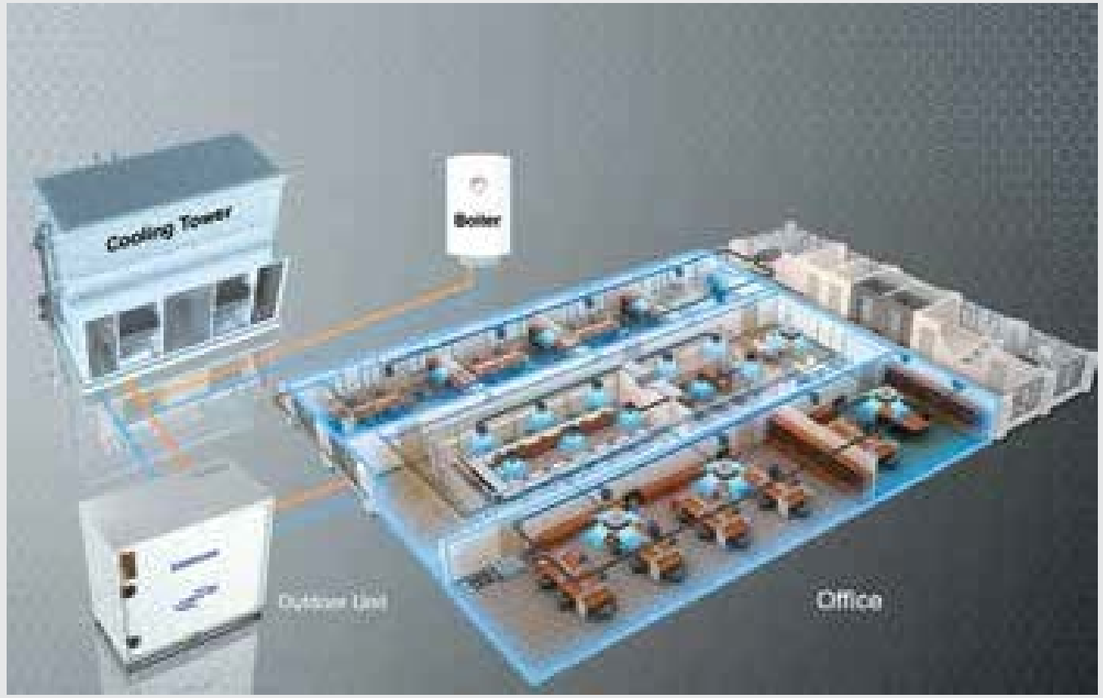
DVM S Water
Increased Energy Savings

Temper the indoor environment with innovative technology using water source for heating and cooling

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, DVM S Water provides effective and reliable performance despite changes in the surrounding environment. Its long piping and lightweight design also make it easy and economical to install almost anywhere.

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

- **Increased energy savings:** Save on energy consumption and costs with a dual inverter system and high-performance compressors.
- **Easy, flexible installation:** Ease installation and minimize effort with a lightweight design and 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.



DVM S Water
Increased Energy Savings

Enhance the atmosphere and control costs with high energy efficiency

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

Energy-efficient rapid heating and cooling

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

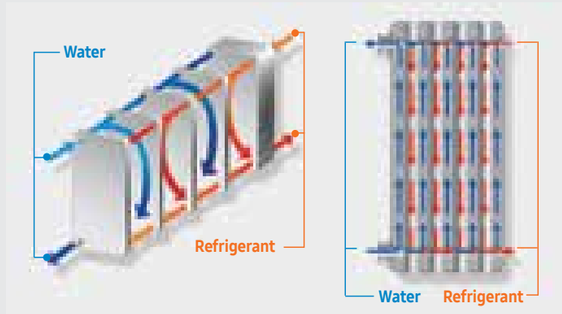
Independent cooling and heating

With the DVM S Water air conditioning system's optional Mode Control Unit (MCU), users can independently switch mode of 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.

*Based on Samsung Internal Lab Analysis

Decreased maintenance and energy costs

DVM S Water features advanced PHE technology, which improves heat exchange between refrigerant and water, thus improving the efficiency, lower foot print and benefit the environment.



Renewable energy source

Eco-friendly DVM S Water uses geothermal energy as a renewable heat source instead of a cooling tower and boiler, effectively supporting businesses' environmental and cost reduction initiatives.

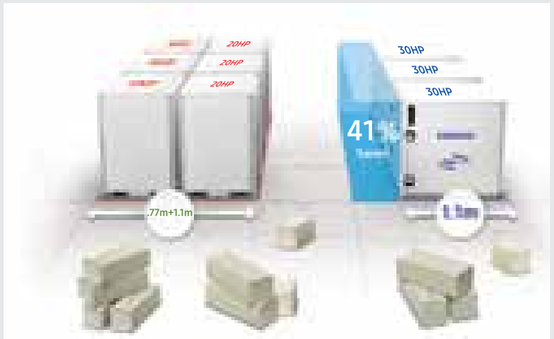
DVM S Water
Easy, Flexible Installation

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.

Economical design and setup

At 30 HP, the large-unit capacity of DVM S Water facilitates economical installation with a smaller footprint and lighter weight—an ideal solution for larger buildings.



- Based on Internal Analysis

Easy moving
- Use elevator for moving

Broad installation options

DVM S Water provides extended piping length of up to 170 m and installation height of up to 50 m, 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.

- Based on R&D Analysis

Louver-less installation

The DVM S Water air conditioning system's louver-less installation ensures that the outside of the building remains neat and tidy. Because the system cools with water, it eliminates the need to install an unsightly louver to allow air to circulate and to remove excess heat. Its streamlined operation supports easy installation inside a building without impacting the integrity of its architectural design.

DVM S Water
Convenient Management

Discover and resolve issues from anywhere with a smart management system

DVM S Water features a smart management system for the ultimate in convenient management. The advanced system facilitates around-the-clock system monitoring along with self-regulating water flow control to ensure peak operation at all times.

24-hour performance monitoring

A smart Auto Commissioning Management (ACM) function continually monitors operational performance and proactively signals any abnormal operation, so users can quickly address potential problems. And if a malfunction occurs, the last 30 minutes of operational data are stored for automatic backup. This lowers the maintenance cost of periodic inspections and ensures that the system is always operating. DVM S Water also features an application with built-in signal contacts to support BACnet, and LonWorks - two popular building management systems (BMS).

Ensure continuous comfort with reliable performance

Samsung DVM S Water is dedicated to supporting comfortable living and working environments based on the combined strengths of various technologies. Featuring central HVAC technology, DVM S Water delivers stable performance unaffected by the surrounding environment. And VRF technology optimizes comfort with individual zone control with on/off temperature setting, custom air flow rates and scheduling.

Minimal noise level

Because of its low noise level, DVM S Water won't disturb business or residential environments. Its water-cooled Plate Heat Exchanger eliminates the noise caused by an outdoor unit fan. In addition, the hermetically sealed compressor reduces any other noise produced.

Cost-effective water flow control

DVM S Water's built-in water flow controller helps regulate the amount of water used to cool and heat the outdoor unit. It determines the optimum flow of water based on the internal temperature of the space, economizing both the circulation pump's energy usage and costs. And because it's a standard option, businesses can eliminate the expense of purchasing a separate water flow control kit.

DVM S Eco

Experience ultimate comfort at home or work with powerful yet economical performance

The VRF-based Samsung DVM S Eco system air conditioner combines world-class energy efficiency and economy to deliver outstanding performance in a space-saving design. Supporting up to sixteen indoor units, DVM S Eco is a perfectly optimized cooling system for residences and smaller buildings. Its lightweight, small-scale build enables easy, low-cost installation, while its uniquely quiet design ensures soothing comfort and maximum efficiency. Plus, the DVM S Eco line offers a wide range of capacities to suit every need.

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

- **High-rate energy efficiency:** Save on energy consumption and operational costs with high-performance compressor technology.
- **Low noise level:** Enjoy a more peaceful home or work environment with quiet operation, thanks to a streamlined fan design.
- **Various installation options:** Ease installation and minimize effort with a small footprint and a variety of size options.

Big capacity. Big choice.

DVM S Eco has one of the world's largest capacity and most compact side-discharge outdoor unit, which also offers a high level of energy efficiency. It's ideal for homes or businesses that need plenty of coverage, but only have limited space.

Best in class capacity

DVM S Eco provides more coverage, but takes up less space. It has the largest capacity in its class of 14HP, enabling you to create a small footprint VRF solution. So it's ideal for installation in places with limited space.

Compact design for extra flexibility

DVM S Eco is 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.

Advanced performance & energy efficiency

Its advanced technology radically improves performance and reduces energy wastage. It includes an innovative Digital Inverter Compressor an optimized heat exchanger with corrugated fins and highly efficient fans.


Corrugated Fin


Inverter Scroll Compressor

Improved reliability in cold conditions

Featuring advanced refrigerant control technology, DVM S Eco's flash injection provides improved heating performance at -25°C. And it continues to perform even at lower temperatures, for reliable comfort when it's freezing.

Flexibly install it almost anywhere

DVM S Eco provides the flexibility to be installed almost anywhere, regardless of its location or distance from the building. It has a piping length of up to 160m and can reach up to a height of 50m.

DVM Outdoor Units Line Up

Side Discharge

Top Discharge

Heat Pump/Heat Recovery/Cooling only*

DVM Water

DVM Chiller

Specification
DVM Eco

4 ~ 5HP

4 ~ 14HP

- Top-class energy efficiency
- Small footprint and volume
- Flexible piping design
- Low noise level
- Reliable operation

Model Name				AM040KXMDEC/TL	AM050KXMDEC/TL	AM040FXMDEH/TL	AM050FXMDEH/TL	AM060FXMDEH/TL	AM060KXMDGH/TL	AM080MXMDGC/TL	AM080MXMDGH/TL	AM080FXMDGC/TL	AM080FXMDGH/TL	AM090FXMDGH/TL	AM100KXMDGH/TL	AM120KXMDGH/TL	AM140KXMDGH/TL
Capacity (HP)				4	5	4	5	6	6	8	8	8	8	9	10	12	14
Power Supply			Ø, V,Hz	1, 220-240, 50	1, 220-240, 50	1,220~240,50	1,220~240,50	1,220~240,50	3,380~415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	COOLING ONLY	COOLING ONLY	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	COOLING ONLY	HEAT PUMP	COOLING ONLY	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	4	5	4	5	6	6	8	8	8	8	9	10	12	14
	Capacity (Normal)	Cooling	kW	12.1	14.0	12.1	14.0	15.5	15.5	22.4	22.4	22.40	22.40	24.10	28.0	33.5	40.0
			Btu/h	41200	48000	41,300	47,800	52,900	52,900	76,400	76,400	76,400	76,400	82,200	95,500	114,300	136,500
		Heating	kW	-	-	13.5	16.0	18	18	-	22.4	-	25.00	26.00	31.5	37.5	45.0
			Btu/h	-	-	46,100	54,600	61,400	61,400	-	76,400	-	85,300	88,700	107,500	128,000	153,500
Power	Power Input (Nominal)	Cooling	kW	3.6	4.0	2.89	3.68	4.31	4.31	6.90	6.90	5.72	5.72	6.90	7.00	8.38	10.00
		Heating		-	-	3.02	3.61	4.39	4.39	-	5.80	-	4.88	5.34	6.17	7.50	9.57
	Current Input (Nominal)	Cooling	A	17.50	19.50	14.0	17.8	21	7.30	11.7	11.7	9.66	9.66	11.65	11.51	13.74	16.48
		Heating		-	-	15.10	17.2	20.2	6.90	-	9.5	-	8.24	9.01	10.38	12.23	15.55
	MCA			24	24	22	24	32	12	18.4	18.4	18.0	17.5	18	21.5	23.5	32.0
	MFA		A	32	32	30	30	40	16.10	25	25	25	25	25	30.0	30.0	40.0
COP	Nominal Cooling 1)		-	3.36	3.50	3.92	3.80	3.60	3.60	3.25	3.25	3.92	3.92	3.49	4.00	4.00	4.00
	Nominal Heating 2)		-	-	-	5.12	4.43	4.10	4.10	-	3.86	-	5.12	4.87	5.11	5.00	4.70
Piping Connections	Liquid Pipe		Ø,mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52	12.7	12.7
	Gas Pipe		Ø,mm	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	22.22	28.58	28.58
	Installation Limitation	Max. Length	m	70	70 (80)	150(175)	150(175)	150(175)	150	100(130)	100(130)	100(130)	100	100	160	160	160
		Max. Height	m	30	30	50(40)	50(40)	50(40)	50	30	30	30	30	30	50	50	50
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure		dB(A)	52	55	50	51	53	53	59	59	56	56	59	58	59	62
External Dimension	Net Weight		kg	76	76	100	100	103	103	115	115	134	135	135	145	155	162
	Net Dimensions(WxHxD)		mm	(940 x 998 x 330)	(940 x 998 x 330)	(940 x 1210 x 330)	(940 x 1210 x 330)	(940 x 1210 x 330)	(940 x 1210 x 330)	(940x1420x330)	(940x1420x330)	(940 x 1,420 x 330)	(940 x 1,420 x 330)	(940 x 1,420 x 330)	(940x1630x460)	(940x1630x460)	(940x1630x460)
Operationg Temp. Range	Cooling		ºC	-5 ~ 52	-5 ~ 52	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 52	-5 ~ 52	-5 ~ 52
	Heating		ºC	-	-	-20 ~ 26	-20 ~ 26	-20 ~ 26	-20 ~ 26	-	-20 ~ 24	-	-20 ~ 24	-20 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

Note: -

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 differences : 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 a dead room. Thus actual noise level may be different depending on the installation conditions.

Combination Table:

Combination Table: Outdoor Units - Basic

System Model			Capacity of Single Unit (HP)									
Capa	Code	No. of Modules	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP
8HP	AM080FXVAGH/TL	1	1									
10HP	AM100FXVAGH/TL	1		1								
12HP	AM120FXVAGH/TL	1			1							
14HP	AM140FXVAGH/TL	1				1						
16HP	AM160FXVAGH/TL	1					1					
18HP	AM180FXVAGH/TL	1						1				
20HP	AM200FXVAGH/TL	1							1			
22HP	AM220FXVAGH/TL	1								1		
24HP	AM240HXVAGH/TL	1									1	
26HP	AM260HXVAGH/TL	1										1
28HP	AM280HXVAGH/TL	2			1		1					
30HP	AM300HXVAGH/TL	2			1			1				
32HP	AM320HXVAGH1TL	2			1				1			
34HP	AM340HXVAGH/TL	2			1					1		
36HP	AM360HXVAGH/TL	2				1				1		
38HP	AM380HXVAGH1TL	2					1			1		
40HP	AM400HXVAGH/TL	2				1						1
42HP	AM420HXVAGH/TL	2							1	1		
44HP	AM440HXVAGH/TL	2								2		
46HP	AM460HXVAGH1TL	3			2					1		
48HP	AM480HXVAGH1TL	3			1	1				1		
50HP	AM500HXVAGH/TL	3			1		1			1		
52HP	AM520HXVAGH/TL	3			1			1		1		
54HP	AM540HXVAGH/TL	3			1				1	1		
56HP	AM560HXVAGH/TL	3			1					2		
58HP	AM580HXVAGH/TL	3				1				2		
60HP	AM600HXVAGH/TL	3					1			2		
62HP	AM620HXVAGH/TL	3						1		2		
64HP	AM640HXVAGH/TL	3							1	2		
66HP	AM660HXVAGH/TL	3								3		
68HP	AM680HXVAGH/TL	4			2					2		
70HP	AM700HXVAGH/TL	4			1	1				2		
72HP	AM720HXVAGH/TL	4			1		1			2		
74HP	AM740HXVAGH/TL	4			1			1		2		
76HP	AM760HXVAGH/TL	4			1				1	2		
78HP	AM780HXVAGH/TL	4			1					3		
80HP	AM800HXVAGH/TL	4				1				3		

Combination Table: Outdoor Units - Compact

36HP	AM360HXVAGH/TL	2			1						1	
38HP	AM380HXVAGH/TL	2			1							1
46HP	AM460HXVAGH/TL	2							1			1
48HP	AM480HXVAGH/TL	2								1		1
50HP	AM500HXVAGH/TL	2									1	1
52HP	AM520HXVAGH/TL	2										2
58HP	AM580HXVAGH/TL	3			1				1			1
60HP	AM600HXVAGH/TL	3			1					1		1
62HP	AM620HXVAGH/TL	3			1						1	1
64HP	AM640HXVAGH/TL	3			1							2
68HP	AM680HXVAGH/TL	3								2	1	
70HP	AM700HXVAGH/TL	3								2		1
72HP	AM720HXVAGH/TL	3								1	1	1
74HP	AM740HXVAGH/TL	3								1		2
76HP	AM760HXVAGH/TL	3									1	2
78HP	AM780HXVAGH/TL	3										3

Combination Table:

Combination Table: Outdoor Units - Standard

System Model			Capacity of Single Unit (HP)											
Capa	Code	No. of Modules	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP
8HP	AM080JXVANH/TL	1	1											
10HP	AM100JXVANH/TL	1		1										
12HP	AM120JXVANH/TL	1			1									
14HP	AM140JXVANH/TL	1				1								
16HP	AM160JXVANH/TL	1					1							
18HP	AM180JXVANH/TL	1						1						
20HP	AM200JXVANH/TL	1							1					
22HP	AM220JXVANH/TL	1								1				
24HP	AM240KXVANH/TL	1									1			
26HP	AM260KXVANH/TL	1										1		
28HP	AM280KXVANH/TL	1											1	
30HP	AM300KXVANH/TL	1												1
32HP	AM320KXVANH/TL	2		1						1				
34HP	AM340KXVANH/TL	2			1					1				
36HP	AM360KXVANH/TL	2				1				1				
38HP	AM380KXVANH/TL	2					1			1				
40HP	AM400KXVANH/TL	2						1		1				
42HP	AM420KXVANH/TL	2							1	1				
44HP	AM440KXVANH/TL	2								2				
46HP	AM460KXVANH/TL	2					1							1
48HP	AM480KXVANH/TL	2						1						1
50HP	AM500KXVANH/TL	2							1					1
52HP	AM520KXVANH/TL	2								1				1
54HP	AM540KXVANH/TL	2									1			1
56HP	AM560KXVANH/TL	2										1		1
58HP	AM580KXVANH/TL	2											1	1
60HP	AM600KXVANH/TL	2												2
62HP	AM620KXVANH/TL	3		1						1				1
64HP	AM640KXVANH/TL	3			1					1				1
66HP	AM660KXVANH/TL	3				1				1				1
68HP	AM680KXVANH/TL	3					1			1				1
70HP	AM700KXVANH/TL	3						1		1				1
72HP	AM720KXVANH/TL	3							1	1				1
74HP	AM740KXVANH/TL	3								2				1
76HP	AM760KXVANH/TL	3								1	1			1
78HP	AM780KXVANH/TL	3								1		1		1
80HP	AM800KXVANH/TL	3								1			1	1
82HP	AM820KXVANH/TL	3								1				2
84HP	AM840KXVANH/TL	3									1			2
86HP	AM860KXVANH/TL	3										1		2
88HP	AM880KXVANH/TL	3											1	2
90HP	AM900KXVANH/TL	3												3

Note: -

1) Make sure to use an indoor unit that is compatible with DVM S.
2) If the total capacity of the connected indoor units exceeds the indicated maximum capacity, cooling and heating capacity of the indoor unit may decrease.
3) In case of combining modules more than 90 HP, please consult the manufacturer when connecting the indoor unit and deciding on piping length in accordance with design of the building.

Specification
Basic

- DSI (Dual Smart Inverter) system
- High efficiency
- Smart management
- Flexible installation
- Comfortable & reliable operation

Model Name			Heat Pump	AM080FXVAGH/TL	AM100FXVAGH/TL	AM120FXVAGH/TL	AM140FXVAGH/TL	AM160FXVAGH/TL	AM180FXVAGH/TL	AM200FXVAGH/TL	AM220FXVAGH/TL	AM240HXVAGH/TL	AM260HXVAGH/TL	AM280HXVAGH/TL	AM300HXVAGH/TL
			Heat Recovery	AM080FXVAGR/EU	AM100FXVAGR/EU	AM120FXVAGR/EU	AM140FXVAGR/EU	AM160FXVAGR/EU	AM180FXVAGR/EU	AM200FXVAGR/EU	AM220FXVAGR/EU	AM240MXVGNR/ET	AM260MXVGNR/ET	AM280MXVGNR/ET	AM300MXVANR/ET
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00	26.00	28.00	30.00
	Capacity (Nominal)	Cooling	kW	22.40	28.00	33.60	40.00	45.00	50.40	56.00	61.60	67.20	72.80	78.60	84.00
			Btu/h	76,400	95,500	114,600	136,500	153,500	172,000	191,100	210,200	229,300	248,400	268,200	286,600
		Heating	kW	25.20	31.50	37.80	45.00	50.40	56.70	63.00	69.31	75.60	81.90	88.20	94.50
			Btu/h	86,000	107,500	129,000	153,500	172,000	193,500	215,000	236,500	258,000	279,500	301,000	322,400
Power	Power Input (Nominal)	Cooling 1)	kW	5.00	6.80	8.40	8.90	11.00	12.88	15.19	17.35	17.10	19.30	19.40	21.28
		Heating 2)		5.10	6.70	8.70	9.50	11.50	11.90	13.90	16.70	19.80	21.80	20.20	20.60
	Current Input (Nominal)	Cooling 1)	A	8.00	10.90	13.50	14.30	17.60	20.70	24.40	27.80	26.83	30.28	31.10	34.20
		Heating 2)		8.20	10.70	14.00	15.20	18.40	19.10	22.30	26.80	31.06	34.20	32.40	33.10
	MCA			18.00	21.10	25.00	25.00	32.00	39.10	42.50	44.50	55.00	58.00	57.00	64.10
	MFA		A	25.00	32.00	32.00	32.00	40.00	50.00	63.00	63.00	63.00	63.00	63.00	75.00
COP	Nominal Cooling 1)		-	4.48	4.12	4.00	4.49	4.09	3.91	3.69	3.55	3.93	3.77	4.05	3.95
	Nominal Heating 2)		-	4.94	4.70	4.34	4.74	4.38	4.76	4.53	4.15	3.82	3.76	4.37	4.59
Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52	12.70	12.70	12.70	15.88	15.88	15.88	15.88	19.05	19.05	19.05
	Gas Pipe		Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	34.92
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	57.0	58.0	62.0	61.0	63.0	64.0	65.0	66.0	67.0	67.0	66.0	66.0
External Dimension	Net Weight		kg	184.5	184.5	184.5	233.0	276.0	298.0	298.0	298.0	356.0	356.0	(184.5) + (276.0)	(184.5) + (298.0)
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765)	(880 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)	(1,295 x 1,695 x 765)	(1,295 x 1,695 x 765)	(1,295 x 1,695 x 765)	(1,295 x 1,695 x 765)	(1,295 x 1,695 x 765)	(880x1,695x765) + (1,363x1,887x832)	(880x1,695x765) + (1,363x1,887x832)
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

Note: -

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 differences : 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 a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification
Basic

- DSI (Dual Smart Inverter) system
- High efficiency
- Smart management
- Flexible installation
- Comfortable & reliable operation

Model Name			Heat Pump	AM320HXVAGH/TL	AM340HXVAGH/TL	AM360HXVAGH/TL	AM380HXVAGH/TL	AM400HXVAGH/TL	AM420HXVAGH/TL	AM440HXVAGH/TL	AM460HXVAGH/TL	AM480HXVAGH/TL	AM500HXVAGH/TL	AM520HXVAGH/TL	AM540HXVAGH/TL
			Heat Recovery	AM320FXVAGR/EU	AM340FXVAGR/EU	AM360FXVAGR/EU	AM380FXVAGR/EU	AM400FXVAGR/EU	AM420FXVAGR/EU	AM440FXVAGR/EU	AM460FXVAGR/EU	AM480FXVAGR/EU	AM500FXVAGR/EU	AM520FXVAGR/EU	AM540FXVAGR/EU
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	32.00	34.00	36.00	38.00	40.00	42.00	44.00	46.00	48.00	50.00	52.00	54.00
	Capacity (Nominal)	Cooling	kW	89.60	95.20	101.60	106.60	112.80	117.60	123.20	128.80	135.20	140.20	145.60	151.20
			Btu/h	305,700	324,800	346,700	363,700	384,900	401,300	420,400	439,500	461,300	478,400	496,800	515,900
		Heating	kW	100.80	107.11	114.31	119.71	126.90	132.31	138.62	144.91	152.11	157.51	163.81	170.11
			Btu/h	343,900	365,500	390,000	408,500	433,000	451,500	473,000	494,500	519,000	537,400	558,900	580,400
Power	Power Input (Nominal)	Cooling 1)	kW	23.59	25.75	26.25	28.35	28.20	32.54	34.70	34.15	34.65	36.75	38.63	40.94
		Heating 2)		22.60	25.40	26.20	28.20	31.30	30.60	33.40	34.10	34.90	36.90	37.30	39.30
	Current Input (Nominal)	Cooling 1)	A	37.90	41.30	42.10	45.40	44.58	52.20	55.60	54.80	55.60	58.90	62.00	65.70
		Heating 2)		36.30	40.80	42.00	45.20	49.40	49.10	53.60	54.80	56.00	59.20	59.90	63.10
	MCA			67.50	69.50	69.50	76.50	83.00	87.00	89.00	94.50	94.50	101.50	108.60	112.00
	MFA		A	75.00	80.00	80.00	90.00	100.00	100.00	100.00	125.00	125.00	125.00	125.00	125.00
COP	Nominal Cooling 1)		-	3.80	3.70	3.87	3.76	4.00	3.61	3.55	3.77	3.90	3.81	3.77	3.69
	Nominal Heating 2)		-	4.46	4.22	4.36	4.25	4.05	4.32	4.15	4.25	4.36	4.27	4.39	4.33
Piping Connections	Liquid Pipe		Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas Pipe		Φ, mm	34.92	34.92	41.28	41.28	41.28	41.28	41.28	41.28	41.28	41.28	41.28	41.28
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	67.0	67.0	67.0	68.0	68.0	69.0	69.0	69.0	68.0	69.0	69.0	69.0
External Dimension	Net Weight		kg	184.5 + 298.0	184.5 + 298.0	233.0 + 298.0	276.0 + 298.0	233.0 + 356.0	298.0 x 2	298.0 x 2	184.5 x 2 + 298.0	184.5 + 233.0 + 298.0	184.5 + 276.0 + 298.0	184.5 + 298.0 x 2	184.5 + 298.0 x 2
	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	(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	(1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 2 + (1,295 x 1,695 x 765)	(880 x 1,695 x 765) + (1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) + (1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) + (1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) + (1,295 x 1,695 x 765) x 2
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

Note: -

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 differences : 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 a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification
Basic

- DSI (Dual Smart Inverter) system
- High efficiency
- Smart management
- Flexible installation
- Comfortable & reliable operation

Model Name			Heat Pump	AM560HXVAGH/TL	AM580HXVAGH/TL	AM600HXVAGH/TL	AM620HXVAGH/TL	AM640HXVAGH/TL	AM660HXVAGH/TL	AM680HXVAGH/TL	AM700HXVAGH/TL	AM720HXVAGH/TL	AM740HXVAGH/TL	AM760HXVAGH/TL	AM780HXVAGH/TL	AM800HXVAGH/TL
			Heat Recovery	AM560FXVAGR/EU	AM580FXVAGR/EU	AM600FXVAGR/EU	AM620FXVAGR/EU	AM640FXVAGR/EU	AM660FXVAGR/EU	AM680FXVAGR/EU	AM700FXVAGR/EU	AM720FXVAGR/EU	AM740FXVAGR/EU	AM760FXVAGR/EU	AM780FXVAGR/EU	AM800FXVAGR/EU
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	56.00	58.00	60.00	62.00	64.00	66.00	68.00	70.00	72.00	74.00	76.00	78.00	80.00
	Capacity (Nominal)	Cooling	kW	156.80	163.20	168.20	173.60	179.20	184.80	190.40	196.80	201.80	207.20	212.80	218.40	224.80
			Btu/h	535,000	556,900	573,900	592,300	611,500	630,600	649,700	671,500	688,600	707,000	726,100	745,200	767,000
		Heating	kW	176.42	183.62	189.02	195.32	201.62	207.93	214.22	221.42	226.82	233.12	239.42	245.73	252.93
			Btu/h	602,000	626,500	645,000	666,500	688,000	709,500	730,900	755,500	773,900	795,400	816,900	838,500	863,000
Power	Power Input (Nominal)	Cooling 1)	kW	43.10	43.60	45.70	47.58	49.89	52.05	51.50	52.00	54.10	55.98	58.29	60.45	60.95
		Heating 2)		42.10	42.90	44.90	45.30	47.30	50.10	50.80	51.60	53.60	54.00	56.00	58.80	59.60
	Current Input (Nominal)	Cooling 1)	A	69.10	69.90	73.20	76.30	80.00	83.40	82.60	83.40	86.70	89.80	93.50	96.90	97.70
		Heating 2)		67.60	68.80	72.00	72.70	75.90	80.40	81.60	82.80	86.00	86.70	89.90	94.40	95.60
	MCA			114.00	114.00	121.00	128.10	131.50	133.50	139.00	139.00	146.00	153.10	156.50	158.50	158.50
	MFA		A	125.00	125.00	150.00	150.00	150.00	150.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00
COP	Nominal Cooling 1)		-	3.64	3.74	3.68	3.65	3.59	3.55	3.70	3.78	3.73	3.70	3.65	3.61	3.69
	Nominal Heating 2)		-	4.19	4.28	4.21	4.31	4.26	4.15	4.22	4.29	4.23	4.32	4.28	4.18	4.24
Piping Connections	Liquid Pipe		Φ, mm	19.05	19.05	19.05	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22
	Gas Pipe		Φ, mm	41.28	41.28	41.28	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	70.0	70.0	70.0	70.0	70.0	71.0	70.0	70.0	71.0	71.0	71.0	71.0	71.0
External Dimension	Net Weight		kg	184.5 + 298.0 x 2	233.0 + 298.0 x 2	276.0 + 298.0 x 2	298.0 x 3	298.0 x 3	298.0 x 3	184.5 x 2 + 298.0 x 2	184.5 + 233.0 + 298.0 x 2	184.5 + 276.0 + 298.0 x 2	184.5 + 298.0 x 3	184.5 + 298.0 x 3	184.5 + 298.0 x 3	233.0 + 298.0 x 3
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(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	(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	(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	(1,295 x 1,695 x 765) x 4
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5.0 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

Note: -

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 differences : 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 a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification
Compact

- DSI (Dual Smart Inverter) system
- High efficiency
- Smart management
- Flexible installation
- Comfortable & reliable operation

Model Name			Heat Pump	AM360HXVAGH/TL	AM380HXVAGH/TL	AM460HXVAGH/TL	AM480HXVAGH/TL	AM500HXVAGH/TL	AM520HXVAGH/TL	AM580HXVAGH/TL	AM600HXVAGH/TL
			Heat Recovery	AM360HXVAGR/TL	AM380HXVAGR/TL	AM460HXVAGR/TL	AM480HXVAGR/TL	AM500HXVAGR/TL	AM520HXVAGR/TL	AM580HXVAGR/TL	AM600HXVAGR/TL
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	36.00	38.00	46.00	48.00	50.00	52.00	58.00	60.00
	Capacity (Nominal)	Cooling	kW	100.80	106.40	128.80	134.40	140.00	145.60	162.40	168.00
			Btu/h	343,900	363,100	439,500	458,600	477,700	496,800	554,100	573,200
		Heating	kW	113.40	119.70	144.90	151.21	157.50	163.80	182.70	189.01
			Btu/h	386,900	408,400	494,400	515,900	537,400	558,900	623,400	644,900
Power	Power Input (Nominal)	Cooling 1)	kW	25.50	27.70	34.49	36.65	36.40	38.60	42.89	45.05
		Heating 2)		28.50	30.50	35.70	38.50	41.60	43.60	44.40	47.20
	Current Input (Nominal)	Cooling 1)	A	40.33	43.78	54.68	58.08	57.11	60.56	68.18	71.58
		Heating 2)		45.06	48.20	56.50	61.00	65.26	68.40	70.50	75.00
	MCA			80.00	83.00	100.50	102.50	113.00	116.00	125.50	127.50
	MFA		A	90.00	100.00	125.00	125.00	125.00	150.00	150.00	150.00
COP	Nominal Cooling 1)		-	3.95	3.84	3.73	3.67	3.85	3.77	3.79	3.73
	Nominal Heating 2)		-	3.98	3.92	4.06	3.93	3.79	3.76	4.11	4.00
Piping Connections	Liquid Pipe		Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas Pipe		Φ, mm	41.28	41.28	41.28	41.28	41.28	41.28	41.28	41.28
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	68.0	68.0	69.0	70.0	70.0	70.0	70.0	70.0
External Dimension	Net Weight		kg	184.5 + 356.0	184.5 + 356.0	298.0 + 356.0	298.0 + 356.0	356.0 x 2	356.0 x 2	184.5 + 298.0 + 356.0	184.5 + 298.0 + 356.0
	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	(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	(880 x 1,695 x 765) + (1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) + (1,295 x 1,695 x 765) x 2
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

Note: -

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 differences : 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 a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification
Compact

- DSI (Dual Smart Inverter) system
- High efficiency
- Smart management
- Flexible installation
- Comfortable & reliable operation

Model Name			Heat Pump	AM620HXVAGH/TL	AM640HXVAGH/TL	AM680HXVAGH/TL	AM700HXVAGH/TL	AM720HXVAGH/TL	AM740HXVAGH/TL	AM760HXVAGH/TL	AM780HXVAGH/TL
			Heat Recovery	AM620HXVAGR/TL	AM640HXVAGR/TL	AM680HXVAGR/TL	AM700HXVAGR/TL	AM720HXVAGR/TL	AM740HXVAGR/TL	AM760HXVAGR/TL	AM780HXVAGR/TL
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	62.00	64.00	68.00	70.00	72.00	74.00	76.00	78.00
	Capacity (Nominal)	Cooling	kW	173.60	179.20	190.40	196.00	201.60	207.20	212.80	218.40
			Btu/h	592,300	611,500	649,700	668,800	687,900	707,000	726,100	745,200
		Heating	kW	195.30	201.60	214.22	220.52	226.81	233.11	239.40	245.70
			Btu/h	666,400	687,900	730,900	752,400	773,900	795,400	816,900	838,400
Power	Power Input (Nominal)	Cooling 1)	kW	44.80	47.00	51.80	54.00	53.75	55.95	55.70	57.90
		Heating 2)		50.30	52.30	53.20	55.20	58.30	60.30	63.40	65.40
	Current Input (Nominal)	Cooling 1)	A	70.61	74.06	82.43	85.88	84.91	88.36	87.39	90.84
		Heating 2)		79.26	82.40	84.66	87.80	92.06	95.20	99.46	102.60
	MCA			138.00	141.00	144.00	147.00	157.50	160.50	171.00	174.00
	MFA		A	175.00	175.00	175.00	175.00	175.00	200.00	200.00	200.00
COP	Nominal Cooling 1)		-	3.88	3.81	3.68	3.63	3.75	3.70	3.82	3.77
	Nominal Heating 2)		-	3.88	3.85	4.03	3.99	3.89	3.87	3.78	3.76
Piping Connections	Liquid Pipe		Φ, mm	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22
	Gas Pipe		Φ, mm	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	71.0	71.0	71.0	71.0	71.0	71.0	72.0	72.0
External Dimension	Net Weight		kg	184.5 + 356.0 x 2	184.5 + 356.0 x 2	298.0 x 2 + 356.0	298.0 x 2 + 356.0	298.0 + 356.0 x 2	298.0 + 356.0 x 2	356.0 x 3	356.0 x 3
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765) + (1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

Note: -

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 differences : 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 a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification
Standard

- DSI (Dual Smart Inverter) system
- High efficiency
- Smart management
- Flexible installation
- Comfortable & reliable operation

Model Name				AM080JXVANH/TL	AM100JXVANH/TL	AM120JXVANH/TL	AM140JXVANH/TL	AM160JXVANH/TL	AM180JXVANH/TL	AM200JXVANH/TL	AM220JXVANH/TL	AM240KXVANH/TL	AM260KXVANH/TL
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	24.00	26.00
	Capacity (Nominal)	Cooling	kW	22.40	28.00	33.60	40.00	45.00	50.40	56.00	61.60	67.20	72.80
			Btu/h	76,400	95,500	114,600	136,500	153,500	172,000	191,100	210,200	229,300	248,400
		Heating	kW	25.20	31.50	37.80	45.00	50.40	56.70	63.00	69.30	75.60	81.90
			Btu/h	86,000	107,500	129,000	153,500	172,000	193,500	215,000	236,500	258,000	279,500
Power	Power Input (Nominal)	Cooling 1)	kW	5.00	6.85	8.77	10.25	11.40	12.45	14.59	17.35	17.10	18.91
		Heating 2)		5.10	6.65	9.30	10.15	11.60	11.90	13.90	16.70	17.42	18.00
	Current Input (Nominal)	Cooling 1)	A	8.00	11.00	14.10	16.40	18.30	20.00	23.40	27.80	27.40	30.30
		Heating 2)		8.20	10.70	14.90	16.30	18.60	19.10	22.30	26.80	27.90	28.90
	MCA			18.00	21.10	25.00	25.00	32.00	39.10	42.50	44.50	55.00	60.00
	MFA		A	25.00	32.00	32.00	32.00	40.00	50.00	63.00	63.00	63.00	75.00
COP	Nominal Cooling 1)		-	4.48	4.09	3.83	3.90	3.95	4.05	3.84	3.55	3.93	3.85
	Nominal Heating 2)		-	4.94	4.74	4.06	4.43	4.34	4.76	4.53	4.15	4.34	4.55
Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52	12.70	12.70	12.70	15.88	15.88	15.88	15.88	19.05
	Gas Pipe		Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	57.0	58.0	62.0	61.0	63.0	64.0	65.0	66.0	66.0	66.0
External Dimension	Net Weight		kg	186.0	197.0	210.0	239.0	269.0	307.0	307.0	307.0	333.0	333.0
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765)	(880 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)	(1,295 x 1,695 x 765)	(1,295 x 1,695 x 765)	(1,295 x 1,695 x 765)	(1,295 x 1,795 x 765)	(1,295 x 1,795 x 765)
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

Note: -

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 differences : 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 a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification
Standard

- DSI (Dual Smart Inverter) system
- High efficiency
- Smart management
- Flexible installation
- Comfortable & reliable operation

Model Name				AM280KXVANH/TL	AM300KXVANH/TL	AM320KXVANH/TL	AM340KXVANH/TL	AM360KXVANH/TL	AM380KXVANH/TL	AM400KXVANH/TL	AM420KXVANH/TL	AM440KXVANH/TL	AM460KXVANH/TL
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	28.00	30.00	32.00	34.00	36.00	38.00	40.00	42.00	44.00	46.00
	Capacity (Nominal)	Cooling	kW	78.60	84.00	89.60	95.20	101.60	106.60	112.00	117.60	123.20	129.00
			Btu/h	268,200	286,600	305,700	324,800	346,700	363,700	382,200	401,300	420,400	440,200
		Heating	kW	88.20	94.50	100.80	107.10	114.30	119.70	126.00	132.30	138.60	144.90
			Btu/h	301,000	322,400	343,900	365,400	390,000	408,400	429,900	451,400	472,900	494,400
Power	Power Input (Nominal)	Cooling 1)	kW	20.68	22.70	24.20	26.12	27.60	28.75	29.80	31.94	34.70	34.10
		Heating 2)		20.18	20.59	23.35	26.00	26.85	28.30	28.60	30.60	33.40	32.19
	Current Input (Nominal)	Cooling 1)	A	33.20	36.40	38.80	41.90	44.20	46.10	47.80	51.20	55.60	54.70
		Heating 2)		32.40	33.00	37.50	41.70	43.10	45.40	45.90	49.10	53.60	51.60
	MCA			67.00	73.00	65.60	69.50	69.50	76.50	83.60	87.00	89.00	105.00
	MFA		A	75.00	80.00	80.00	80.00	80.00	90.00	100.00	100.00	100.00	125.00
COP	Nominal Cooling 1)		-	3.80	3.70	3.70	3.64	3.68	3.71	3.76	3.68	3.55	3.78
	Nominal Heating 2)		-	4.37	4.59	4.32	4.12	4.26	4.23	4.41	4.32	4.15	4.50
Piping Connections	Liquid Pipe		Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas Pipe		Φ, mm	34.92	34.92	34.92	34.92	41.28	41.28	41.28	41.28	41.28	41.28
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	69.0	69.0	-	-	-	-	-	-	-	-
External Dimension	Net Weight		kg	342.0	350.0	197.0 + 307.0	210.0 + 307.0	239.0 + 307.0	269.0 + 307.0	307.0 x 2	307.0 x 2	307.0 x 2	269.0 + 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 1,695 x 765)	(880 x 1,695 x 765) + (1,295 x 1,695 x 765)	(1,295 x 1,695 x 765) x 2	(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	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

Note: -

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 differences : 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 a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification
Standard

- DSI (Dual Smart Inverter) system
- High efficiency
- Smart management
- Flexible installation
- Comfortable & reliable operation

Model Name				AM480KXVANH/TL	AM500KXVANH/TL	AM520KXVANH/TL	AM540KXVANH/TL	AM560KXVANH/TL	AM580KXVANH/TL	AM600KXVANH/TL	AM620KXVANH/TL	AM640KXVANH/TL	AM660KXVANH/TL	AM680KXVANH/TL
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	48.00	50.00	52.00	54.00	56.00	58.00	60.00	62.00	64.00	66.00	68.00
	Capacity (Nominal)	Cooling	kW	134.40	140.00	145.60	151.20	156.80	162.60	168.00	173.60	179.20	185.60	190.60
			Btu/h	458,600	477,700	496,800	515,900	535,000	554,800	573,200	592,300	611,500	633,300	650,400
		Heating	kW	151.20	157.50	163.80	170.10	176.40	182.70	189.00	195.30	201.60	208.80	214.20
			Btu/h	515,900	537,400	558,900	580,400	601,900	623,400	644,900	666,400	687,900	712,500	730,900
Power	Power Input (Nominal)	Cooling 1)	kW	35.15	37.29	40.05	39.80	41.61	43.38	45.40	46.90	48.82	50.30	51.45
		Heating 2)		32.49	34.49	37.29	38.01	38.59	40.77	41.18	43.94	46.59	47.44	48.89
	Current Input (Nominal)	Cooling 1)	A	56.40	59.80	64.20	63.80	66.70	69.60	72.80	75.20	78.30	80.60	82.50
		Heating 2)		52.10	55.30	59.80	60.90	61.90	65.40	66.00	70.50	74.70	76.10	78.40
	MCA			112.10	115.50	117.50	128.00	133.00	140.00	146.00	138.60	142.50	142.50	149.50
	MFA		A	125.00	150.00	150.00	150.00	150.00	175.00	175.00	175.00	175.00	175.00	175.00
COP	Nominal Cooling 1)		-	3.82	3.75	3.64	3.80	3.77	3.75	3.70	3.70	3.67	3.69	3.70
	Nominal Heating 2)		-	4.65	4.57	4.39	4.48	4.57	4.48	4.59	4.44	4.33	4.40	4.38
Piping Connections	Liquid Pipe		Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	22.22	22.22	22.22	22.22
	Gas Pipe		Φ, mm	41.28	41.28	41.28	41.28	41.28	41.28	41.28	53.98	53.98	53.98	53.98
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	-	-	-	-	-	-	-	-	-	-	-
External Dimension	Net Weight		kg	307.0 + 350.0	307.0 + 350.0	307.0 + 350.0	333.0 + 350.0	333.0 + 350.0	342.0 + 350.0	350.0 x 2	197.0 + 307.0 + 350.0	210.0 + 307.0 + 350.0	239.0 + 307.0 + 350.0	269.0 + 307.0 + 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 1,695 x 765) + (1,295 x 1,795 x 765)	(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	(1,295 x 1,795 x 765) x 2	(880 x 1,695 x 765) + (1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(880 x 1,695 x 765) + (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 76)5	(1,295 x 1,695 x 765) x 2 + (1,295 x 1,795 x 765)
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

Note: -

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 differences : 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 a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification
Standard

- DSI (Dual Smart Inverter) system
- High efficiency
- Smart management
- Flexible installation
- Comfortable & reliable operation

Model Name				AM700KXVANH/TL	AM720KXVANH/TL	AM740KXVANH/TL	AM760KXVANH/TL	AM780KXVANH/TL	AM800KXVANH/TL	AM820KXVANH/TL	AM840KXVANH/TL	AM860KXVANH/TL	AM880KXVANH/TL	AM900KXVANH/TL
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		HP	70.00	72.00	74.00	76.00	78.00	80.00	82.00	84.00	86.00	88.00	90.00
	Capacity (Nominal)	Cooling	kW	196.00	201.60	207.20	212.80	218.40	224.20	229.60	235.20	240.80	246.60	252.00
			Btu/h	668,800	687,900	707,000	726,100	745,200	765,000	783,400	802,500	821,600	841,400	859,900
		Heating	kW	220.50	226.80	233.10	239.40	245.70	252.00	258.30	264.60	270.90	277.20	283.50
			Btu/h	752,400	773,900	795,400	816,900	838,400	859,900	881,400	902,900	924,300	945,800	967,300
Power	Power Input (Nominal)	Cooling 1)	kW	52.50	54.64	57.40	57.15	58.96	60.73	62.75	62.50	64.31	66.08	68.10
		Heating 2)		49.19	51.19	53.99	54.71	55.29	57.47	57.88	58.60	59.18	61.36	61.77
	Current Input (Nominal)	Cooling 1)	A	84.20	87.60	92.00	91.60	94.50	97.40	100.60	100.20	103.10	106.00	109.20
		Heating 2)		78.90	82.10	86.60	87.70	88.70	92.20	92.80	93.90	94.90	98.40	99.00
	MCA			156.60	160.00	162.00	172.50	177.50	184.50	190.50	201.00	206.00	213.00	219.00
	MFA		A	175.00	200.00	200.00	200.00	200.00	225.00	225.00	225.00	250.00	250.00	250.00
COP	Nominal Cooling 1)		-	3.73	3.69	3.61	3.72	3.70	3.69	3.66	3.76	3.74	3.73	3.70
	Nominal Heating 2)		-	4.48	4.43	4.32	4.38	4.44	4.38	4.46	4.52	4.58	4.52	4.59
Piping Connections	Liquid Pipe		Φ, mm	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22
	Gas Pipe		Φ, mm	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	-	-	-	-	-	-	-	-	-	-	-
External Dimension	Net Weight		kg	307.0 x 2 + 350.0	307.0 x 2 + 350.0	307.0 x 2 + 350.0	307.0 + 333.0 + 350.0	307.0 + 333.0 + 350.0	307.0 + 342.0 + 350.0	307.0 + 350.0 x 2	333.0 + 350.0 x 2	333.0 + 350.0 x 2	342.0 + 350.0 x 2	350.0 x 3
	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)	(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 1,695 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	(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 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

Note: -

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 differences : 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 a dead room. Thus actual noise level may be different depending on the installation conditions.

Combination Table Outdoor Unit:
Cooling Only

System Model			Capacity of Single Unit											
Capa	Code	No. of Modules	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP
8.00	AM080MXVAGC/TL	1	1											
10.00	AM100MXVAGC/TL	1		1										
12.00	AM120MXVAGC/TL	1			1									
14.00	AM140MXVAGC/TL	1				1								
16.00	AM160MXVAGC/TL	1					1							
18.00	AM180MXVAGC/TL	1						1						
20.00	AM200MXVAGC/TL	1							1					
22.00	AM220MXVAGC/TL	1								1				
24.00	AM240MXVAGC/TL	1									1			
26.00	AM260MXVAGC/TL	1										1		
28.00	AM280MXVAGC/TL	1											1	
30.00	AM300MXVAGC/TL	1												1
32.00	AM320MXVAGC/TL	2		1						1				
34.00	AM340MXVAGC/TL	2			1					1				
36.00	AM360MXVAGC/TL	2				1				1				
38.00	AM380MXVAGC/TL	2					1			1				
40.00	AM400MXVAGC/TL	2						1		1				
42.00	AM420MXVAGC/TL	2							1	1				
44.00	AM440MXVAGC/TL	2								2				
46.00	AM460MXVAGC/TL	2					1							1
48.00	AM480MXVAGC/TL	2						1						1
50.00	AM500MXVAGC/TL	2							1					1
52.00	AM520MXVAGC/TL	2								1				1
54.00	AM540MXVAGC/TL	2									1			1
56.00	AM560MXVAGC/TL	2										1		1
58.00	AM580MXVAGC/TL	2											1	1
60.00	AM600MXVAGC/TL	2												2
62.00	AM620MXVAGC/TL	3		1						1				1
64.00	AM640MXVAGC/TL	3			1					1				1
66.00	AM660MXVAGC/TL	3				1				1				1
68.00	AM680MXVAGC/TL	3					1			1				1
70.00	AM700MXVAGC/TL	3						1		1				1
72.00	AM720MXVAGC/TL	3							1	1				1
74.00	AM740MXVAGC/TL	3								2				1
76.00	AM760MXVAGC/TL	3								1	1			1
78.00	AM780MXVAGC/TL	3								1		1		1
80.00	AM800MXVAGC/TL	3								1			1	1
82.00	AM820MXVAGC/TL	3								1				2
84.00	AM840MXVAGC/TL	3												2
86.00	AM860MXVAGC/TL	3												2
88.00	AM880MXVAGC/TL	3												2
90.00	AM900MXVAGC/TL	3												3

Note: -

1) Make sure to use an indoor unit that is compatible with DVM S.
2) If the total capacity of the connected indoor units exceeds the indicated maximum capacity, cooling and heating capacity of the indoor unit may decrease.
3) In case of combining modules more than 90 HP, please consult the manufacturer when connecting the indoor unit and deciding on piping length in accordance with design of the building.

Specification
Cooling Only

- High efficiency
- Reliable operation
- Small foot print
- Minimum noise level
- Flexible Installation

Model Name				AM080MXVAGC/TL	AM100MXVAGC/TL	AM120MXVAGC/TL	AM140MXVAGC/TL	AM160MXVAGC/TL	AM180MXVAGC/TL
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
Perfor-mance	HP		HP	8.00	10.00	12.00	14.00	16.00	18.00
	Capacity (Nominal)	Cooling	kW	22.40	28.00	33.60	40.00	45.00	50.40
			Btu/h	76,400	95,500	114,600	136,500	153,500	172,000
		Heating	kW	-	-	-	-	-	-
			Btu/h	-	-	-	-	-	-
Power	Power Input (Nominal)	Cooling 1)	kW	4.98	6.36	8.62	10.08	12.10	14.20
		Heating 2)		-	-	-	-	-	-
	Current Input (Nominal)	Cooling 1)	A	8.00	10.20	13.80	16.20	19.40	22.80
		Heating 2)		-	-	-	-	-	-
	MCA			18.00	22.80	25.00	25.00	32.00	39.10
	MFA		A	25.00	32.00	32.00	32.00	40.00	50.00
COP	Nominal Cooling 1)		-	4.50	4.40	3.90	3.97	3.72	3.55
	Nominal Heating 2)		-	-	-	-	-	-	-
Piping Connec-tions	Liquid Pipe		Φ, mm	9.52	9.52	12.70	12.70	12.70	15.88
	Gas Pipe		Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58
	Installation Limitation	Max. Length	m	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	57.0	58.0	62.0	61.0	63.0	64.0
External Dimension	Net Weight		kg	186.0	186.0	198.0	226.0	253.0	255.0
	Net Dimensions (WxHxD)		mm	(880 x 1,695 x 765)	(880 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)	(1,295 x 1,695 x 765)
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-	-	-	-	-	-

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 differences : 0m
2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification
Cooling Only

- High efficiency
- Reliable operation
- Small foot print
- Minimum noise level
- Flexible Installation

Model Name				AM200MXVAGC/TL	AM220MXVAGC/TL	AM240MXVAGC/TL	AM260MXVAGC/TL	AM280MXVAGC/TL	AM300MXVAGC/TL	AM320MXVAGC/TL	AM340MXVAGC/TL	AM360MXVAGC/TL	AM380MXVAGC/TL	AM400MXVAGC/TL	AM420MXVAGC/TL
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
Performance	HP		HP	20.00	22.00	24.00	26.00	28.00	30.00	32.00	34.00	36.00	38.00	40.00	42.00
	Capacity (Nominal)	Cooling	kW	56.00	61.60	67.20	72.80	78.60	84.00	89.60	95.20	101.60	106.60	112.00	117.60
			Btu/h	191,100	210,200	229,300	248,400	268,200	286,600	305,700	324,800	346,700	363,700	382,200	401,300
		Heating	kW	-	-	-	-	-	-	-	-	-	-	-	-
			Btu/h	-	-	-	-	-	-	-	-	-	-	-	-
Power	Power Input (Nominal)	Cooling 1)	kW	16.62	19.68	17.87	21.41	23.39	26.33	26.04	28.30	29.76	31.78	33.88	36.30
		Heating 2)		-	-	-	-	-	-	-	-	-	-	-	-
	Current Input (Nominal)	Cooling 1)	A	26.60	31.60	28.70	34.30	37.50	42.20	41.80	45.40	47.80	51.00	54.40	58.20
		Heating 2)		-	-	-	-	-	-	-	-	-	-	-	-
	MCA			42.00	44.50	44.50	60.00	65.00	65.00	67.30	69.50	69.50	76.50	83.60	86.50
	MFA		A	63.00	63.00	63.00	75.00	75.00	75.00	75.00	80.00	80.00	90.00	100.00	100.00
COP	Nominal Cooling 1)		-	3.37	3.13	3.76	3.40	3.36	3.19	3.44	3.36	3.41	3.35	3.31	3.24
	Nominal Heating 2)		-	-	-	-	-	-	-	-	-	-	-	-	-
Piping Connections	Liquid Pipe		Φ, mm	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas Pipe		Φ, mm	28.58	28.58	34.92	34.92	34.92	34.92	34.92	34.92	41.28	41.28	41.28	41.28
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	65.0	65.0	67.0	67.0	69.0	69.0	66.0	67.0	66.0	67.0	68.0	68.0
External Dimension	Net Weight		kg	277.0	285.0	333.0	333.0	342.0	350.0	186.0 + 285.0	198.0 + 285.0	226.0 + 285.0	253.0 + 285.0	255.0 + 285.0	277.0 + 285.0
	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)	(1,295 x 1,795 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	(880 x 1,695 x 765) + 1,295 x 1,695 x 765	(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	(1,295 x 1,695 x 765) x 2
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-	-	-	-	-	-	-	-	-	-	-	-

Note: -

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 : 5m, Level differences : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Specification
Cooling Only

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 differences : 0m
2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification
Cooling Only

- High efficiency
- Reliable operation
- Small foot print
- Minimum noise level
- Flexible Installation

Model Name				AM440MXVAGC/TL	AM460MXVAGC/TL	AM480MXVAGC/TL	AM500MXVAGC/TL	AM520MXVAGC/TL	AM540MXVAGC/TL	AM560MXVAGC/TL	AM580MXVAGC/TL	AM600MXVAGC/TL	AM620MXVAGC/TL	AM640MXVAGC/TL	AM660MXVAGC/TL
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
Performance	HP		HP	44.00	46.00	48.00	50.00	52.00	54.00	56.00	58.00	60.00	62.00	64.00	66.00
	Capacity (Nominal)	Cooling	kW	123.20	129.00	134.40	140.00	145.60	151.20	156.80	162.60	168.00	173.60	179.20	185.60
			Btu/h	420,400	440,200	458,600	477,700	496,800	515,900	535,000	554,800	573,200	592,300	611,500	633,300
		Heating	kW	-	-	-	-	-	-	-	-	-	-	-	-
			Btu/h	-	-	-	-	-	-	-	-	-	-	-	-
Power	Power Input (Nominal)	Cooling 1)	kW	39.36	38.43	40.53	42.95	46.01	44.20	47.74	49.73	52.66	52.38	54.63	56.09
		Heating 2)		-	-	-	-	-	-	-	-	-	-	-	-
	Current Input (Nominal)	Cooling 1)	A	63.20	61.60	65.00	68.80	73.80	70.90	76.50	79.70	84.40	84.00	87.60	90.00
		Heating 2)		-	-	-	-	-	-	-	-	-	-	-	-
	MCA			89.00	97.00	104.10	107.00	109.50	109.50	125.00	130.00	130.00	132.30	134.50	134.50
	MFA		A	100.00	125.00	125.00	125.00	125.00	125.00	150.00	150.00	150.00	150.00	150.00	150.00
COP	Nominal Cooling 1)		-	3.13	3.36	3.32	3.26	3.16	3.42	3.28	3.27	3.19	3.31	3.28	3.31
	Nominal Heating 2)		-	-	-	-	-	-	-	-	-	-	-	-	-
Piping Connections	Liquid Pipe		Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	22.22	22.22	22.22
	Gas Pipe		Φ, mm	41.28	41.28	41.28	41.28	41.28	41.28	41.28	41.28	41.28	53.98	53.98	53.98
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	68.0	70.0	70.0	70.0	70.0	71.0	71.0	72.0	72.0	71.0	71.0	71.0
External Dimension	Net Weight		kg	285.0 x 2	253.0 + 350.0	255.0 + 350.0	277.0 + 350.0	285.0 + 350.0	333.0 + 350.0	333.0 + 350.0	342.0 + 350.0	350.0 x 2	186.0 + 285.0 + 350.0	198.0 + 285.0 + 350.0	226.0 + 285.0 + 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)	(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	(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	(880 x 1,695 x 765) + (1,295 x 1,695 x 765) + (1,295 x 1,795 x 765)	(880 x 1,695 x 765) + (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)
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-	-	-	-	-	-	-	-	-	-	-	-

Note: -

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 : 5m, Level differences : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) Integrated Ceiling require two no trap doors (2'X2') for round panel 360 Cassette installation.
4) Integrated Ceiling require one no trap doors (2'X2') for square panel 360 Cassette installation.

Specification
Cooling Only

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 differences : 0m
3) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification
Cooling Only

- High efficiency
- Reliable operation
- Small foot print
- Minimum noise level
- Flexible Installation

Model Name				AM680MXVAGC/TL	AM700MXVAGC/TL	AM720MXVAGC/TL	AM740MXVAGC/TL	AM760MXVAGC/TL	AM780MXVAGC/TL	AM800MXVAGC/TL	AM820MXVAGC/TL	AM840MXVAGC/TL	AM860MXVAGC/TL	AM880MXVAGC/TL	AM900MXVAGC/TL
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
Performance	HP		HP	68.00	70.00	72.00	74.00	76.00	78.00	80.00	82.00	84.00	86.00	88.00	90.00
	Capacity (Nominal)	Cooling	kW	190.60	196.00	201.60	207.20	212.80	218.40	224.20	229.60	235.20	240.80	246.60	252.00
			Btu/h	650,400	668,800	687,900	707,000	726,100	745,200	765,000	783,400	802,500	821,600	841,400	859,900
		Heating	kW	-	-	-	-	-	-	-	-	-	-	-	-
			Btu/h	-	-	-	-	-	-	-	-	-	-	-	-
Power	Power Input (Nominal)	Cooling 1)	kW	58.11	60.21	62.63	65.69	63.89	67.42	69.41	72.35	70.54	74.08	76.06	79.00
		Heating 2)		-	-	-	-	-	-	-	-	-	-	-	-
	Current Input (Nominal)	Cooling 1)	A	93.20	96.60	100.40	105.40	102.50	108.10	111.30	116.00	113.10	118.70	121.90	126.60
		Heating 2)		-	-	-	-	-	-	-	-	-	-	-	-
	MCA			141.50	148.60	151.50	154.00	154.00	169.50	174.50	174.50	174.50	190.00	195.00	195.00
	MFA		A	175.00	175.00	175.00	175.00	175.00	200.00	200.00	200.00	200.00	225.00	225.00	225.00
COP	Nominal Cooling 1)		-	3.28	3.26	3.22	3.15	3.33	3.24	3.23	3.17	3.33	3.25	3.24	3.19
	Nominal Heating 2)		-	-	-	-	-	-	-	-	-	-	-	-	-
Piping Connections	Liquid Pipe		Φ, mm	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22	22.22
	Gas Pipe		Φ, mm	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98	53.98
	Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	200	200	200	200	200
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure		dB(A)	71.0	71.0	72.0	72.0	72.0	72.0	73.0	73.0	73.0	73.0	74.0	74.0
External Dimension	Net Weight		kg	253.0 + 285.0 + 350.0	255.0 + 285.0 + 350.0	277.0 + 285.0 + 350.0	285.0 x 2 + 350.0	285.0 + 333.0 + 350.0	285.0 + 333.0 + 350.0	285.0 + 342.0 + 350.0	285.0 + 350.0 x 2	333.0 + 350.0 x 2	333.0 + 350.0 x 2	342.0 + 350.0 x 2	350.0 x 3
	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)	(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	(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	(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		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-	-	-	-	-	-	-	-	-	-	-	-

Note: -

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 : 5m, Level differences : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
3) Integrated Ceiling require two no trap doors (2'X2') for round panel 360 Cassette installation.
4) Integrated Ceiling require one no trap doors (2'X2') for square panel 360 Cassette installation.

Specification
Cooling Only

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 differences : 0m
2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Specification Outdoor Unit:
DVM Chiller

- High Efficiency
- Smaller foot print
- Wide operating range
- Integrated control
- Provides Cold / Hot Water

Type				Without Pump	Without Pump	Without Pump	With Pump	With Pump	With Pump
Model Name				AG042KSVANH/EU	AG056KSVANH/EU	AG070KSVANH/EU	AG042KSVGNH/EU	AG056KSVGNH/EU	AG070KSVGNH/EU
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Performance	Hp		Hp	15	20	25	15	20	25
	Ton		Usrt	12	16	18.5	12	16	18.5
	Capacity (Nominal)	Cooling	Kw	42.0	56.0	65.0	42.0	56.0	65
		Heating	Kw	42.0	56.0	69.5	42.0	56.0	69.5
Power	Power Input (Nominal)	Cooling	Kw	12.35	18.67	26.00	13.59	20.14	28.26
		Heating		11.83	17.50	24.39	12.77	18.48	25.84
	Current Input (Nominal)	Cooling	A	19.6	29.6	41.2	24.2	34.2	45.8
		Heating		18.8	27.8	38.7	23.4	32.4	43.3
	Current	Mca	A	32.0	46.0	58.0	39	53	65
		Mfa	A	40.0	60.0	75.0	50	60	75
Cop	Nominal Cooling		W/W	3.40	3.00	2.50	3.09	2.78	2.30
	Nominal Heating		W/W	3.55	3.20	2.85	3.29	3.03	2.69
	Eseer (Pump Input Is Included Based On En 14511)		W/W	5.7	5.4	5	4.75	4.5	4.10
Compressor	Type		-	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll
Water Side Heat Exchanger	Type		-	Brazing Plate	Brazing Plate	Brazing Plate	Brazing Plate	Brazing Plate	Brazing Plate
	Water Flow Rate (Cooling/Heating)		Lpm	120 / 120	160 / 160	186 / 200	120 / 120	160 / 160	186 / 200
	Pressure Drop (Set. Norminal)		Kpa	60	100	120	60	100	120
	Max Operationg Pressure		Mpa	1.0	1.0	1.0	1	1	1
	Connection Type		-	Flange	Flange	Flange	Flange	Flange	Flange
	Pipe Connection (Inlet/Outlet)		Φ, Mm	40	40	50	40	40	50
	Q'ty		Ea	2	2	2	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
	Normial Water Flow Rate		Lpm	-	-	-	120 / 120	160 / 160	186 / 200
			L/S	-	-	-	2.0 / 2.0	2.7 / 2.7	3.1 / 3.3
	External Static Pressure(Set)	Max.	Maq	-	-	-	22.4 / 22.4	15.3 / 15.3	10.2 / 10.2
			Kpa	-	-	-	220 / 220	150 / 150	131 / 100
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure	Cooling	dB(A)	60	62	63	60	62	63
		Heating		57	59	64	57	59	64
	Sound Power			80	83	85	80	84	88
External Dimension	Net Weight		Kg	446	446	465	472	472	493
	Shipping Weight		Kg	468	468	487	494	494	515
	Net Dimensions (Wxhxd)		Mm	(1,795 x 1,695 x 765)	(1,795 x 1,695 x 765)	(1,795 x 1,695 x 765)	(1,795 x 1,695 x 765)	(1,795 x 1,695 x 765)	(1,795 x 1,695 x 765)
	Shipping Dimensions (Wxhxd)		Mm	(1,900 x 1,887 x 919)	(1,900 x 1,887 x 919)	(1,900 x 1,887 x 919)	(1,900 x 1,887 x 919)	(1,900 x 1,887 x 919)	(1,900 x 1,887 x 919)
Operating Water Temp. Range	Cooling		℃	5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25
	Cooling (If Using Brine)		℃	-10~25	-10~25	-10~25	-10~25	-10~25	-10~25
	Heating		℃	25 ~ 55	25 ~ 55	25 ~ 55	25 ~ 55	25 ~ 55	25 ~ 55
Operating Water Flow Range	Water Flow Rate		Lpm	60 ~ 240	80 ~ 320	93 ~ 400	60 ~ 240	80 ~ 320	93 ~ 400
	Minimum Water Storage In The System		L	294	392	490	294	392	490
Operating Amb. Temp. Range	Cooling		℃	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48
	Heating		℃	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43

Note: -

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.

Specification Outdoor Unit:
DVM Water

- High efficiency
- Reliable operation
- Small foot print
- Minimum noise level
- Heat Recovery System (3 pipe)

Model Name				AM080FXWANR/EU	AM100FXWANR/EU	AM120FXWANR/EU	AM200FXWANR/EU	AM300KXWANR/EU
Power Supply			Φ, V, Hz	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50	3,380-415,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT RECOVERY
Performance	HP		HP	8.00	10.00	12.00	20	30
	Capacity (Nominal)	Cooling	kW	22.40	28.00	33.60	56.00	84
			Btu/h	76,400	95,500	114,600	191,100	286,600
		Heating	kW	25.20	31.50	37.80	63.00	94.5
			Btu/h	86,000	107,500	129,000	215,000	322,400
Power	Power Input (Nominal)	Cooling	kW	3.84	5.05	6.46	10.77	16.80
		Heating		4.12	5.25	6.51	10.86	16.88
	Current Input (Nominal)	Cooling	A	6.20	8.10	10.30	17.30	26.4
		Heating		6.60	8.40	10.40	17.40	26.5
	MCA			16.30	20.00	25.00	39.80	48
	MFA		A	20.00	20.00	30.00	40.00	63
COP	Cooling		kW	5.83	5.54	5.2	5.3	5.0
	Heating		kW	6.12	6.0	5.81	5.8	5.6
Compressor	Type		-	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	Inverter Scroll
Condenser	Type		-	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Plate Heat Exchanger)
	Lost Head		kPa	22	30	43	54	50
	Water Flow Rate		LPM	80.0	96.0	114.0	190.0	285
	Max. Pressure		Mpa	1.96	1.96	1.96	1.96	1.96
Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52	12.70	15.88	19.05
	Gas Pipe		Φ, mm	19.05	22.22	28.58	28.58	34.92
	Discharge Gas Pipe		Φ, mm	15.88	19.05	19.05	28.58	28.58
	Installation Limitation	Max. Length	m	170(190)	170	170	170	170(190)
		Max. Height	m	50.0(40.0)	50.0	50.0	50.0	50.0
Field Wiring	Power Source Wire		mm^2	2.5	2.5	4	4	.75
	Transmission Cable		mm^2	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure		dB(A)	48.0	48.0	50.0	51.0	56
	Sound Power			70.0	70.0	70.0	73.0	
External Dimension	Net Weight		kg	160.0	160.0	160.0	240.0	282
	Shipping Weight		kg	167.0	167.0	167.0	250.0	292
	Net Dimensions (WxHxD)		mm	(770 x 1,000 x 545)	(770 x 1,000 x 545)	(770 x 1,000 x 545)	(1,100 x 1,000 x 545)	(1,100 x 1,000 x 545)
	Shipping Dimensions (WxHxD)		mm	(840 x 1,200 x 620)	(840 x 1,200 x 620)	(840 x 1,200 x 620)	(1,170 x 1,200 x 620)	(1,170 x 1,200 x 620)
Operating Temp. Range	Cooling		℃	10 ~ 45	10 ~ 45	10 ~ 45	10 ~ 45	10 ~ 45
	Heating		℃	10 ~ 45	10 ~ 45	10 ~ 45	10 ~ 45	10 ~ 45

Note: -

1) Nominal cooling capacities are based on;
   -- Indoor temperature : 27∞C DB, 19∞C WB, Inlet water temperature : 30∞C, Equivalent refrigerant piping : 7.5m, Level differences : 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 differences : 0m
3) Sound power level is an absolute value that a sound source generates.
   -- Sound pressure level is a relative value, depending on the distance and acoustic environment.
   -- Sound values are obtained in an anechoic room.
   -- Sound values of multi comvination are theoretical values based on sound results of individual installed units.
4) Nominal heating capacityes are based on Eurovent test conditions:
   -- Indoor temperature : 20∞C DB, 15∞C WB, Inlet water temperature : 10∞C, Outlet water temperature : 7∞C, Equivalent refrigerant piping : 7.5m, Level differences : 0m

Indoor Unit

Cassette type

Offered in a variety of patterns, Samsung cassette type indoor units give the finishing touch to your interior design. We also use the most advanced technologies to offer optimized comfort and pleasure.

Duct type

Duct type indoor units visually blend well into ceilings, enhancing the beauty of your interior space with their compact and slim size that gives you flexible installation options.

Indoor Unit

Wall-mounted type

With their stylish and sophisticated designs, Samsung wall-mounted type air conditioners offer cool, clean, and healthy freshness in everyday living that also optimizes your comfort.

Console and ceiling type

Samsung console and ceiling type air conditioners create a big improvement in air conditioning quality by using an indoor unit both on the floor and ceiling to allow more efficient and convenient installation.

Cassette Type

Experience ultimate comfort at home or work with powerful yet economical performance

Offered in a variety of patterns, Samsung Cassette Type indoor units give a finishing touch to the interior design. We incorporate the most advanced technologies to offer optimized comfort and pleasure.

Combining sleek finishes and innovative technologies, Samsung Cassette Type air conditioning systems offer superior performance, flexible installation and easy operation.

Powerful airflow

Wide blades in the indoor unit deliver cool or warm air at greater distance to provide even cooling and heating throughout the room.

Ceiling dust prevention

The newly designed panel controls air direction in a way to avoid contact with the ceiling. This smart design prevents dust from accumulating on the ceiling after long periods of operation, keeping the interior space cleaner than ever.

Convenient setup

The high lift-up drain pump lifts condensed water up to 750 mm compared to 700 mm for conventional products, allowing for more flexible, convenient installation.

Fresh air intake

Samsung Cassette Type units intake fresh air through the cassette to provide a cleaner, more energizing room atmosphere.

Multi-room cooling

A sub-duct enables the same air conditioner unit to cool an additional smaller space nearby. (The cassette unit is fitted with a knockout component to accommodate for this.)

360 Cassette
Circular Design

Circular design, surround cool

The Samsung 360 Cassette air conditioner offers a brand new way of staying comfortably cool in every corner of the room. Its innovative circular design not only means it perfectly fits in everywhere, adding a sophisticated look to many different sites, but it also blows cool air in all directions, so that the temprature remains same in the entire room*.

Bladeless discharge

360 Cassette bladeless outlet ensures that cool air is gently dispersed, without creating a cold draft**, and doesn't block the airflow, even at low angles, so it expels up to 25% more air* and spreads it farther.

Evenly circulates and cools cvery corner

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

* Samsung testing compared to a general 4 way cassette type air conditioner.

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

Available panels

360 Cassette
Bladeless Discharge

Comfortably cool, not cold

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

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

* Samsung testing compared to a general 4 way cassette type air conditioner.

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

Spreads more air in more ways

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

Circular to perfectly fit in everywhere

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

All round simpler and intuitive control

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

* Optional.

Wind-Free™ 4Way Cassette S
Stylishly clean design

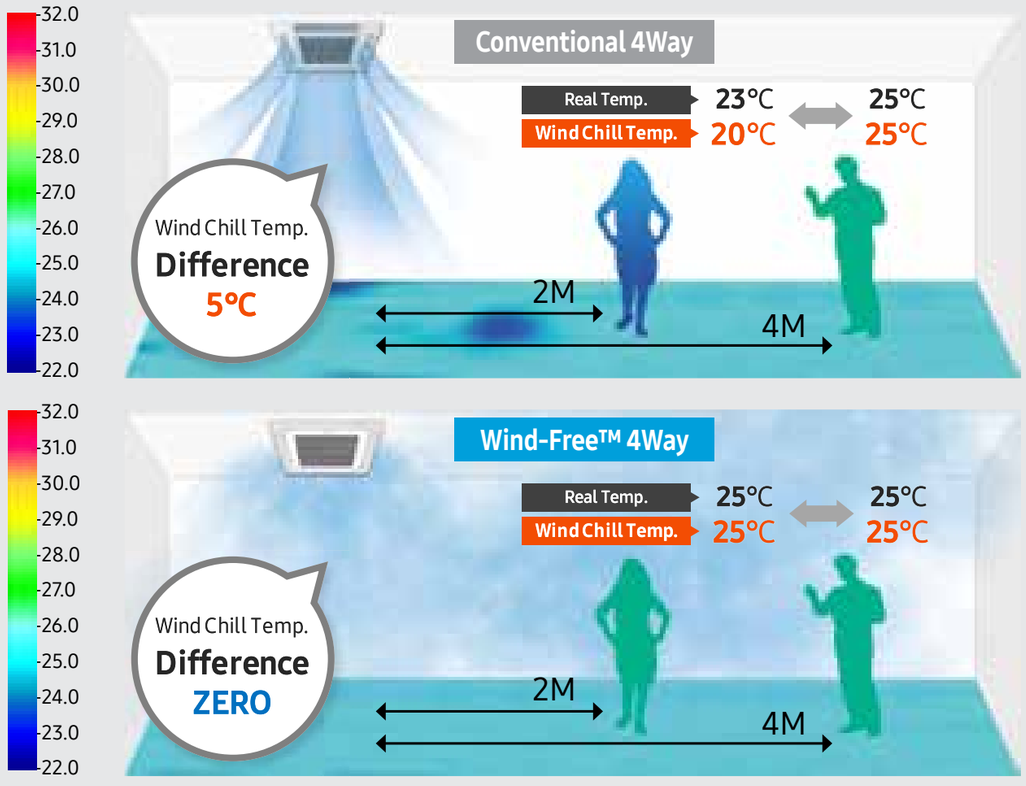
No more cold-draft with Samsung Wind-Free™

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

Wind-Free™ 4Way Cassette S
Robust Operation

Even Cooling in All Area

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



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

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

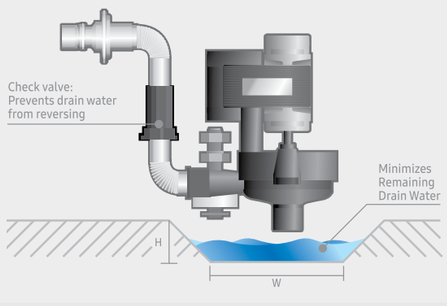
※ Still Air condition: According to ASHRAE, If velocity of wind is lower than 0.15m/s, people can not detect wind. They define that condition as “Still Air”

Streamline management with a flexible design

The Samsung 4Way Cassette S 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.

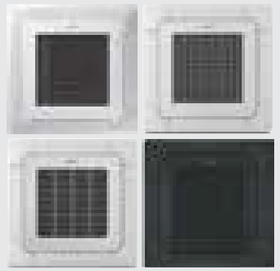
Drip-free operation

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.



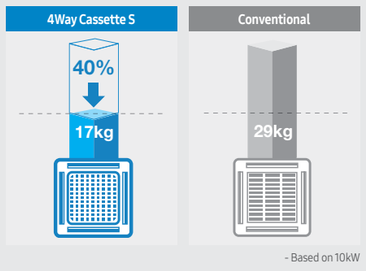
Wind-Free™ 4Way Cassette S
Low Maintenance

Available panels in 4Way Cassette S



Lightweight build

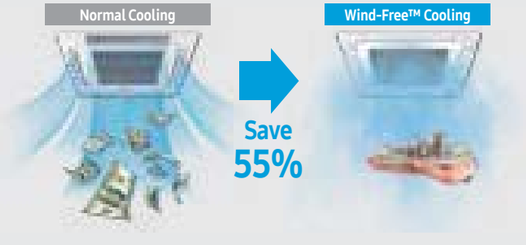
The Samsung 4Way Cassette S indoor unit is now lighter in weight at 17 kg. It is one of the lightest indoor units in the industry, about 40 percent lighter than conventional products.



- Based on 10kW

Energy saving with Wind-Free™ Cooling

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



Achieve peak performance with optimal airflow and superior control

Integrating the most advanced technologies, Samsung 4Way Cassette S 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 4Way Cassette S 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.

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

Full-surround airflow

The 4-way outlet can cool every corner of the room. The new and practical design of the blades minimizes blind spots at the corners of the panel, and can cover nearly a full 360° around the indoor unit.

Cleaner, healthier air

Users can sanitize indoor air with the optional Virus Doctor for a cleaner work or living environment. 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.

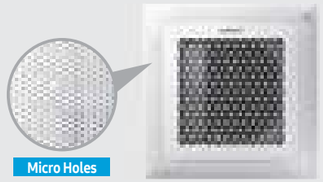
Wind-Free™ 4Way Cassette S (600 x 600)
Tasteful Design, Compact and Lightweight Build

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

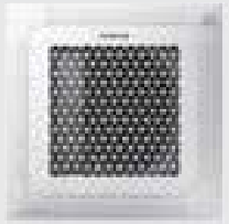
Samsung's advanced 4Way Cassette S (600 x 600) builds on the aesthetic appeal and performance of the standard 4Way Cassette S with an enhanced design. The 4Way Cassette S (600 x 600) comes in a variety of patterns to complement any interior. The stylish cassette unit visually harmonizes with the indoor space, while efficient cooling and heating performance make it a dependable and practical air conditioning solution.

The 4Way Cassette S (600 x 600) 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 ambience 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.



Wind-Free™ 4Way Cassette S (600 x 600)
Tasteful Design, Compact and Lightweight Build



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

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

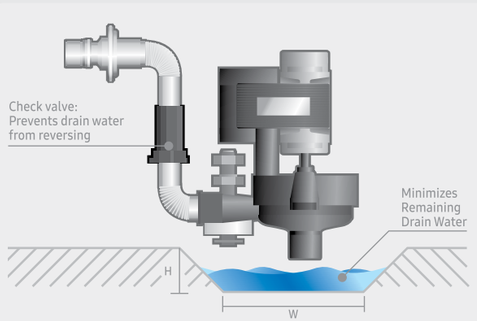
Available panels in 4Way Cassette S (600 x 600)

Customisable Airflow

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

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.

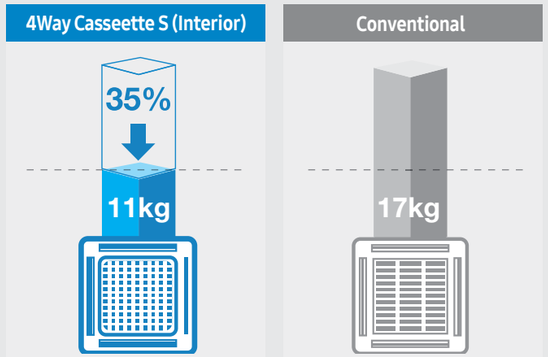


Ultra-compact size

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

Light, robust design

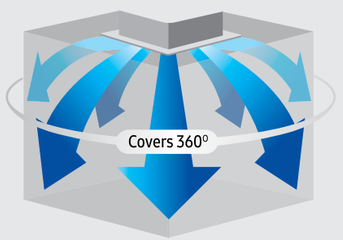
The Samsung 4Way Cassette S (600 x 600) indoor unit is now lighter in weight at 11kg. It is the lightest indoor unit in the industry, about 35 percent lighter than our conventional products.

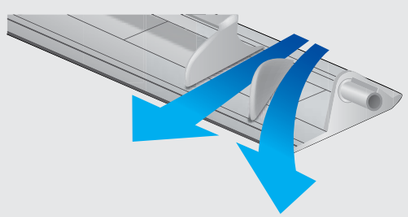


- Based on 3.5kW

Full surround air flow

The 4way outlet can cool every corner of the room. The new and practical design of the blades minimizes blind spots at the corners of the panel, and can cover nearly a full 360° around the indoor unit.





Wind-Free™ 4Way Cassette S (600 x 600)
Enhanced Comfort Control

Create a flawless atmosphere with innovative motion-controlled operation

The optional motion detection sensor (MDS) for 4Way Cassette S (600 x 600)—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

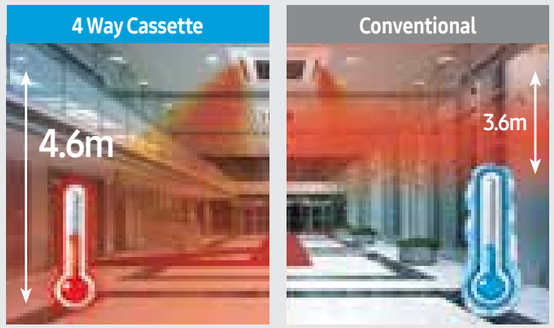
The innovative MDS prevents the indoor unit from distributing airflow directly to individuals for increased comfort. It also reduces the difference of thermal sensation in the body by detecting the temperature around the floor.

Individual blade control

Samsung 4Way Cassette S 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

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



Cleaner, healthier air

Users can sanitize 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.

*Virus Doctor device generates active hydrogen and oxygen ions which eliminate biological contaminants and active oxygen (OH- radical) in the air by turning them into harmless H_2O.

Wind-Free™ Slim 1Way Cassette
Discrete Style and Performance

Wind-Free™ Cooling.

Get cool fast, Stay Cool without Direct Wind

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

Energy Saving with Wind-Free™

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

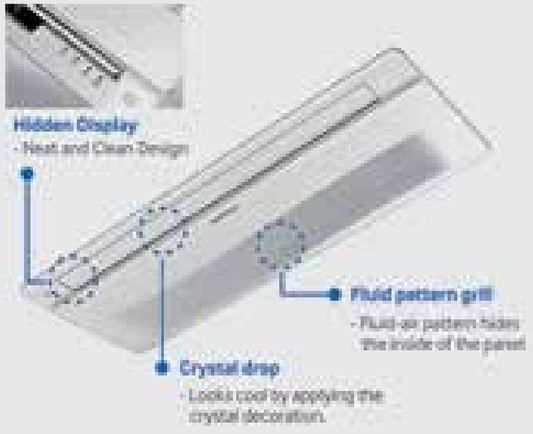
Slim and compact design

At a height of only 135 mm, the Slim 1Way Cassette is one of the world's thinnest indoor air cooling unit. The compact, lightweight design makes installation and maintenance easier than ever with a panel area that's been reduced by up to 30 percent. And with its high performance and understated elegance, the unit blends seamlessly into interiors of all types and styles.

Wind-Free™ Slim 1Way Cassette
Discrete Style and Performance

Enhance any décor with refined elegance and comfort

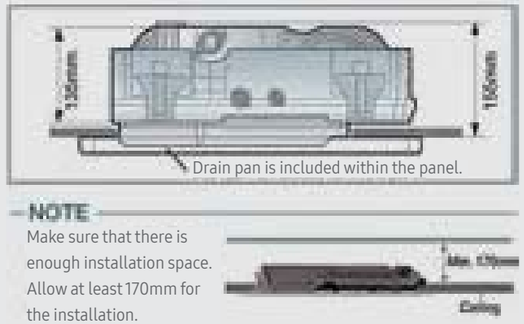
Slim 1Way Cassette features a simple and refined design. The clean lines and simple display design make this a modern classic, which looks great with any interior.



Wind-Free™ Slim 1Way Cassette
Discrete Style and Performance

Ease installation and maintenance with a slim and compact design

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



NOTE

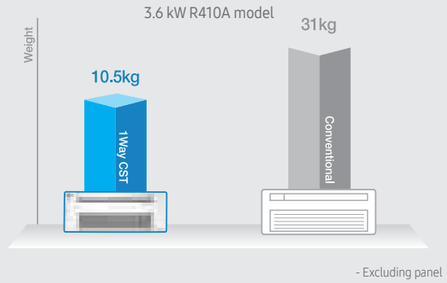
Make sure that there is enough installation space. Allow at least 170mm for the installation.

Air reaches every corner of the room

Blade angle can move from 40 - 80 degree to reach every corner of the room.

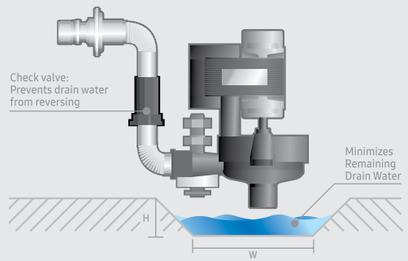
Lighter indoor unit

Samsung has installed ABS cabinets into its indoor units to provide the lightest units on the market.



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 hassles of water stagnation or overflowing drain water dripping into the interior.



Quiet operation

Samsung's new blade design drastically reduces noise levels so that users can relax in peace.

High Fan Speed | **Low Fan Speed**

2Way Cassette
Exceptional Operation and Control

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

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

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

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

2Way Cassette
Exceptional Operation and Control

Create a pleasant atmosphere and maintain it effortlessly

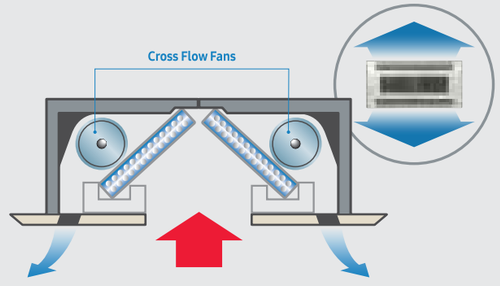
The slim build and smart operation of the Samsung 2Way Cassette make it easy to set the ideal indoor climate even in uniquely sized spaces. And maintaining such comfort levels is just as simple with optimum temperature control and self-diagnosis mode.

Long, narrow fit

With its slim and compact size, the 2Way Cassette indoor unit is just the right air solution for long, narrow places such as corridors and classrooms. This unit saves up to 26 percent more space when compared to conventional 4Way cassettes, and melds quietly into the interior design.

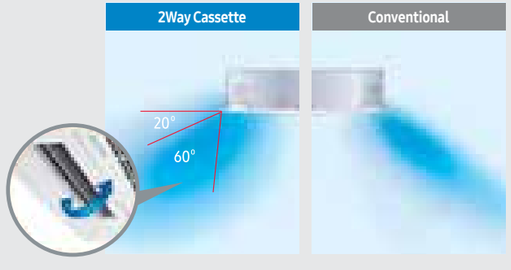
Broad coverage

The Twin Cross Flow Fan integrated into 2Way Cassette spreads cool or warm air farther and wider throughout rectangular spaces with less noise.



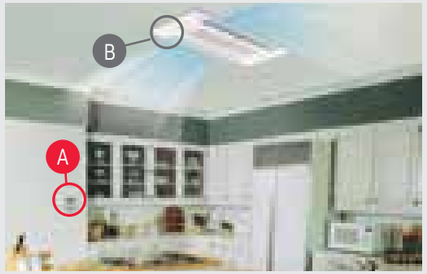
Even airflow distribution

The 2Way Cassette blades swing right and left to evenly distribute cool and warm air to every nook and cranny of the interior, keeping the environment pleasant and comfortable.

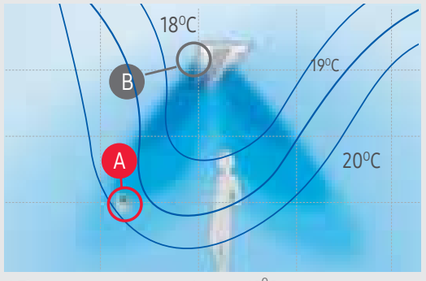


Optimized temperature control

The Optimum Temperature Control function detects and minimizes temperature difference between the top and bottom of the space to maintain an ideal temperature. Users can set the temperature detection option on the indoor unit or with the optional remote controller (MWR-WE10*).



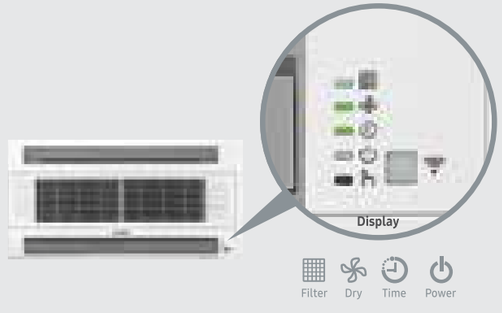
- (A): Temperature set by remote controller
- (B): Temperature set by indoor unit
- Average of (A+B): The average temperature



* The average temperature is set at 19°C

Self-diagnosis mode

In the event of a malfunction, the indoor unit operates the self-diagnosis mode to display an error code indicated by an LED light, enabling users to easily resolve the problem.



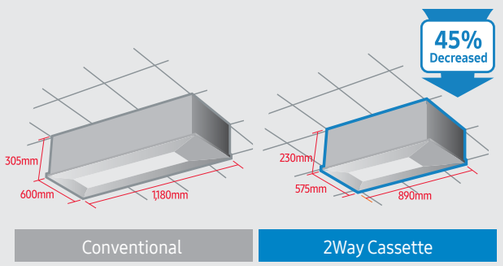
2Way Cassette
Easy, Flexible Installation

Reduce the hassle of installation with a compact size and adaptable design

The modestly sized Samsung 2Way Cassette supports quick, simple setup for the ultimate in convenience, comfort and performance.

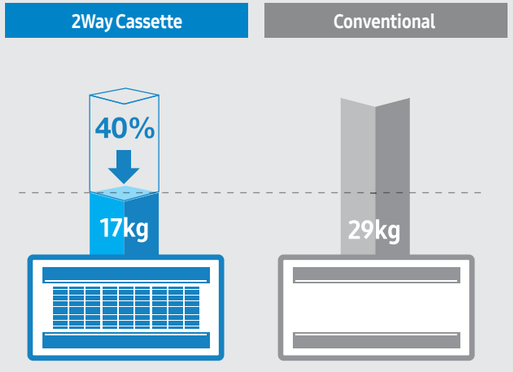
Small size, big performance

The 2Way Cassette indoor unit is now up to 45 percent smaller than conventional models, making it even easier to incorporate into the building design.



Ultra-light weight

A slim and compact size reduces the setup space needed for easy installation and management.



Included Panel Weight 5.6kW

Standardized fit for easy installation

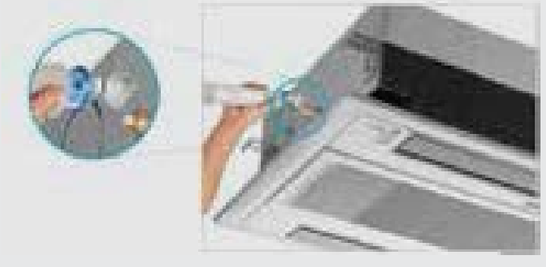
The 2Way Cassette unit dimensions allow for easy installation into standard ceiling grids (600W x 600D) for a tailored fit that blends unnoticeably into the interior framework.

Simple, smart drainage structure

With 750 mm of discharge head, users can install the drain themselves, saving them time and costs.

Advanced drain hose

Samsung's 2Way Cassette system air conditioner uses an advanced drain hose, which is recognized in Europe for its easy installation and leak prevention.



Ducted Type
Efficient Operation

Overview

Samsung Ducted type air conditioning units are a smart solution for low-maintenance, consistent cooling and heating performance in any environment. Their compact, slim frame blends seamlessly into ceilings, enhancing the beauty of the interior space and affording users more flexible installation options.

Various ducted air solutions

Offering a comprehensive lineup, Samsung Ducted type air conditioning units offer just the right solution for every need:

- **Duct S:** This solution features 3way service, automatic air volume, light weight and high EER.
- **Slim Duct:** This solution is a low static pressure model, which is optimized for places such as hotels and residences.
- **Middle Static Pressure (MSP):** This model is specifically designed to enhance interior design for large spaces such as offices, stores, or residences.
- **High Static Pressure (HSP):** This model is optimized for large spaces or places.

Smart pressure control

Samsung Ducted Type units feature a smart pressure control system. This system adjusts the fan speed based on the external static pressure (ESP), delivering consistent cooling and heating power, regardless of the surrounding environment.

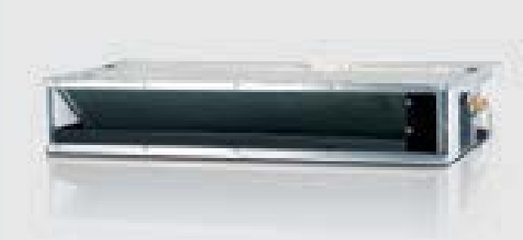
Convenient installation

The optional lift-up drain pump lifts condensed water up to 750 mm, compared to a limit of 700 mm on conventional models, for flexible and convenient installation.

Easy Filter Cleaning

After1,000 hours of operation, the filter clean indicator will notify you that the filter should be cleaned. The filter can be easily removed from the bottom, left, or right of the unit (1,000 hours is the default set time, which can be adjusted to 2,000 hours on the internal PCB.)

Slim Duct
Ultra-Light, Adaptable Design

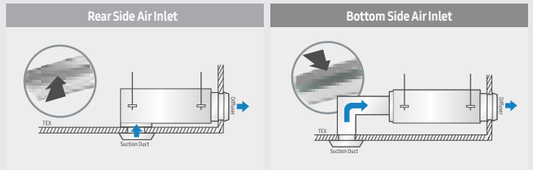


Temper any environment with industry-best lightweight design and optimized airflow

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

Flexible setup

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



Simple drain pump installation

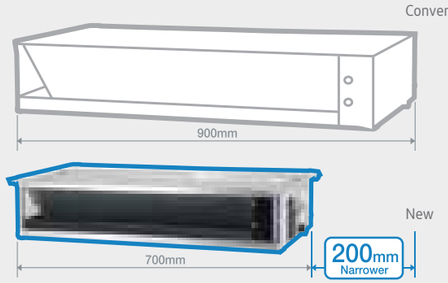
The new drain pump in the Slim Duct unit can be installed from the side by simply removing the right side panel. Users no longer need to disassemble the top cover to install, check or repair the drain pump for maximum convenience.*

Various installation options

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

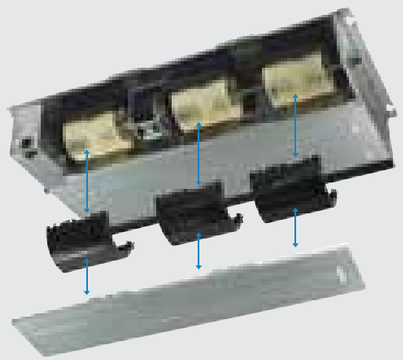
World's lightest weight

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



Easy access, easy maintenance

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



*Inbuilt drain pump option also available.

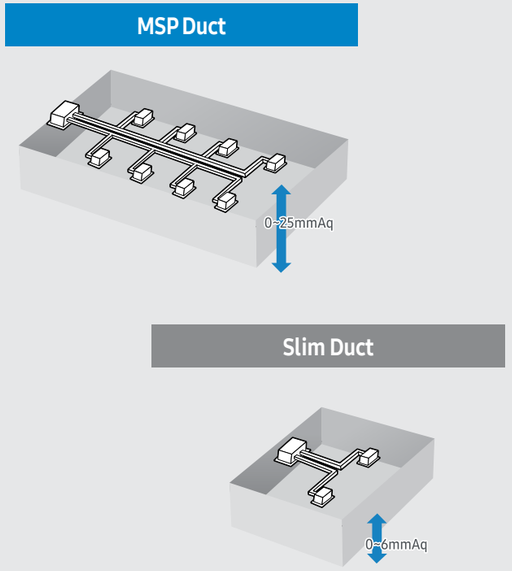
MSP Duct
Silent, Strong Performance

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

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

Extensive coverage

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



Silent operation with the static pressure control

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

Easy upkeep and installation

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

*Inbuilt drain pump option also available.

HSP Duct
Robust, High-Pressure Control

Control the atmosphere effortlessly with robust, adaptable performance

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

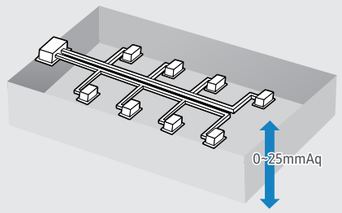
Split fan and coil

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

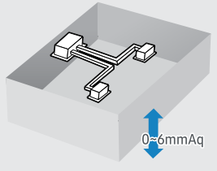
Silent operation

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

HSP Duct



Slim Duct



Truss chamfer (optional)

Samsung believes that products should improve users' quality of life, not to impose more limitations. By making a small change to the product, users now can install the Duct S (AC6000) right next to the roof's edge, freeing up rooftop space for other purposes.

Truss chamfer

Wall Mount (Premium)
Fast, Efficient Cooling Performance

Quickly cool the room while maximizing energy savings

The new Samsung Boracay creates a clean, cool environment quicker than ever with advanced cooling and inverter technology, and superior filtration. Boracay operates at its maximum speed in Turbo Cooling mode to quickly reach the set temperature. Users can also save on energy consumption and expenses with automatic temperature control.

Smart savings, easy management

Smart Saver mode eliminates the inconvenience of turning off the air conditioner when the room is sufficiently cooled, and then turning it back on when the temperature rises. Smart Saver automatically runs the AC in the least amount of time necessary to keep the room comfortable.

Improved dust filtration

A full HD filter ensures the room is kept fresh and clean with enhanced dust and allergen filtration. Filter cleaning is also convenient—simply rinse the filter under running water.

Refreshing sleep

Good sleep mode creates a comfortable bedroom climate that ensures a good night's rest. With automatic temperature and moisture adjustment, all three vital stages of sleep are protected from humidity and heat so users wake up fully rested and refreshed.

Console Type
Luxurious Style and Quiet Performance

Create an exquisite interior complemented by elegant design and quiet performance

The slim, elegant Samsung Console Type indoor unit is designed to perfectly fit spaces with high ceilings and numerous windows while maintaining an optimal indoor temperature. Samsung's console air conditioning solution makes any environment more pleasant and comfortable.

Quiet comfort

This powerful, efficient cooling and heating system makes the room more comfortable than ever before with quiet operation of only 23 dB. Users can select from four different operating modes: high, medium, low and silent (applicable to CAC only).

Slim, low-profile design

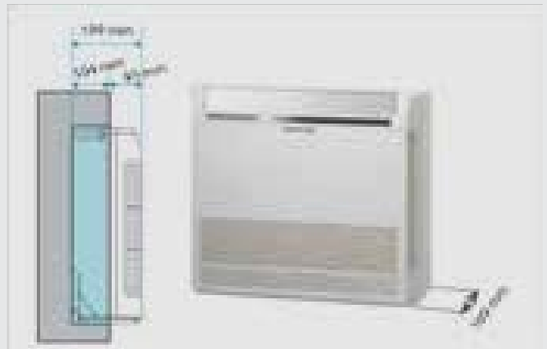
Samsung's console type air conditioner is only 199 mm thick, one of the slimmest in the market. Its unobtrusive design easily integrates into any décor.

Stay-clean panel

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

Sophisticated control

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



Two-way airflow

Featuring a two way air outlet, Samsung's console unit includes two separate air outlets for cooling and heating. The warmer air comes out from the bottom part of the air outlet to spread the warm air evenly throughout the room. Users stay cooler or warmer in every corner of the room.

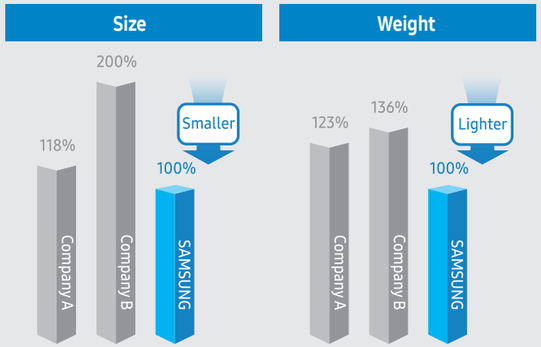
Ceiling Type
Slim Yet Functional Design

Distribute refreshing airflow where needed with a compact, flexible design

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

Small package, big performance

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



- Based on internal research

7.1kW Model

Comfortable airflow control

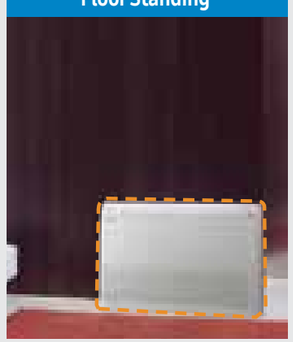
The purpose of air conditioners is to provide a pleasant indoor environment for users. To better serve this purpose, Samsung 4Way Cassette S provides a Comfort Airflow Control function that prevents cold drafts. When the room temperature reaches 23°C during cooling mode, the indoor unit reduces the amount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

Choice of installation options

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

Under Ceiling

Floor Standing



Ceiling Type
Powerful Cooling with a Long Distance Wind

Combine simple, neat and innovative technologies to experience superior performance and easy operation

Samsung has been rewriting product descriptions beyond the industry standards. As one of such company's product, Samsung Ceiling focuses on sending "sufficient" amount of conditioned air to "distant" places to cover huge area. For convenient installations and maintenance, the Ceiling concentrates service direction on one side. Do not get stressed with air conditioning. Just leave it to Samsung Ceiling.

Fast cooling, up to 15m airflow

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

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

Simple display

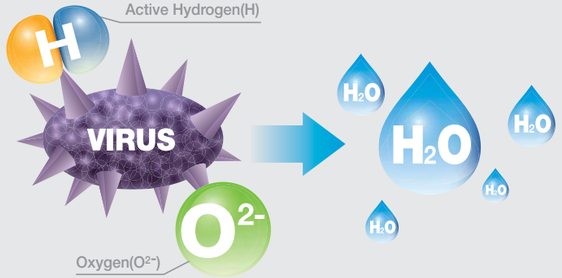
The simple display design with its rounded corners adds a neat and tidy feeling to your interior

- Ice Blue : Operating
- Yellow Green : Schedule
- Red : Error
- Orange : Filter Alarm

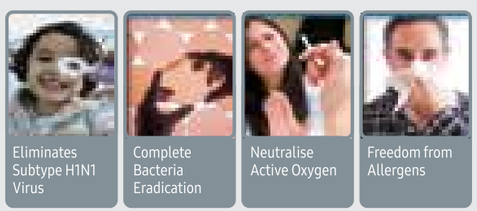
Time Limit + Operating Pattern

Cleaner, healthier air

Users can sanitize indoor air with the optional Virus Doctor for a cleaner work or living environment. 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.



Virus & Active Hydrogen	Turns into Harmless H_2O



Eliminates Subtype H1N1 Virus	Complete Bacteria Eradication	Neutralise Active Oxygen	Freedom from Allergens

Floor Standing Type
Powerful Cooling

Better choice for simple installation

Solve all problems of installation with DVM floor standing unit. With long and wide distance airflow, floor standing unit is suitable for multiple applications including restaurant, church, classroom, aisle, DVM floor standing indoor units provides powerful cooling.

Key Features

Powerful cooling – Long and wide distance airflow

Superfor 28.0kW

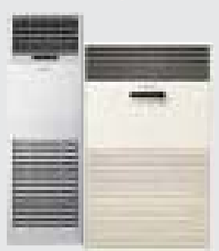
Easy control thanks to touch display panel

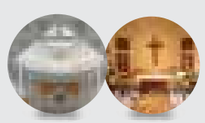
- You need not find Remote Controller anymore
- It lets you control the temperature and airflow more easily

- Wide & Auto Blade
- Anti-Bacterial Heat Exchanger
- Anti-Bacterial Full HD Filter

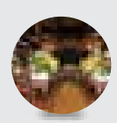
Product concept

Floor Standing Type can correspond to various installation

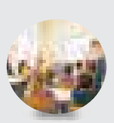




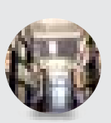
Church or Mosque



General Restaurant



Class Room



Aisle

Hydro unit
All-in-One System

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.

A choice of hot options

The Samsung DVM S Hydro system is available in two different types to suit users' hot water needs. The DVM S Hydro HE provides water at a mid temperature of up to 50°C, while the DVM S Hydro HT's advanced Cascade Cycle technology generates much hotter water at up to 80°C. So, whatever the demands, Samsung offers the perfect solution to satisfy the requirements of various sites.

Simplified control

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

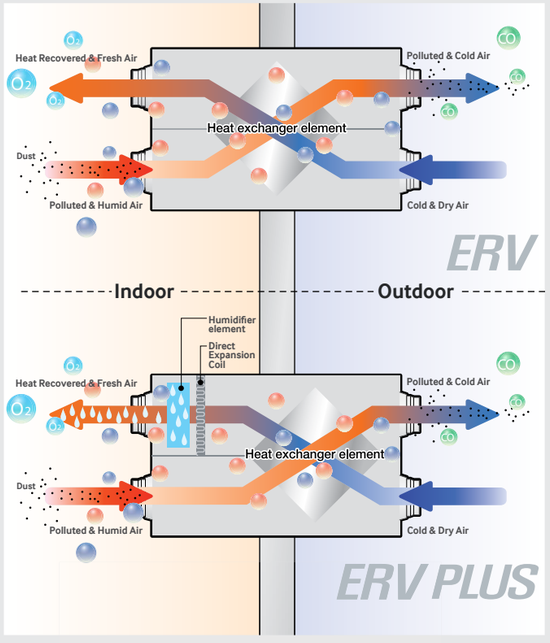
ERV / ERV Plus
Superior Energy Savings

Enjoy high-efficiency ventilation for a more refreshing atmosphere

Indoor air quality is gaining more attention as more people are becoming 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, healthy air from outside while minimizing energy loss for maximum efficiency. Its intelligent structure incorporates features specifically designed for flawless ventilation and efficient operation.

Heat Recovering Method of ERV System



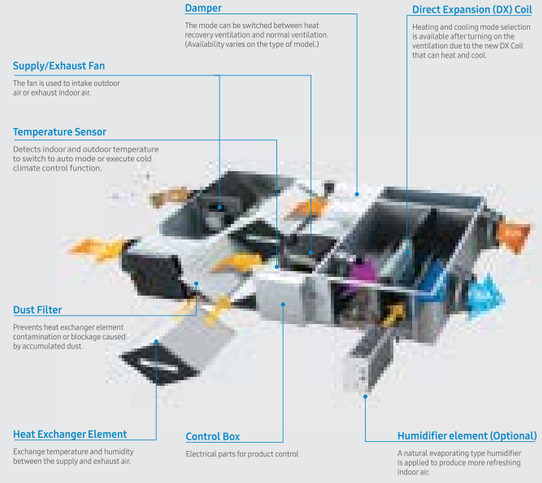
The Samsung ERV and ERV Plus air conditioner systems deliver optimal efficiency, quality and performance with features such as:

- **Superior energy savings:** Lower energy consumption and costs with a direct expansion (DX) coil and advanced heat exchange.
- **Enhanced performance:** Enjoy fresher air, quieter operation and humidity control for a more pleasant environment.
- **Optimized design:** Ease installation and drive higher, more efficient airflow with a slim, compact design.

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 two 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.



ERV / ERV Plus
Superior Energy Savings

Auto mode

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

Energy saving mode

Samsung ERV systems, coupled with an air conditioner, provide world-class energy-saving solutions to intelligently reduce air conditioner operation hours. Decreased air conditioner operation lessens the cooling and heating load while maintaining optimal performance.

Enhance the indoor environment with ultimate freshness and distraction-free operation

With Samsung ERV and ERV Plus systems, users can enjoy high-performance comfort throughout their environment with crisp air quality and low noise levels.

Fresh air without temperature loss

ERV PLUS is equipped with a direct expansion coil to pre-condition the outdoor air that enters the indoor environment. Outdoor air passes through the DX coil to produce fresh air without any temperature loss.

Ideal humidity levels

Users can maintain a perfect indoor humidity level with an optional humidifier element. The Samsung humidifier kit delivers high-efficiency moisture balancing with its large humidification area. Plus, the ERV self-cleaning function, which sprays water from the top of the device when the system starts, prevents offensive odors caused by dust and other particle accumulation.

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.

Peaceful performance

Samsung ERV units feature Quiet Mode for more discreet operation compared to ordinary ventilators.

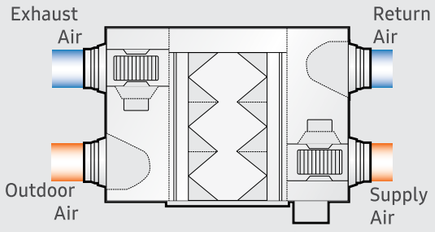
ERV / ERV Plus
Optimized Design

Simplify installation and expand airflow with an efficiency-boosting design

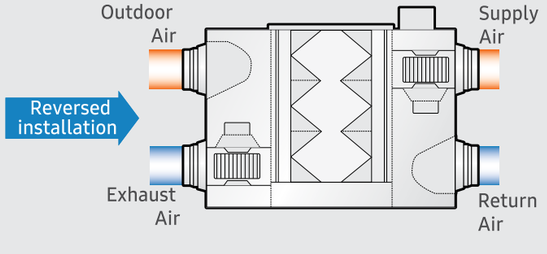
Samsung ERV and ERV Plus offer a smart, efficient design that enables users to deliver fresher air wherever needed with more installation options.

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).

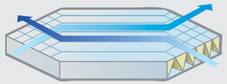


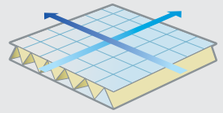
Space for service



Perfect design for maximum airflow

The new diamond type heat exchanger features an optimized airflow design. This element is compact in size, but offers higher efficiency than conventional rectangular and hexagonal type heat exchangers.

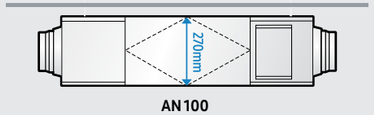

Hexagonal Type


Rectangular Type

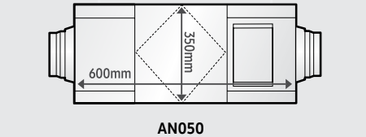

Diamond Type

Slim build

Samsung's advanced technology promotes a slim, compact product. By applying a highly efficient heat exchanger element, Samsung has been able to reduce the ERV system's height to 270 mm. Compared to traditional units with rectangular-type heat exchangers, Samsung ERV units use space more efficiently with their slim, diamond-shaped design.



AN100
1,000 CMH



AN050
500 CMH

Indoor Unit Line Up

Capacity (TR)	0.6	0.8	1.0	1.3	1.6	1.7	2.0	2.6	3.2	3.6	4.0	4.6	5.0	6.4	8.0
Capacity (kW)	2.2	2.8	3.6	4.5	5.6	6.0	7.1	9.0	11.2	12.8	14.0	16.0	18.0	22.4	28.0
Boracay															
Ceiling															
Floor Standing															
360 Cassette															
Slim 1 Way Cassette Also avaible in Wind-Free™															
2 Way Cassette															
4 Way Cassette Also avaible in Wind-Free™															
Mini 4 Way Cassette Also avaible in Wind-Free™															
Slim Duct															
MSP Duct															
HSP Duct															
Capacity (TR)	4.6	7.11	9.0	14.3											
DVM Hydro															

Specification
Indoor Units

360 Cassette

- Perfect even cooling
- Cold draft free
- Bladeless discharge
- Stylish design

Model				AM056KN4DEH/TL	AM071KN4DEH/TL	AM090KN4DEH/TL	AM112KN4DEH/TL	AM128KN4DEH/TL	AM140KN4DEH/TL
Power Supply			Ø, V, Hz	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50
Mode			-	HP	HP	HP	HP	HP	HP
Performance	Capacity (Nominal)	Cooling	kW	5.6	7.1	9	11.2	12.8	14
			Btu/h	19,100	24,200	30,700	38,200	43,700	47,800
		Heating	kW	6.3	8.0	10.0	12.5	13.8	16.0
			Btu/h	21,500	27,300	34,100	42,700	47,100	54,600
Power	Power Input (Nominal)	Cooling	W	30	34	55	53	77	91
	Current Input (Nominal)	Cooling	A	0.21	0.25	0.42	0.41	0.62	0.75
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Airflow Rate	H/M/L (UL)	CFM	565/512/476	635/565/494	776/653/565	900/741/618	1040/846/670	1112/935/741
Piping Connections	Liquid Pipe		Ø, mm	6.35	9.52	9.52	9.52	9.52	9.52
	Gas Pipe		Ø, mm	12.7	15.9	15.9	15.9	15.9	15.9
	Drain Pipe		Ø, mm	VP25(OD32/ID25)	VP25(OD32/ID25)	VP25(OD32/ID25)	VP25(OD32/ID25)	VP25(OD32/ID25)	VP25(OD32/ID25)
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Pressure	High / Mid / Low	dB(A)	34/32/29	36/33/30	40/36/32	40/36/32	42/38/33	44/40/35
Dimension	Net Weight		kg	21	21	21	24	24	24
	Shipping Weight		kg	25	25	25	29	29	29
	Net Dimensions (WxHxD)		mm	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Shipping Dimensions (WxHxD)		mm	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990
Panel Size	Panel Model (Square)		-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Panel Net Weight		kg	3.6	3.6	3.6	3.6	3.6	3.6
	Shipping Weight		kg	6.0	6.0	6.0	6.0	6.0	6.0
	Net Dimensions (WxHxD)		mm	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000
	Shipping Dimensions (WxHxD)		mm	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083
Additional Accessories	Drain Pump	Drain Pump	- / Model	Built In	Built In	Built In	Built In	Built In	Built In
		Max. lifting Height /Displacement	mm/L/h	750/24	750/24	750/24	750/24	750/24	750/24

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers

AR-KH00E

MWR-WE13N

White/Black Panel

PC4NUNMAN

PC4NBNMAN

PC4NUDMAN

PC4NBDMAN

Specification
Indoor Units

4Way Cassette S

- Virus Doctor (Optional)
- Surround flow
- Individual blade control
- Fan speed adjustment for high ceiling

Model Code			AM045NN4DEH/TL	AM056NN4DEH/TL	AM071NN4DEH/TL	AM090NN4DEH/TL	AM112NN4DEH/TL	AM128NN4DEH/TL	AM140NN4DEH/TL
Power Supply (Indoor Unit)		[Φ, V, Hz]	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50
Mode			HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	[kW]	4.50	5.60	7.10	9.00	11.20	12.80	14.00
	Cooling	[Btu/h]	15,400	19,100	24,200	30,700	38,200	43,700	47,800
	Heating	[kW]	5.00	6.30	8.00	10.00	12.50	13.80	16.00
	Heating	[Btu/h]	17,100	21,500	27,300	34,100	42,700	47,100	54,600
Power Input	Cooling	[W]	32.00	32.00	45.00	62.00	78.00	73.00	89.00
	Heating	[W]	32.00	32.00	45.00	62.00	78.00	73.00	89.00
Current Input	Cooling	[W]	0.22	0.22	0.31	0.43	0.55	0.51	0.62
	Heating	[W]	0.22	0.22	0.31	0.43	0.55	0.51	0.62
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Piping Connections	Liquid Pipe	(Φ, mm)	6.35	6.35	9.52	9.52	9.52	9.52	9.52
	Gas Pipe	(Φ, mm)	12.70	12.70	15.88	15.88	15.88	15.88	15.88
	Drain Pipe	(Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure		33/32/30	33/32/30	35/34/33	39/36/33	40/38/35	42/40/35	44/41/35
Dimensions	Net Weight	Kg	15.00	15.00	15.00	15.00	16.50	18.50	18.50
	Shipping Weight	Kg	18.50	18.50	18.50	18.50	20.00	22.50	22.50
	Net Dimensions (WxHxD)	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
	Shipping Dimensions (WxHxD)	mm	898 x 275 x 898	898 x 275 x 898	898 x 275 x 898	898 x 275 x 898	898 x 316 x 898	898 x 357 x 898	898 x 357 x 898
Weight	Net Weight	(kg)	15.00	15.00	15.00	15.00	16.50	18.50	18.50
	Shipping Weight	(kg)	18.50	18.50	18.50	18.50	20.00	22.50	22.50
Panel Size	Panel model		PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight	(kg)	6.30	6.30	6.30	6.30	6.30	6.30	6.30
	Shipping Weight	(kg)	8.70	8.70	8.70	8.70	8.70	8.70	8.70
	Net Dimensions (WxHxD)	(mm)	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950
	Shipping Dimensions (WxHxD)	(mm)	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers


MWR-WE13N


AR-EH03E


MWR-SH00N

Panel Options

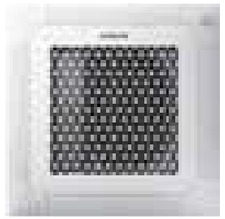

PC4NWFKEN


PC4NUSKAN


PC4NBSKAN


PC4NUSKEN

Specification
Indoor Units



Mini 4Way Cassette S

- Compact and light unit
- Virus Doctor (Optional)
- Motion detect sensor (Optional)
- No overflowing drain water

Model Code			AM022FNNDEH/TL	AM028NNNDEH/TL	AM036NNNDEH/TL	AM045NNNDEH/TL	AM056NNNDEH/TL
Power Supply (Indoor Unit)		[Φ, V, Hz]	1/220~240/50	1,220-240,50	1,220-240,50	1,220-240,50	1,2,220-240,50
Mode			HP	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	[kW]	2.2	2.80	3.60	4.50	5.60
	Cooling	[Btu/h]	7500	9,600	12,300	15,400	19,100
	Heating	[kW]	2.5	3.20	4.00	5.00	6.30
	Heating	[Btu/h]	8500	10,900	13,600	17,100	21,500
Power Input (Nominal)	Cooling	[W]	18.00	18.00	20.00	23.00	28.00
	Heating	[W]	18.00	18.00	20.00	23.00	28.00
Current Input (Nominal)	Cooling	[W]	0.17 A	0.17 A	0.19 A	0.22 A	0.27 A
	Heating	[W]	0.17 A	0.17 A	0.19 A	0.22 A	0.27 A
Fan	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Piping Connections	Liquid Pipe	(Φ, mm)	6.35	6.35	6.35	6.35	6.35
	Gas Pipe	(Φ, mm)	12.7	12.7	12.7	12.7	12.7
	Drain Pipe	(Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Control Method		EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	dBA	33/30/26	33/30/26	34/30/26	36/34/32	39/36/33
Weight	Net Weight	(kg)	12.00	12.00	12.00	12.00	12.00
	Shipping Weight	(kg)	14.00	14.00	14.00	14.00	14.00
Panel Size	Panel model		PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Panel Net Weight	(kg)	2.70	2.70	2.70	2.70	2.70
	Shipping Weight	(kg)	4.20	3.90	3.90	3.90	3.90
	Net Dimensions (WxHxD)	(mm)	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Shipping Dimensions (WxHxD)	(mm)	714 x 106 x 724	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers


MWR-WE13N


AR-EH03E


MWR-SH00N

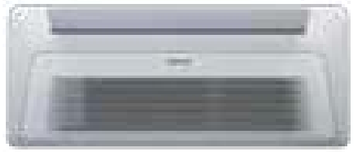
Panel Options


PC4SWFMFN


PC4SCSMBN


PC4SUSMFN

Specification
Indoor Units



Slim 1Way Cassette

- Slim and compact design
- Quiet operation
- No overflowing drain water
- Stylish Design

Model			AM022NN1DEH/TL	AM028NN1DEH/TL	AM036NN1DEH/TL	AM056NN1DEH/TL	AM071NN1DEH/EU
Power Source		[Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50/60	1,2,220-240,50
Mode		-	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling	[kW]	2.20	2.80	3.60	5.60	7.10
	Cooling	[Btu/h]	7,500	9,600	12,300	19,100	24,200
	Heating	[kW]	2.50	3.20	4.00	6.30	8.00
	Heating	[Btu/h]	8,500	10,900	13,600	21,500	27,300
Power Input (Nominal)	Cooling	[W]	40.00	45.00	50.00	55.00	80.00
	Heating	[W]	40.00	45.00	50.00	55.00	80.00
Current Input (Nominal)	Cooling	[W]	0.20 A	0.23 A	0.25 A	0.28 A	0.40 A
	Heating	[W]	0.20 A	0.23 A	0.25 A	0.28 A	0.40 A
Fan	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
Piping Connections	Liquid Pipe (Φ, mm)	(Φ, mm)	6.35	6.35	6.35	6.35	9.52
	Gas Pipe (Φ, mm)	(Φ, mm)	12.70	12.70	12.70	12.70	15.88
	Drain Pipe (Φ,mm)	(Φ,mm)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	-	29 / 26 / 24	32 / 28 / 24	37 / 33 / 30	41 / 38 / 35	42 / 39 / 36
Weight	Net Weight(kg)	(kg)	10	10	10	13.5	13.5
	Shipping Weight (kg)	(kg)	12.8	12.8	12.8	17.3	17.3
Panel Size	Panel model	-	PC1NWFMAN	PC1NWFMAN	PC1NWFMAN	PC1BWFMAN	PC1BWFMAN
	Panel Net Weight (kg)	(kg)	4.3	4.3	4.3	5.0	5.0
	Shipping Weight (kg)	(mm)	6.3	6.3	6.3	7.0	7.0
	Net Dimensions (WxHxD) (mm)	(mm)	1198 x 35 x 500	1198 x 35 x 500	1198 x 35 x 500	1410 x 35 x 500	1410 x 35 x 500
	Shipping Dimensions (WxHxD)	(mm)	1262 x 124 x 568 mm	1262 x 124 x 568	1262 x 124 x 568	1262 x 124 x 568	1262 x 124 x 568

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers


MWR-WE13N


AR-EH03E


MWR-SH00N

Panel Options

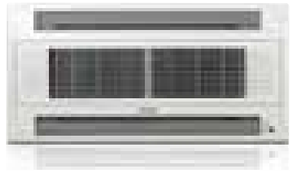

PC1NWFMAN / PC1BWFMAN


PC1NUSMAN/ PC1BWSEAN

PC1NUPMAN/ PC1BWPEAN


PC1NWSMAN/ PC1BWSMAN

Specification
Indoor Units



2Way Cassette

- Standard formula for easy installation
- Twin cross flow fan
- Small size, big performance
- Ultra light weight

Model				AM056FN2DEH/TL	AM071FN2DEH/TL
Power Source			Ø/V/Hz	1/220~240/50	1/220~240/50
Mode			-	HP	HP
Performance	Capacity	Cooling	kW	5.6	7.1
			Btu/h	19,100	24,200
		Heating	kW	6.3	8.0
			Btu/h	21,500	27,300
Power	Input		W	70.00	75.00
	Running Current		A	0.38	0.40
Sound	Sound Pressure(High/Low)		dB(A)±3	38/35	41/37
Fan	Type		-	Crossflow Fan	Crossflow Fan
Airflow Rate	H/M/L		CFM	494/459/423	529/494/459
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Piping Connections	Liquid (Flare)		Ø,mm	6.35	9.52
	Gas (Flare)		Ø,mm	12.7	15.88
	Drain (Quick Lock)		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Weight	Net Weight		kg	21.0	22.0
	Shipping Weight		kg	25.0	26.0
Set Size	Net Dimensions(WxHxD)		mm	890 x 230 x 575	890 x 230 x 575
	Shipping Dimensions(WxHxD)		mm	1,077 x 299 x 642	1,077 x 299 x 642
Panel Size	Model		-	PC2NUSMEN	PC2NUSMEN
	Net Weight		kg	4.0	4.0
	Shipping Weight		kg	8.0	8.0
	Net Dimensions(WxHxD)		mm	1030 x 25 x 650	1030 x 25 x 650
	Shipping Dimensions(WxHxD)		mm	1103 x 151 x 727	1103 x 151 x 727
Standard Accessories	Filter/Safety Grille		-	Long life filter	Long life filter
	Drain Pump (Lift/Displacement)		mm/L/h	750 / 24	750 / 24

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers


MWR-WE13N


AR-EH03E


MWR-SH00N

Panel


PC2NUSMEN

Specification
Indoor Units

Slim Duct

- Flexible installation
- Easier drain pump installation
- Slim design
- Easy to maintain

Model				AM022FNLDEH/TL	AM028FNLDEH/TL	AM036FNLDEH/TL	AM045FNLDEH/TL	AM056FNLDEH/TL	AM071FNLDEH/TL	AM090FNLDEH/EU	AM112FNLDEH/EU	AM128FNLDEH/EU	AM140FNLDEH/EU
				AM022KNLDEH/TL*	AM028KNLDEH/TL*	AM036KNLDEH/TL*	AM045KNLDEH/TL*	AM056KNLDEH/TL*	AM071KNLDEH/TL*	-	-	-	-
Power Source			Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Mode			-	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP
Performance Capacity		Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	12.8	14.0
			Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	30,700	38,200	43,700	47,800
		Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	13.8	16.0
			Btu/h	8,500	10,900	13,600	17,100	21,500	27,300	34,100	42,700	47,100	54,600
Power	Input		W	55.00	60	65	90	95	120	170	170	200	220
	Running Current		A	0.30	0.32	0.33	0.52	0.53	0.6	0.96	0.96	1.28	1.43
Sound	Sound Pressure(High/Low)		dB(A)±3	26/21	28/23	32/27	35/26	36/31	38/33	37/34	37/34	37/34	39/36
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
Airflow Rate	H/M/L		CFM	247/215/187	265/233/198	265/233/198	388/339/293	423/371/318	582/529/476	1023/953/882	1100/1023/953	1200/1129/1059	1270/1200/1129
	External Static Pressure	Standard (Min.~Max.)	mmAq	1(0~3)	1(0~3)	1(0~3)	2(0~4)	2(0~4)	2(0~4)	3(0~6)	3(0~6)	3(0~6)	3(0~6)
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Piping Connections	Liquid (Flare)		Ø,mm	6.35	6.35	6.35	6.35	6.35	9.52	9.52	9.52	9.52	9.52
	Gas (Flare)		Ø,mm	12.7	12.7	12.7	12.7	12.7	15.88	15.88	15.88	15.88	15.88
	Drain		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Weight	Net Weight		kg	19.0	19.0	19.5	23.5	23.5	30.0	44.0	44.0	46.0	46.0
	Shipping Weight		kg	23.0	23.0	23.5	28.0	28.0	35.0	52.0	52.0	54.0	54.0
Set Size	Net Dimensions(WxHxD)		mm	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	900 x 199 x 600	900 x 199 x 600	1100 x 199 x 600	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690
	Shipping Dimensions(WxHxD)		mm	950 x 270 x 710	950 x 270 x 710	950 x 270 x 710	1150 x 280 x 710	1150 x 280 x 710	1350 x 280 x 710	1575 x 370 x 835	1575 x 370 x 835	1575 x 370 x 835	1575 x 370 x 835
Standard Accessories	Filter/Safety Grille		-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter
Optional Accessories	Duct Receiver Kits	Receiver	-	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N
	Drain Pump		-/Model	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D

*These models are avaiable with inbuilt drain pump.

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers


MWR-WE13N


AR-EH03E

MRK-A10N


MWR-SH00N

Optional Accessories

Drain Pump


MDP-E075SEE3D (2.2~14 kW)

Specification
Indoor Units

MSP Duct

- Narrow width
- Strong and large coverage area
- Silent operation with the static pressure control
- Easy to maintain

Model				AM022FNMDEH/EU	AM028FNMDEH/EU	AM036FNMDEH/EU	AM045FNMDEH/EU	AM056FNMDEH/TL	AM071FNMDEH/TL	AM090FNMDEH/TL	AM112FNMDEH/TL	AM128FNMDEH/TL	AM140FNMDEH/TL	AM160KNMDEH/TL
				-	-	-	-	AM056KNMDEH/TL*	AM071KNMDEH/TL*	AM090KNMDEH/TL*	AM112KNMDEH/TL*	AM128KNMDEH/TL*	AM140KNMDEH/TL*	–
Power Source			Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1,2,220-240,50
Mode			-	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP	HP
Performance	Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	12.8	14.0	16.0
			Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	30,700	38,200	43,700	47,800	54,630
		Heating	kW	2.5	3.2	4	5	6.3	8.0	10.0	12.5	13.8	16.0	18.0
			Btu/h	8,500	10,900	13,600	17,100	21,500	27,300	34,100	42,700	47,100	54,600	61,460
Power	Input		W	80.00	80	85	125	130	190	240	260	370	410	485
	Running Current		A	0.40	0.40	0.55	1.15	1.1	1.25	1.3	1.17	1.67	1.86	2.24
Sound	Sound Pressure(High/Low)		dB(A)±3	23/19	24/19	29/24	32/28	35/31	39/31	40/34	41/38	41/38	42/36	43/40/36
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
Airflow Rate	H/M/L		CFM	300/265/222	353/325/265	423/360/303	494/423/371	512/458/406	653/600/547	688/635/582	953/882/812	1129/1059/988	1306/1200/1094	1517/1341/1076
	External Static Pressure	Standard (Min.~-Max.)	mmAq	2(0~6)	2(0~6)	2(0~6)	4(0~8)	4(0~8)	4(0~8)	6(4~8)	8(4~12)	8(4~14)	8(4~14)	8(4~14)
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
	Liquid (Flare)		Ø,mm	6.35	6.35	6.35	6.35	6.35	9.52	9.52	9.52	9.52	9.52	9.52
	Gas (Flare)		Ø,mm	12.7	12.7	12.7	12.7	12.7	15.88	15.88	15.88	15.88	15.88	15.88
	Drain		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Weight	Net Weight		kg	23.5	23.5	23.5	29	29.0	29.0	34.0	36.0	52.0	52.0	50
	Shipping Weight		kg	28	28	28	33	33.0	33.0	39.0	42.0	59.0	59.0	57
Set Size	Net Dimensions(WxHxD)		mm	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	900 x 260 x 480	900 x 260 x 480	900 x 260 x 480	1150 x 260 x 480	1150 x 320 x 480	1200 x 360 x 650	1200 x 360 x 650	1200 x 360 x 650
	Shipping Dimensions(Wx-HxD)		mm	1150 x 280 x 710	1150 x 280 x 710	1150 x 280 x 710	1170 x 340 x 595	1170 x 340 x 595	1170 x 340 x 595	1420 x 340 x 595	1420 x 400 x 595	1480 x 420 x 790	1480 x 420 x 790	1456 x 434 x 778
Standard Accessories	Filter/Safety Grille		-	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter
Optional Accessories	Duct Receiver Kits	Receiver	-	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N
	Drain Pump		-/Model	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-M075SGU3D	MDP-M075SGU3D	MDP-M075SGU3D	MDP-M075SGU1D	MDP-M075SGU1D	MDP-M075SGU2D	MDP-M075SGU2D	MDP-M075SGU2D

*These models are avaiable with inbuilt drain pump.

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers


MWR-WE13N


AR-EH03E


MRK-A10N


MWR-SH00N

Optional Accessories

Drain Pump


MDP-E075SEE3D (2.2 kW~3.6kW)
MDP-M075SGU3D (4.5 kW~7.1kW)
MDP-M075SGU1D (9.0 kW~11.2kW)
MDP-M075SGU2D (12.8 kW~16.0kW)

Specification
Indoor Units

HSP Duct

- High external static pressure
- Strong and large coverage area
- Silent operation with the static pressure control
- Easy to maintain

Model				AM112FNHDEH/EU	AM128FNHDEH/EU	AM140FNHDEH/EU	AM220FNHDEH/EU	AM280FNHDEH/EU	AM180JNHFKH/EU	AM224JNHFKH/EU
Power Source			Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP	HP	HP	HP	HP	HP/HR	HP/HR
Performance	Capacity	Cooling	kW	11.2	12.8	14.0	22.4	28	18.0	22.4
			Btu/h	38,200	43,700	47,800	76,400	95,500	61400	76400
		Heating	kW	12.5	13.8	16	25.0	31.5	20.0	25.0
			Btu/h	42,700	47,100	54,600	85,300	1,07,500	68240	85300
Power	Input		W	305	333	385	530	790	340	530
	Running Current		A	2.35	2.58	3	3.8	5.9	1.9	2.9
Sound	Sound Pressure(High/Low)		dB(A)±3	43/39	45/42	46/44	45/41	48/43	43 / 39 / 35	44 / 40 / 36
Fan	Type		-	Sirocco Fan / AC	Sirocco Fan / AC	Sirocco Fan / AC	Sirocco Fan / AC	Sirocco Fan / AC	Sirocco Fan	Sirocco Fan
Airflow Rate	H/M/L		CFM	1129/953/812	1235/1094/988	1376/1164/988	2047/1835/1659	2541/2294/2047	2047/1764/1517	2541/2153/1764
	External Static Pressure	Standard (Min.~-Max.)	mmAq	10(5~20)	10(5~20)	10(5~20)	15(5~25)	15(5~28)	5.0/7.34/20	5.0/7.34/20
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Piping Connections	Liquid (Flare)		Ø,mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52
	Gas (Flare)		Ø,mm	15.88	15.88	15.88	19.05	22.22	19.05	19.05
	Drain		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD25,ID 20)	VP25 (OD25,ID 20)
Weight	Net Weight		kg	62.0	62.0	62.0	89.0	89.0	82.5	82.5
	Shipping Weight		kg	70.0	70.0	70.0	99.0	99.0	92	92
Set Size	Net Dimensions(WxHxD)		mm	1,200 x 360 x 650	1,200 x 360 x 650	1,200 x 360 x 650	1240 x 470 x 1040	1240 x 470 x 1040	1350x 450x 910	1350x 450x 910
	Shipping Dimensions(Wx-HxD)		mm	1,447 x 425 x 769	1,447 x 425 x 769	1,447 x 425 x 769	1507 x 558 x 1155	1507 x 558 x 1155	1612 x 519 x 984	1612 x 519 x 98
Standard Accessories	Filter/Safety Grille		-	Long life filter	Long life filter	Long life filter	-	-	-	-
Optional Accessories	Duct Receiver Kits	Receiver		MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N	MRK-A10N
	Drain Pump		-/Model	Optional / MD-PM075SGU2D	Optional / MD-PM075SGU2D	Optional / MD-PM075SGU2D	MDP-N047SNC1D	MDP-N047SNC1D	MDP-G075SP	MDP-G075SP

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers


MWR-WE13N


AR-EH03E


MRK-A10N


MWR-SH00N

Drain Pump


MDP-M075SGU2D (11.2kW~14kW)
MDP-N047SNC1D (22.0 kW~28.0kW)

Ceiling

- 2Way installation
- Compact but powerful
- Stay-Clean Panel
- Sophisticated Control

Model				AM056FNCDEH/EU	AM071FNCDEH/EU
Power Source			Ø/V/Hz	1/220~240/50	1/220~240/50
Mode			-	HP	HP
Performance	Capacity	Cooling	kW	5.6	7.1
			Btu/h	19,100	24,200
		Heating	kW	6.3	8.0
			Btu/h	21,500	27,300
Power	Input		W	72	80
	Running Current		A	0.33	0.35
Sound	Sound Pressure(High/Low)		dB(A)±3	40/34	44/40
Fan	Type		-	Sirocco Fan	Sirocco Fan
Airflow Rate	H/M/L		CFM	494/458/423	635/582/529
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Piping Connections	Liquid (Flare)		Ø,mm	6.35	9.52
	Gas (Flare)		Ø,mm	12.7	15.88
	Drain (Quick Lock)		Ø,mm	ID 18 HOSE	ID 18 HOSE
Weight	Net Weight		kg	21.0	21.0
	Shipping Weight		kg	25.5	25.5
Set Size	Net Dimensions(WxHxD)		mm	1000 x 650 x 200	1000 x 650 x 200
	Shipping Dimensions(WxHxD)		mm	1080 x 730 x 300	1080 x 730 x 300
Standard Accessories	Filter/Safety Grille		-	Long life filter	Long life filter
Optional Accessories	Wireless Remote Controller		-	MR-EH00	MR-EH00

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers


MWR-WE13N


AR-EH03E


MWR-SH00N

EEV KIT


MEV-E32SA

Specification
Indoor Units

Premium Wall Mounted

- Clean-cut front panel
- Silver accent line
- Bottom opening front panel
- Improved Dust-Filtration

Type				WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
Model Code				AM022KNQDEH/TL	AM028KNQDEH/TL	AM036KNQDEH/TL	AM045KNQDEH/TL	AM056KNQDEH/TL	AM071KNQDEH/TL
Power Supply			Ø, V, Hz	1,220-240,50	1,220-240,50	1,2,220-240,50	1,220-240,50	1,2,220-240,50	1,220-240,50
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	Capacity (Nominal)	Cooling	kW	2.2	2.8	3.6	4.5	5.6	6.8
		Heating	kW	2.5	3.2	4	5	6.3	7
Power	Power Input(Nominal)	Cooling	W	32	38	42	47	48	51
		Heating		35	39	42	47	48	53
	Current Input(Nominal)	Cooling	A	0.2	0.22	0.23	0.27	0.27	0.28
		Heating		0.2	0.22	0.23	0.27	0.27	0.28
Fan	Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Quantity		ea	1	1	1	1	1	1
	Air Flow Rate	H/M/L (UL)	CFM	247/212/176	282/242/212	318/282/247	529/423/388	565/465/388	600/499/459
Fan motor	Type		-	SSR Feedback	SSR Feedback	SSR Feedback	SSR Feedback	SSR Feedback	SSR Feedback
	Output x n		-	19W x 1	19W x 1	19W x 1	28W x 1	28W x 1	28W x 1
Piping Connections	Liquid Pipe		Ø,mm	6.35	6.35	6.35	6.35	6.35	9.52
	Gas Pipe		Ø,mm	12.7	12.7	12.7	12.7	12.7	15.88
	Drain Pipe		Ø,mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High /Mid /Low	dB(A)	31/28/25	31/29/26	36/33/29	38/35/33	39/36/33	40/38/35
Dimensions	Net Weight		kg	8.5	9	9	12.5	12.5	12.5
	Shipping Weight		kg	10	10.5	10.5	14.5	14.5	14.5
	Net Dimensions (W×H×D)		mm	(820 x 285 x 227)	(820 x 285 x 227)	(820 x 285 x 227)	(1065 x 298 x 243)	(1065 x 298 x 243)	(1065 x 298 x 243)
	Shipping Dimensions (W×H×D)		mm	(880 x 363 x 280)	(880 x 363 x 280)	(880 x 280 x 363)	(1128 x 378 x 299)	(1128 x 378 x 299)	(1128 x 378 x 299)

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers

MWR-WE13N

Specification
Indoor Units

Hydro Unit (HE/HT)

- Integrated Solution
- Water Temperature Choice
- Easy and Simple Connection
- Integrated Control

Model Code		AM160FNBFEB/EU	AM160FNBDEH/EU	AM250FNBFEB/EU	AM320FNBDEH/EU	AM500FNBDEH/EU
Model Name	Indoor Unit	AM160FNBFEB/EU	AM160FNBDEH/EU	AM250FNBFEB/EU	AM320FNBDEH/EU	AM500FNBDEH/EU
Power Supply (Indoor Unit) [Φ, V, Hz]		1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Heating [kW]	16.0 kW	16.0 kW	25.0 kW	31.5 kW	50.4 kW
	Heating [Btu/h]	54,600 Btu/h	54,600 Btu/h	85,300 Btu/h	107,500 Btu/h	172,000 Btu/h
Power Input (Nominal)	Heating 2) [W]	3,100 W	10.00 W	5,000 W	10.00 W	10.00 W
Current Input (Nominal)	Heating 2)	14.3 A	0.05 A	23.1 A	0.05 A	0.05 A
Power	MCA [A]	24.15 A	2.2 A	32.15 A	2.2 A	2.2 A
	MFA [A]	30.19 A	2.75 A	40.19 A	2.75 A	2.75 A
Energy Efficiency	Energy Grade of Space Heater (55 ºC / 35 ºC)	A+ / A+	NA / A++	A+ / A+	NA / A+	NA / A+
	Energy Grade of Package of Space Heater	A+	A++	A+	A+	A+
Condenser	Type	PHE	PHE	PHE	PHE	PHE
	Pipe Size (Φ, inch)	PT1 (25A)"	PT1 (25A)"	PT1 (25A)"	PT1 (25A)"	PT1-1/4 (32A)"
	Water Flow Rate (LPM)	23 LPM	48 LPM	36 LPM	92 LPM	150 LPM
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm	9.52 mm	12.7 mm
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm	22.2 mm	28.58 mm
Field Wiring	Power Source Wire	4	2.5	4	2.5	2.5
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Sound	Sound Pressure	42 dBA	27 dBA	42 dBA	28 dBA	31 dBA
External Dimension (Indoor Unit)	Net Weight(kg)	104.00 kg	29.00 kg	104.00 kg	33.00 kg	40.00 kg
	Net Dimensions (WxHxD) (mm)	(518 x 1,210 x 330)	(518 x 627 x 330)	(518 x 1,210 x 330)	(518 x 627 x 330)	(518 x 627 x 330)
Operating Temp. Range	Heating (℃)	-20 ~ 24 ℃	-20 ~ 24 ℃	-20 ~ 24 ℃	-20 ~ 24 ℃	-20 ~ 24 ℃

Note: -

*Specifications may be subject to change without prior notice for product improvement.
*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.

Specification - Indoor Units

Floor standing

- Powerful and clean cooling
- 4Way auto swing
- Full touch panel control
- Auto shutter

Model				AM140JNPDKH/TK	AM280JNPDKH/TK
Power Supply			Ø, V, Hz	1,220-240,50	1,220-240,50
Mode			-	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	14.00	28.00
			Btu/h	47,800	95,500
		Heating	kW	16.00	31.50
			Btu/h	54,600	107,500
Power	Power Input (Nominal)	Cooling	W	190.00	955.00
		Heating		190.00	955.00
	Current Input (Nominal)	Cooling	A	0.90	4.73
		Heating		0.90	4.73
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
		Output x n	w	154 x1	700 x1
	Airflow Rate	H/M/L (UL)	CFM	1235/1076/970	2470/2117/1764
			l/s	583.33/508.33/458.33	1,166.67/1,000.00/833.33
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52
	Gas Pipe		Ø, mm	15.88	22.22
	Drain Pipe		Ø, mm	ID 18 HOSE	ID 18 HOSE
Field Wiring	Power Source Wire		mm²	2.5	2.5
	Transmission Cable		mm²	VCTF 0.75 ~ 1.5	VCTF 0.75 ~ 1.5
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound	Pressure	High / Mid / Low	dB(A)	54.0/-/47.0	58.0/-/54.0
Dimension	Net Weight		kg	48.00	115.00
	Shipping Weight		kg	55.00	130.00
	Net Dimensions (WxHxD)		mm	(610 x 1850 x 400)	(1100 x 1800 x 485)
	Shipping Dimensions (WxHxD)		mm	(705 x 1963 x 493)	(1177 x 1950 x 563)

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers

AR-EH03E

Specification - Indoor Units

ERV Plus

- Slim design
- Virus Doctor (Optional)
- Direct expansion (DX) Coil
- New diamond type element

Model				AM050FNKDEH/EU	AM100FNKDEH/EU
Power Supply			Ø, V, Hz	1,220-240,50	1,220-240,50
Mode			-	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	5.1	10.5
			Btu/h	12,300	24,200
		Heating	kW	6.5	13.2
			Btu/h	13,600	27,300
Power	Power Input (Nominal)	Cooling	W	220.00	510.00
		Heating		220.00	510.00
	Current Input (Nominal)	Cooling	A	1.70	3.70
		Heating		1.70	3.70
Fan	Motor	Type	-	Sirroco Fan / BLDC	Sirroco Fan / BLDC
		Output	w	60 x 2	70 x 2
	Airflow Rate	H/M/L (UL)	CFM	292/292/211	588/588/405
	External Pressure	Min/Std/Max	mmAq	8.70/10.20/16.32	7.60/9.20/15.30
			Pa	85.32/100.03/160.04	74.53/90.22/150.04
Piping Connections	Liquid Pipe		Ø, mm	6.35	6.35
	Gas Pipe		Ø, mm	12.70	12.70
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire		mm²	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm²	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound	Pressure	High / Mid /Low	dB(A)	36.0/32.0/28.0	36.0/34.0/31.0
	Power	Cooling		67.0	67.0
Dimension	Net Weight		kg	61.00	90.00
	Shipping Weight		kg	75.20	107.50
	Net Dimensions (WxHxD)		mm	(1553 x 270 x 1000)	(1763 x 340 x 1135)
	Shipping Dimensions (WxHxD)		mm	(1847 x 349 x 1300)	(2027 x 428 x 1424)

ERV

- Energy saving operation (Auto Mode)
- Flexible installation
- Silent operation
- Supply/Exhaust fan

Model Code		AN050JSKLKN/EU	AN100JSKLKN/EU
Attribute		Value	Value
Power Supply (Indoor Unit) [Φ, V, Hz]		1,220-240,50	1,220-240,50
Temperature Exchange Rate	Cooling	70.00%	70.00%
	Heating	74.00%	74.00%
Enthalpy Exchange Rate	Heating	50.00%	50.00%
	Cooling	70.00%	70.00%
Power Input (Nominal)		175.00W	450.00W
Current Input (Nominal)		1.10 A	2.90 A
Fan	Airflow Rate (High / Mid / Low) [CMH]	500 / 500 / 360 CMH	1000 / 1000 / 690 CMH
	External Static Pressure (Min / Std / Max) [Pa]	85 / 100 / 165 Pa	75 / 90 / 155 Pa
External Dimension (Indoor Unit)	Net Weight(kg)	42.50 kg	67.00 kg
	Net Dimensions (WxHxD) (mm)	(1012 x 270 x 1000)	(1220 x 340 x 1135)

Note: -

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 differences : 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) 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 differences : 0m
4) Sound pressure

Optional Accessories

Individual Controllers

MWR-VH12N

CAC Outdoor

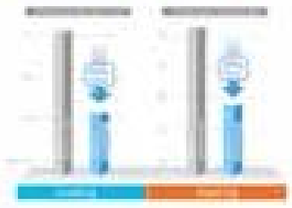
Energy Saving

CAC is a smart choice for saving both money and energy.
This economical outdoor unit employs advanced technologies to minimise waste and improve efficiency. By adopting the smart inverter technology, CAC not only offers silent operation, but also provides outstanding cooling and heating performance that is faster than conventional products.

Wide Temperature Performance

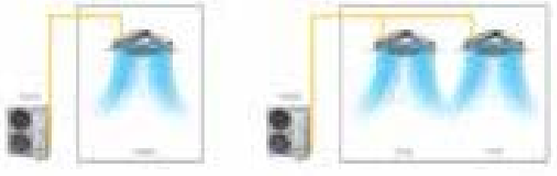
Comfortable Temperature

Fast Cooling and Heating



Smaller and Lighter

Simultaneous On/Off Function



CAC Indoor

360 Cassette

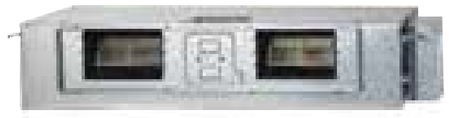
- Cold draft free
- Perfect even cooling
- Circular to perfectly fit in everywhere
- Faster cooling

Slim 1 Way Cassette

- Slim and compact design
- Enhance any décor with refined elegance and comfort
- Visually appealing panel

4 Way Cassette

- Individual blade control
- Optimal airflow for high ceilings
- Cleaner, healthier air with optional virus doctor



Duct Unit

- Strong and large coverage area
- Silent operation with static pressure control
- Built-in protections

Floor Standing

- Ideal for installation in halls and large rooms
- Ideal for perimeter refurbishments
- New communication protocol

CAC
Line-up & Features - Indoor Units

Cassette

Model			Inverter				On/Off
							
			360 Cassette	4way S	Silm 1way Cassette	Floor Standing	4way Cassette
Capacity (kW)/TR	3.6/1				•		
	5.5/1.5				•		
	7.1/2		•	•	•		•
	10.0/3		•	•			•
	14.0/4		•	•		•	•
Features		Powerful Airflow	•		•	•	•
		Ceiling Dust Prevention	•	•	•	•	•
		Fresh Air Intake	•	•	•		•
		High Lift-up Drain Pump	•	•	•		•
		Sub Duct		•			•

Duct

Model		Inverter		On/Off
				
		MSP	HSP	Big Duct
Capacity (kW)/TR	5.2/1.5	•		
	7.1/2	•		
	10.0/3	•		
	14.0/4	•		
	17.5/5		•	
	19/5.5			•
	30/8.5			•
	38/11			•
	60/17			•
Features		Easy Filter Cleaning	•	•	
		Light Weight	•	•	
		Smart Pressure Control	•	•	

Note: On/Off Indoor unit to be connected with On/Off Outdoor unit only, Cross connection is not possible.

Specification CAC Inverter

360 Cassette

- Perfect even cooling
- Cold draft free
- Bladeless discharge
- Stylish design

Type					360 CST	360 CST	360 CST
Model Name		Indoor Unit			AC071KN4DEH/TL	AC100KN4DEH/TL	AC140KN4DEH/TL
		Outdoor Unit			AC071KXADEH/TL	AC100KXADGH/TL	AC140KXADGH/TL
System	Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP
	Capacity	Cooling (Min / Std / Max)		kW	2.2/7.1/8.0	3.5/10.0/12.0	3.5/13.6/15.8
				Btu/h	7,500 / 24,200 / 27,300	11,900 / 34,100 / 40,900	11,900 / 46,400 / 53,900
		Heating (Min / Std / Max)		KW	1.9/8.0/9.0	3.5/11.2/15.5	3.5/16.0/18.0
				Btu/h	11,900 / 54,600 / 61,400	11,900 / 38,200 / 52,900	11,900 / 54,600 / 61,400
	Power	Power Input (Nominal)	Cooling (Min / Std / Max)	W	350/1,870/4,000	800/2,630/3,800	800/4,370/5,900
			Heating (Min / Std / Max)		350/2,050/4,000	700/2,760/4,500	700/4,650/7,900
		Current Input (Nominal)	Cooling (Min / Std / Max)	A	2.0/8.6/21.0	2.1/4.3/10.0	2.1/6.8/9.5
			Heating (Min / Std / Max)		2.0/9.7/21.0	1.9/4.4/12.0	1.9/7.2/12.0
		MCA		A	21.5	17.6	17.6
		MFA		A	25.0	17.6	17.6
	Piping Connections	Liquid Pipe		Φ, mm	6.35	9.52	9.52
		Gas Pipe		Φ, mm	15.88	15.88	15.88
		Installation Limitation	Max. Length (Outdoor to indoor)	m	50	75	75
			Max. Height (Between ID/OD)	m	30	30	30
	Field Wiring	Transmission Cable		mm2	VCTF0.75~1.5	VCTF0.75~1.5	VCTF0.75~1.5
	Refrigerant	Type		-	R-410A	R-410A	R-410A
Indoor Unit							
	Power Supply			Φ, V, Hz	1, 220-240,50	1, 220-240,50	1, 220-240,50
	Fan	Type		-	Turbo	Turbo	Turbo
		Number of Unit		EA	1	1	1
		Airflow Rate	High / Mid / Low	CFM	759/635/512	1058/847/706	1164/988/811
	Drain	Drain Pipe		Φ,mm	VP25(OD32/ID25)	VP25(OD32/ID25)	VP25(OD32/ID25)
	Sound	Sound Pressure	High / Mid / Low	dB(A)	34 / 31 / 28	43 / 37 / 32	44 / 40 / 36
	External Dimension	Net Weight		kg	24.0	26.0	26.0
		Shipping Weight		kg	28.5	30.5	30.5
		Net Dimensions (WxHxD)		mm	(947x365x947)	(947x365x947)	(947x365x947)
		Shipping Dimensions (WxHxD)		mm	(990x414x990)	(990x414x990)	(990x414x990)
	Panel Size	Panel model (Square)		-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
		Panel Net Weight		kg	3.6	3.6	3.6
		Shipping Weight		kg	6.0	6.0	6.0
		Net Dimensions (W×H×D)		mm	(1000x66x1000)	(1000x66x1000)	(1000x66x1000)
		Shipping Dimensions (W×H×D)		mm	(1093x85x1083)	(1093x85x1083)	(1093x85x1083)
	Additional Accessories	Drain pump	Drain pump	-	Built In	Built In	Built In
			Max. Lifting Height / Displacement	mm/liter/h	750/24	750/24	750/24
Outdoor Unit							
	Power Supply			Φ, V, Hz	1, 220-240,50	3, 380-415,50	3, 380-415,50
	Compressor	Type		-	Twin BLDC	Twin BLDC	Twin BLDC
	Sound	Sound Pressure	Cooling / Heating	dB(A)	49/51	50/52	52/54
	External Dimension	Net Weight		kg	50.5	90.0	91.0
		Shipping Weight		kg	55.0	99.0	100.0
		Net Dimensions (WxHxD)		mm	(880x798x310)	(940x1,210x330)	(940x1,210x330)
		Shipping Dimensions (WxHxD)		mm	(1,023x911x416)	(995x1,388x426)	(995x1,388x426)
	Operating Temp. Range	Cooling		℃	-15~52	-15~52	-15~52
		Heating		℃	-20~24	-20~24	-20~24

Panel Options


PC4NUNMAN


PC4NBNMAN


PC4NUDMAN


PC4NBDMAN

Individual Controllers


AR-KH00E


MWR-WE13N

Specification CAC Inverter

4Way Cassette S

- Virus Doctor (Optional)
- Surround flow
- Individual blade control
- Fan speed adjustment for high ceiling

Model Name	Indoor Unit			NS1404DXEA
	Outdoor Unit			RC140DHXGA
Mode			-	HEAT PUMP
Capacity	Cooling (Min. / Std. / Max.)		kW	3.5/14.0/15.5
			Btu/h	11,900/47,800/52,900
	Heating (Min. / Std. / Max.)		kW	3.5/16.0/18.0
			Btu/h	11,900/54,600/61,400
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	kW	0.80/4.36/5.40
		Heating (Min. / Std. / Max.)		0.70/4.43/6.16
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	2.10/7.50/12.00
		Heating (Min. / Std. / Max.)		2.10/7.40/16.10
	MCA		A	13.00 (MCA)
	MFA		A	15.00
Energy Efficiency	EER (Nominal Cooling)		-	3.21
	COP (Nominal Heating)		-	3.61
Piping Connections	Liquid Pipe		Φ, mm	9.52
	Gas Pipe		Φ, mm	15.88
	Installation Limitation	Max. Length (Outdoor to indoor)	m	75
		Max. Height (Between ID/OD)	m	30
Field Wiring	Power Source Wire		Φ, mm	1.5 ~ 2.5
	Transmission Cable		Φ, mm	0.75 ~ 1.25
Refrigerant	Type		-	R410A
INDOOR UNIT				
Power Supply			Φ, V, Hz	1,220-240,50
Fan	Type		-	Turbo Fan
	Number of Unit		EA	1.00
	Airflow Rate	High / Mid / Low	CFM	1130/988/776
Drain	Drain Pipe		Φ,mm	VP25 (OD 32,ID 25)
Sound	Sound Pressure	High / Mid / Low	dB(A)	45.00/41.5/38.0
External Dimension	Net Weight		kg	20.0
	Shipping Weight		kg	25.0
	Net Dimensions (WxHxD)		mm	(840 x 288 x 840)
	Shipping Dimensions (WxHxD)		mm	(898 x 357 x 898)
Panel Size	Panel model		-	PC4NUSKE
	Panel Net Weight		kg	5.9
	Shipping Weight		kg	8.4
	Net Dimensions (W×H×D)		mm	(950 x 45 x 950)
	Shipping Dimensions (W×H×D)		mm	(1005 x 100 x 1005)
OUTDOOR UNIT				
Power Supply			Φ, V, Hz	3,380-415,50
Compressor	Type		-	Twin BLDC Rotary
Fan	Airflow Rate	Cooling	CFM	3194
Sound	Sound Pressure	Cooling / Heating	dB(A)	52.0 / 54.0
External Dimension	Net Weight		kg	91.00
	Shipping Weight		kg	101.00
	Net Dimensions (WxHxD)		mm	(940 x 1210 x 330)
	Shipping Dimensions (WxHxD)		mm	(995 x 1388 x 426)
Operating Temp. Range	Cooling		℃	-15~50
	Heating		℃	-20~24

Note: -

Product Specifications 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, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 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 level was acquired in an anechoic room. Thus, actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers

MWR-SH00N

AR-EH03E

Panel options

PC4NUSKA

PC4NUSKE

Specification CAC Inverter

1Way Cassette

- Slim and compact design
- Quiet operation
- No overflowing drain water
- New communication protocol

						1Way Cassette	1Way Cassette	1Way Cassette
Model Name	Indoor Unit					AC036JB1DEC/TL	AC052JB1DEC/TL	AC071JB1DEC/TL
	Outdoor Unit					AC036JCADEC/TL	AC052JCADEC/TL	AC071JCADEC/TL
System	Mode				-	Cooling Only	Cooling Only	Cooling Only
	Capacity	Cooling(Min/Std/Max)			kW	1.50 / 3.60 / 4.50	2.00 / 5.20 / 5.70	2.20 / 7.10 / 7.60
					Btu/h	5,100 / 12,300 / 15,400	6,800 / 17,700 / 19,400	7,500 / 24,200 / 25,900
	Power	Power Input (Nominal)	Cooling(Min/Std/Max)		kW	0.50 / 1.20 / 1.55	0.54/ / 1.73 / 1.80	0.72 / 2.73 / 3.10
		Current Input (Nominal)	Cooling(Min/Std/Max)		A	2.80 / 5.50 / 7.40	3.00 / 7.80 / 9.00	4.00 / 11.50 / 15.00
		MCA			A	14.00(MCA)	14.00(MCA)	21.00(MCA)
		MFA			A	16.30	16.30	25.00
	Energy Efficiency	EER (Nominal Cooling)			-	3.00	3.01	2.60
	Piping Connections	Liquid Pipe			Ø, mm	6.35	6.35	6.35
		Gas Pipe			Ø, mm	12.70	12.70	15.88
		Installation Limitation		Max. Length	m	30 (35)	30 (35)	30 (35)
				Max. Height	m	15 (15)	15 (15)	15 (15)
	Field Wiring	Power Sourcer wire			Ø, mm	1.50 ~ 2.50	1.50 ~ 2.50	2.50 ~ 4.00
		Transmission Cable			Ø, mm	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
	Refrigerant	Type			-	R410A	R410A	R410A
Indoor Unit								
	Power Supply				Ø, V, Hz	1,220-240,50	1,220-240,50	1,220-240,50
	Fan	Type			-	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Motor		Output	W	47 × 1	62 × 1	62 × 1
		Airflow Rate		High/Mid/Low	CFM	318/282/261	543/494/441	579/512/441
	Drain	Drain Pipe			Ø, mm	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)
	Sound	Pressure		High/Mid/Low	dB(A)	35.0 / 32.0 / 29.0	39.0 / 36.0 / 33.0	41.0 / 37.0 / 33.0
	External Dimension	Net Weight			kg	9.50	13.40	13.40
		Shipping Weight			kg	12.20	17.00	17.00
		Net Dimensions (W×H×D)			mm	970 × 135 × 410	1,200 × 138 × 450	1,200 × 138 × 450
		Shipping Dimensions (W×H×D)			mm	1,173 × 231 × 487	1,435 × 224 × 525	1,435 × 224 × 525
	Panel Size	Panel model			-	PC1NUSMAN	PC1BWSEAN	PC1BWSEAN
		Panel Net Weight			kg	3.00	4.50	4.50
		Shipping Weight			kg	5.00	7.80	7.80
		Net Dimensions (W×H×D)			mm	(1,180 × 25 × 460)	(1,410 × 23 × 500)	(1,410 × 23 × 500)
		Shipping Dimensions (W×H×D)			mm	(1,259 × 144 × 539)	(1,483 × 144 × 573)	(1,483 × 144 × 573)
Outdoor Unit								
	Power Supply				Ø, V, Hz	1,220-240,50	1,220-240,50	1,220-240,50
	Compressor	Type			-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Fan	Airflow Rate		Cooling	CFM	1120	1323	1517
	Sound	Pressure		Cooling	dB(A)	49.0	50.0	50.0
	External Dimension	Net Weight			kg	34.00	34.00	46.10
		Shipping Weight			kg	36.70	36.70	49.70
		Net Dimensions (W×H×D)			mm	(790 x 548 x 285)	(790 x 548 x 285)	(880 x 638 x 310)
		Shipping Dimensions (W×H×D)			mm	(938 x 640 x 375)	(938 x 640 x 375)	(1,034 x 725 x 406)
	Operating Temp.Range	Cooling			℃	-5 ~ 50	-5 ~ 50	-5 ~ 50

Note: -

Specifications may be subject to change without prior notice for product improvement.
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 : 5m, Level differences : 0m
2) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers

MWR-SH00N

AR-EH03E

Specification CAC Inverter

Floor Standing

- Ideal for installation in halls and large rooms
- Ideal for perimeter refurbishments
- New communication protocol

Model Code		AC048KNPDEC/TL
Features	Type	PAC
Model Name	Indoor Unit	AC048KNPDEC/TL
	Outdoor Unit	AC048KXADGC/TL
System	Mode	Cooling Only
Capacityt	Cooling [kW]	3.6 / 14.0 / 16.7 kW
	Cooling [Btu/h]	- Btu/h
Power Input (Nominal)	Cooling	0.82 / 5.04 / 5.60 kW
Current Input (Nominal)	Cooling	1.6 / 7.8 / 9.0 A
Power	MCA [A]	16.1 A
	MFA [A]	16.1 A
Energy Efficiency	EER (Nominal Cooling)	2.78
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"
	Gas Pipe (Φ, mm)	15.88 mm
	Gas Pipe (Φ, inch)	5/8"
	Installation Max. Length [m]	75 m
	Installation Max. Height [m]	30 m
Field Wiring	Power Source Wire	-
	Transmission Cable	0.75
Refrigerant	Type	R410A
	Control Method	EEV
Indoor Unit		
Power Supply [Φ, V, Hz]		1,220-240,50
Fan	Type	Sirocco Fan
	Motor (Output) [W]	154 W
	Number of Unit (EA)	1 EA
	Air Flow Rate (High / Mid / Low) [CMM]	35.5 CMM
	Air Flow Rate(High/Mid/Low)[L/S]	-
Drain	Drain Pipe (Φ,mm)	VP18 mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	51/48/45
External Dimension (Indoor Unit)	Net Weight(kg)	46 kg
	Shipping Weight (kg)	52 kg
	Net Dimensions (WxHxD) (mm)	(610 x 1850 x 400)
	Shipping Dimensions (WxHxD) (mm)	(705 x 1963 x 493)
Outdoor Unit		
Power Supply [Φ, V, Hz]		3,380-415,50
Compressor	Type	Twin BLDC Rotary
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CFM]	3882
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	53
External Dimension (Outdoor Unit)	Net Weight(kg)	84.5 kg
	Shipping Weight (kg)	93.5 kg
	Net Dimensions (WxHxD) (mm)	(940 x 1210 x 330)
	Shipping Dimensions (WxHxD) (mm)	(995 x 1388 x 426)
Operating Temp. Range	Cooling (℃)	-15~52 ℃

Note: -

Specifications may be subject to change without prior notice for product improvement.
1) Mode:HP , Heat Pump
2) 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 differences : 0m
3) 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
4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers


MWR-WE13N


AR-EH03E


MRK-A10N


MWR-SH00N

Specification CAC Inverter

MSP Duct/HSP Duct

- Narrow width
- Strong and large coverage area
- Silent operation with the static pressure control
- Easy to maintain
- Fan speed adjustment for high ceiling

Model Name	Indoor Unit			NS052SDXEA	NS071SDXEA	NS100SDXEA	NS140SDXEA	NS180HHXEG/XSA
	Outdoor Unit			RC052DHXEA	RC071DHXEA	RC100DHXEA	RC140DHXGA	RC180DHXEG/XSA
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min./Std./Max.)		kW	1.0/5.0/6.0	2.2/7.1/8.0	3.2/10.0/12.0	3.45/14.00/15.40	3.81/17.50/20.00
			Btu/h	3,420/17,100/20,520	7,500/24,200/27,300	10,900/34,100/40,900	11,800/47,800/52,500	13,000/59,700/68,200
	Heating (Min./Std./Max.)		kW	0.75/6.00/7.20	1.9/8.0/9.0	3.0/11.2/15.5	3.75/16.00/18.50	4.4/21.0/24.0
			Btu/h	2,565/20,520/24,620	6,500/27,300/30,700	10,200/38,200/52,900	12,800/54,600/63,100	15,000/71,700/81,900
Power	Power Input (Nominal)	Cooling (Min./Std./Max.)	kW	0.43/1.56/2.20	0.35/2.21/4.00	0.83/3.12/5.00	1.25/4.65/5.70	1.20/5.47/7.20
		Heating (Min./Std./Max.)		0.33/1.76/2.30	0.35/2.22/4.00	0.71/3.10/5.50	1.00/4.43/5.80	1.20/6.00/8.00
	Current Input (Nominal)	Cooling (Min./Std./Max.)	A	2.20/7.50/10.00	2.00/10.50/21.00	4.00/13.80/21.00	2.00/7.20/8.80	2.60/9.10/11.30
		Heating (Min./Std./Max.)		1.90/8.40/10.00	2.00/10.50/21.00	3.30/13.50/24.00	1.60/6.90/9.00	2.60/9.90/12.00
	MCA		A	-	20.30 (MCA)	-	14.00 (MCA)	-
	MFA		A	20.00	25.00	30.00	15.40	20.00
Energy Efficiency	EER (Nominal Cooling)		-	3.21	3.21	3.21	3.01	3.20
	COP (Nominal Heating)		-	3.59	3.61	3.61	3.61	3.50
Piping Connections	Liquid Pipe		Φ, mm	6.35	6.35	9.52	9.52	9.52
	Gas Pipe		Φ, mm	12.70	15.88	15.88	15.88	19.05
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30	50	50	75	75(75)
		Max. Height (Between ID/OD)	m	20	30	30	30	30(30)
Field Wiring	Power Source Wire		-	2.5 ~ 4.0	2.5 ~ 4.0	2.5 ~ 4.0	1.5 ~ 2.5	2.5 ~ 4
	Transmission Cable		-	0.75 ~ 1.25	0.75 ~ 1.0	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
	Type		-	R410A	R410A	R410A	R410A	R410A
INDOOR UNIT								
Power Supply			Φ, V, Hz	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50
Fan	Type		-	Sirocco Fan	Turbo Fan/BLDC	Turbo Fan/BLDC	Turbo Fan/BLDC	Sirocco Fan
	Number of Unit		EA	1.00	1.00	1.00	1.00	1.00
	Airflow Rate	High / Mid / Low	CFM	582/529/476	670/600/529	376/1270/1164	1517/1376/1235	2258/1976/1764
	External Static Pressure	Min / Std / Max	mmAq	0.00/4.00/8.00	0.00/4.00/10.00	0.00/4.00/14.00	0.00/6.00/14.00	5.00/6.10/25.00
			Pa	0.00/39.23/78.45	0.00/39.23/98.07	0.00/39.23/137.29	0.00/58.84/137.29	49.03/59.82/245.17
Drain	Drain Pipe		Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure	High / Mid / Low	dB(A)	37.00/35.0/33.0	39.00/37.0/35.0	39.00/37.0/35.0	43.0 / 40.5 / 38.0	52.00/-/44.0
External Dimension	Net Weight		kg	29.5	33.0	55.0	55.0	89.0
	Shipping Weight		kg	35.0	40.0	60.0	60.0	109.0
	Net Dimensions (WxHxD)		mm	(900 x 260 x 480)	(1150 x 260 x 480)	(1200 x 360 x 650)	(1200 x 360 x 650)	(1240 x 470 x 1040)
	Shipping Dimensions (WxHxD)		mm	(1170 x 340 x 595)	(1420 x 340 x 595)	(1447 x 425 x 769)	(1447 x 425 x 769)	(1507 x 558 x 1155)
Additional Accessories	Drain pump	Drain pump	-	MDP-M075SGU3	MDP-M075SGU1	MDP-M075SGU2	MDP-M075SGU2	MDP-M075SGU2
OUTDOOR UNIT								
Power Supply			Φ, V, Hz	1,220-240,50	1,220-240,50	1,220-240,50	3,380-415,50	3,380-415,50
Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Fan	Airflow Rate	Cooling	CFM	-	1764	2400	3193	4553
Sound	Sound Pressure	Cooling / Heating	dB(A)	48.0 / 49.0	50.0 / 51.0	52.0 / 53.0	51.0 / 54.0	55.0
External Dimension	Net Weight		kg	38.50	55.00	72.00	91.00	102
	Shipping Weight		kg	42.50	59.00	77.00	101.00	111
	Net Dimensions (WxHxD)		mm	(790 x 548 x 285)	(880 x 798 x 310)	(940 x 998 x 330)	(940 x 1210 x 330)	(940 x 1420 x 330)
	Shipping Dimensions (WxHxD)		mm	(926 x 655 x 382)	(1023 x 891 x 413)	(995 x 1096 x 426)	(995 x 1388 x 426)	(995 x 1548 x 426)
Operating Temp. Range	Cooling		℃	-15~46	-15~50	-15~50	-15~50	-15~50
	Heating		℃	-15~24	-20~24	-20~24	-20~24	-20~24

Note: -

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1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.
2) 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 level was acquired in an anechoic room. Thus, actual noise level may be different depending on the installation conditions.

Optional Accessories

Individual Controllers


MWR-SH00


AR-EH03E

MRK-A00


MRW-10A

Drain Pump


MDP-M075SGU1~GU3

Specification CAC On/Off

4Way Cassette

- Virus Doctor (Optional)
- Surround flow
- Individual blade control
- Fan speed adjustment for high ceiling

Model Name					AC071NN4SEC/TL	AC100NN4SEC/TL	AC140NN4SEC/TL
		Indoor Unit			AC071NX4SEC/TL	AC100NX4SEC/TL	AC140NX4SGC/TL
		Outdoor Unit					
System	Mode			-	Cooling Only	Cooling Only	Cooling Only
	Capacity	Cooling (Min / Std / Max)		kW	6.5	11.1	14.0
				Btu/h	22 180	36 000	47 800
		Heating (Min / Std / Max)		kW	N/A	N/A	N/A
				Btu/h	N/A	N/A	N/A
	Power	Power Input (Nominal)	Cooling (Min / Std / Max)	KW	2.03	3.68	5
			Heating (Min / Std / Max)		N/A	N/A	N/A
		Current Input (Nominal)	Cooling (Min / Std / Max)	A	8.9	6.6	8.9
			Heating (Min / Std / Max)		N/A	N/A	N/A
		MCA		A	18.3	10.8	14.6
		MFA		A	21.6	12.3	17.0
	Energy Efficiency	EER (Nominal Cooling)		-	3.2	3.02	2.8
		COP (Nominal Heating)		-	N/A	N/A	N/A
	Piping Connections	Liquid Pipe		Φ, mm	6.35	9.52	9.52
		Gas Pipe		Φ, mm	15.88	15.88	15.88
		Installation Limitation	Max. Length (Outdoor to indoor)	m	30	50	50
			Max. Height (Between ID/OD)	m	15	30	30
	Field Wiring	Power Source Wire		Φ, mm	2.5	2.5	2.5
		Transmission Cable		Φ, mm	0.75	0.75	0.75
	Refrigerant	Type		-	R410A	R410A	R410A
Indoor Unit							
	Power Supply			Φ, V, Hz	1,220-240,50	1,2,220-240,50	1,220-240,50
	Fan	Type		-	Turbo	Turbo	Turbo
		Number of Unit		EA	1	1	1
		Air Flow Rate	High / Mid / Low	CFM	812/741/670	1111/1023/935	1182/1058/935
	Drain	Drain Pipe		Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25)
	Sound	Sound Pressure	High / Mid / Low	dB(A)	46/44/42	44/42/40	46/44/42
	External Dimension	Net Weight		kg	15.0	18.0	18.0
		Shipping Weight		kg	18	22.0	22.0
		Net Dimensions (WxHxD)		mm	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840
		Shipping Dimensions (WxHxD)		mm	898 x 275 x 898	898 x 357 x 898	898 x 357 x 898
	Panel Size (Cassette Type)	Panel model		-	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
		Panel Net Weight		kg	5.8	5.8	5.8
		Shipping Weight		kg	8.4	8.4	8.4
		Net Dimensions (W×H×D)		mm	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
		Shipping Dimensions (W×H×D)		mm	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005
Outdoor Unit							
	Power Supply			Φ, V, Hz	1,220-240,50	3,4,380-415,50	3,380-415,50
	Compressor	Type		-	Rotary	Rotary	Rotary
	Sound	Sound Pressure	Cooling / Heating Std High	dB(A)	52	54	54
	External Dimension	Net Weight		kg	58.5	93	97
		Shipping Weight		kg	62.5	103	107
		Net Dimensions (WxHxD)		mm	880*793*310	932*1162*375	932*1162*375
		Shipping Dimensions (WxHxD)		mm	1023*911*413	1095*1286*476	1095*1286*476
	Operating Temp. Range	Cooling		℃	21 ~ 54℃	21 ~ 54℃	21 ~ 54℃
		Heating		℃	N/A	NA	N/A

Note: -

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1) Nominal cooling capacities are based on: Indoor temperature: 27^{0}C DB, 19^{0}C WB / Outdoor temperature : 35^{0}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.

Optional Accessories

Individual Controllers


MWR-SH00N


AR-EH03M


MWR-WE13N

Panel Options


PC4NUSKAN


PC4NBSKAN


PC4NUSKEN

Specification CAC On/Off

Ductable

- Powerful performance even at high ambient temperature
- World-class energy efficiency
- Silent operation
- Compactness design
- Triple protect

Model Name		Indoor Unit			AC055JBMSED/TL	AC085JBMSED/TL	AC110JBMSED/TL	AC170JBMSED/TL
		Outdoor Unit			AC055JCBSGD/TL	AC085JCBSGD/TL	AC055JCBSGD/TLx2	AC085JCBSGD/TLx2
System	Mode			-	Cooling Only	Cooling Only	Cooling Only	Cooling Only
	Capacity	Cooling (Min/Std/Max)		Tr	5.5	8.5	11	17
				Btu/h	66,000	102,000	132,000	204,000
	Power	Power Input (Nominal)	Cooling (Min / Std / Max)	W	6,465	9,230	12,500	18,000
	Energy Efficiency	EER (Nominal Cooling)		Btu/Wh	10.2	11.05	10.56	11.33
	Piping	Liquid Pipe		Φ, mm	12.70	15.88	12.70	15.88
	Connections	Gas Pipe		Φ, mm	22.23	28.58	22.23	28.58
		Installation	Max. Length (Outdoor to indoor)	m	20	20	20	20
		Limitation	Max. Height (Between ID/OD)	m	10	10	10	10
	Field Wiring	Power Source Wire		Φ, mm	2.5	2.5	2.5	2.5
		Transmission Cable (Signal Wiring)		Φ, mm	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
	Refrigerant	Type		-	R22	R22	R22	R22
		Control Method		-	Piston Orifice	TXV	TXV	TXV
		Factory Charging		kg	4	5.5	4x2	5.5x2
Indoor Unit								
	Power Supply			Φ, V, Hz	1, 230, 50	1, 230, 50	1, 230, 50	1, 230, 50
	Fan	Type		-	SIRCCO FAN	SIRCCO FAN	SIRCCO FAN	SIRCCO FAN
		Number of Unit		EA	1	2	2	3
		Airflow Rate (@ 0 mmAq)	High / Mid / Low	CFM	2200, 2045, 1900	3400, 3250, 3100	4400, 4040, 3850	6800, 6200, 6000
		External Static Pressure	Min / Std / Max	Pa	0/0/100	0/0/100	0/0/100	0/0/100
	Sound	Sound Pressure	High / Mid / Low	dB(A)	45/43/41	51/49/47	54/52/50	56/54/52
	External Dimension	Net Weight		kg	66	91	115	172
		Shipping Weight		kg	94	125	160	233
		Net Dimensions (WxHxD)		mm	(1,199 x 373 x 764)	(1,560 x 462 x 650)	(1,783 x 484 x 585)	(2,137 x 541 x 1,046)
		Shipping Dimensions (WxHxD)		mm	(1,440 x 540 x 960)	(1,950 x 885 x 815)	(2,070 x 885 x 780)	(2,722 x 760 x 1,110)
		Air Filter		-	Washable	Washable	Washable	Washable
Outdoor Unit								
	Power Supply			Φ, V, Hz	3,400~,50	3,400~,50	3,400~,50	3,400~,50
	Compressor	Type		-	Scroll x 1	Scroll x 1	Scroll x 2	Scroll x 2
	Sound	Sound Pressure	Cooling / Heating Std High	dB(A)	62	67	68	70
	External Dimension	Net Weight		kg	97	155	97x2	155x2
		Shipping Weight		kg	120	190	120x2	190x2
		Net Dimensions (WxHxD)		mm	(950 x 340 x 1,245)	(986 x 679 x 1,081)	(950 x 340 x 1,245)x2	(986 x 679 x 1,081)x2
		Shipping Dimensions (WxHxD)		mm	(1,100 x 470 x 1,360)	(1,190 x 800 x 1,250)	(1,100 x 470 x 1,360)x2	(1,190 x 800 x 1,250)x2
	Operating Temp. Range	Cooling		^{0}C	20 ~ 52^{0}C	20 ~ 52^{0}C	20 ~ 52^{0}C	20 ~ 52^{0}C

Note: -

Product Specifications in the Product can be changed without a prior notice because there is always an ongoing improvement on our product.
Sound level was acquired in an anechoic room. Thus, actual noise level may be different depending on the installation conditions.
Controller in the indoor unit box only.

Control System Structure

Overview

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

Integrated management

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

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

Building management

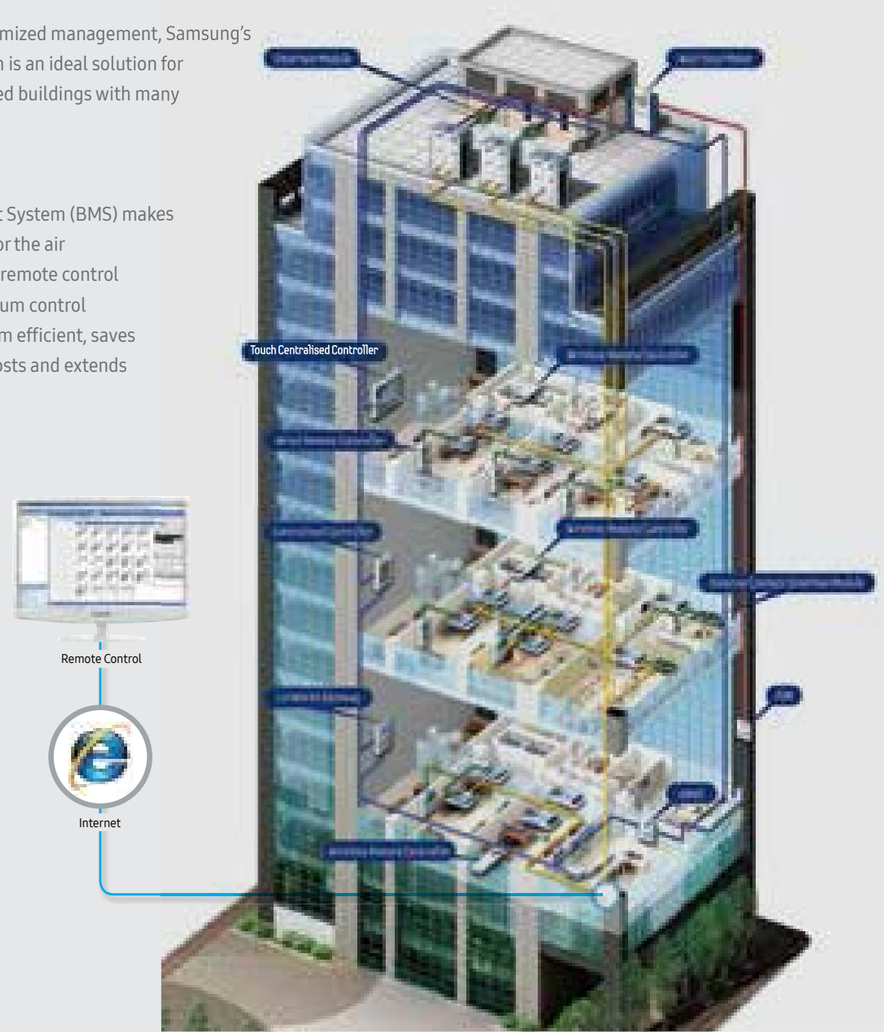
Samsung Building Management System (BMS) makes it possible to control and monitor the air conditioning network using the remote control and monitoring function. Optimum control keeps the air conditioning system efficient, saves energy, reduces maintenance costs and extends the lifespan of the units.

Applications tailored to your needs

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

System controller

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



Control System
Products Designed For Easy, Holistic Control

Manage system air conditioners seamlessly with devices designed for convenience

The comprehensive suite of Samsung Control Systems includes the following software, devices, controllers and modules.

S-NET 3

This integrated software connects to the Ethernet to control the system air conditioners through data management servers (DMS) from a single computer.

DMS 2.5

DMS 2.5 is an explorer-based management device that stores and manages all the data relevant to the system air conditioner.

On/Off controller

The On/Off controller controls the system air conditioners individually or in groups.

Touch centralized controller

The touch centralized controller is the optimized management solution for the mid-sized site.

Wired R/C and wireless R/C

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

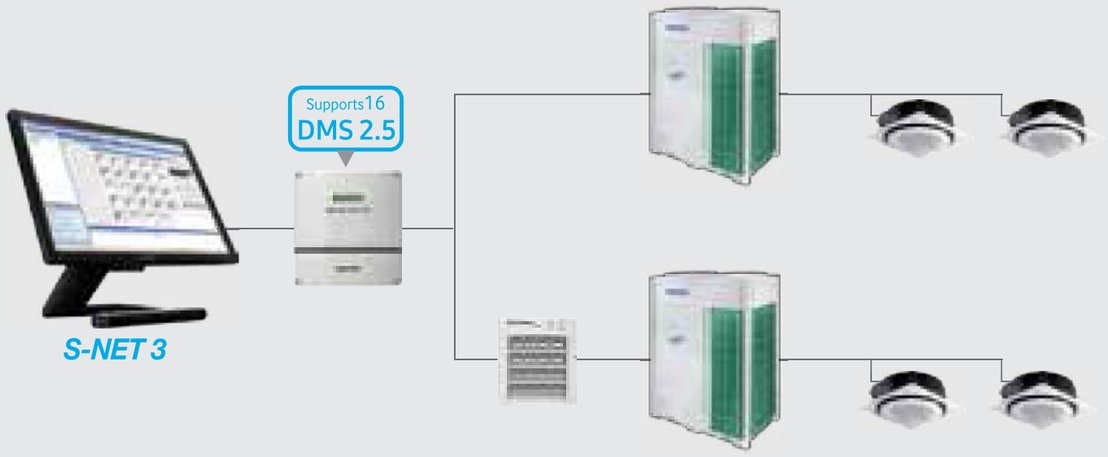
S-NET 3
Integrated, Complete Control

Control multiple buildings with ease through centralized data management

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

- Fully integrated PC management software
- Up to 16 DMS 2.5 connections through the Ethernet
- Centralized management of up to 4,096 indoor units
- Schedule and zone control
- Error and operation history management
- Power distribution management and analysis

S-NET 3 system configuration



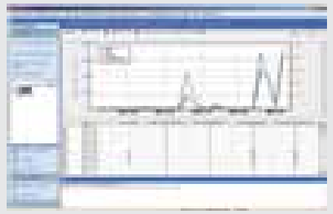
S-NET 3
Integrated, Complete Control

Control and monitoring

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

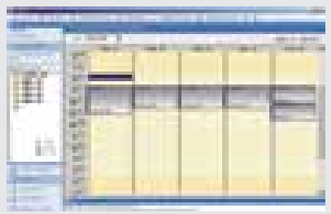
Power distribution management

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



Schedule control

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



History management

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

Zone management

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

Cycle monitoring

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

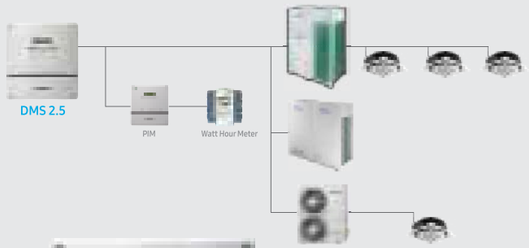
DMS 2.5
Smarter Functionality for Maximum Control

Streamline management with smart, automated control

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

- Built-in web server for PC-independent management and remote access control
- Multiple upper-level control access (S-NET 3, Web-client)
- Central management of up to 256 indoor units including ERV, ERV PLUS, AHU, DVM CHILLER and FCU Kit
- User editable control logic
- Accessible level management
- Dynamic security management
- Operation and error history management
- Weekly / daily schedule control

DMS configuration



- Power distribution function
- Current time management even during power failure (for 24 hours)
- Data storage in non-volatile memory and SD memory
- Emergency stop function with simple contract interface

Monitoring of air conditioner operation

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

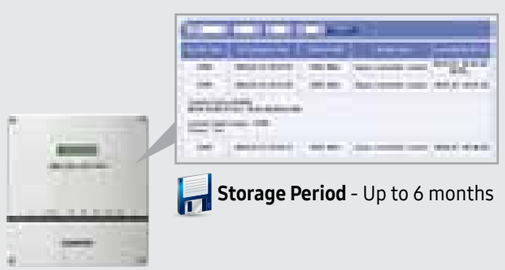
Easy control and monitoring

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

Operation history management

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

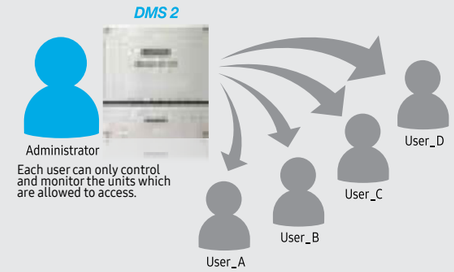
- Indoor unit address and name
- On/Off time (year, month, day, hour, minute)
- Operation mode (cool, heat, auto, fan dry, stop)
- Set/Room temperature



DMS 2.5
Smarter Functionality for Maximum Control

Accessible level management

DMS 2.5 enables administrators to specify the scope of unit control and monitoring by each user.



Control for unoccupied room

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

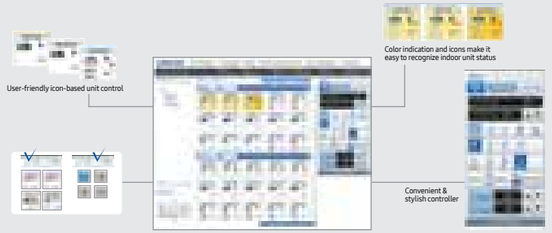
Dynamic security management

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

Enhanced graphical display

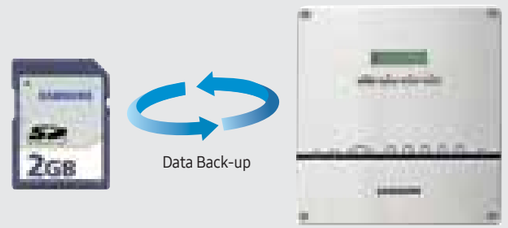
DMS 2.5 simplifies the task of monitoring system operations with its vibrant, intuitive graphical display. Icon-based, color-coded unit control makes it easy to recognize indoor unit status, while a handy, stylish controller makes management even more convenient.



Powerful data backup

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

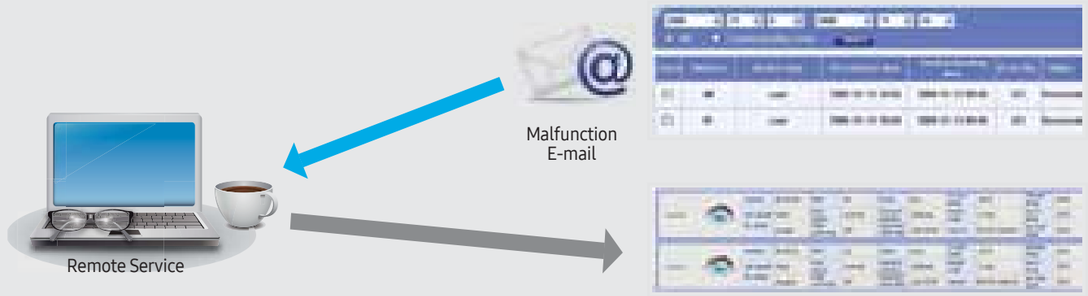
- Indoor/outdoor unit name
- Power distribution data
- Operation history
- DMS power on/off history
- System configuration



DMS 2.5
Responsive, Efficient Service

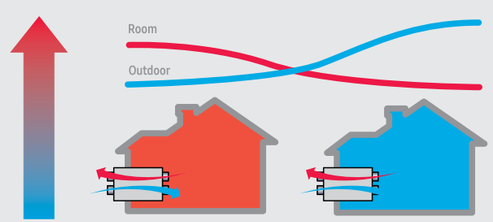
Rapid, easy service response

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



User editable control logic

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



Logic	Outdoor temp < Room temp	Room temp < Outdoor temp
Control	Turn ON ERV (Cool air Intake UP)	Turn ON Air Conditioner

Outdoor temp < 10	Outdoor temp > 25
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.

DMS 2.5
Extended, Zone Management

Useful history management

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

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

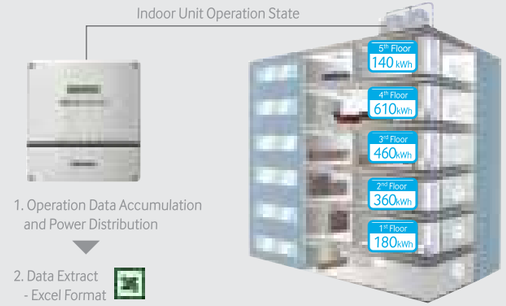
Error History
1. Error occurred unit name
2. Error details
3. Error occurrence/clear time
4. Error state (solved / unsolved)

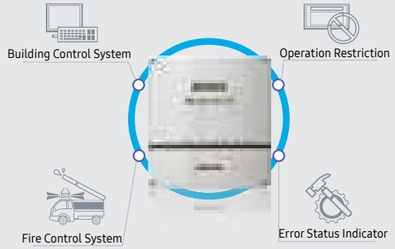
Extended contact interface

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

Power distribution system

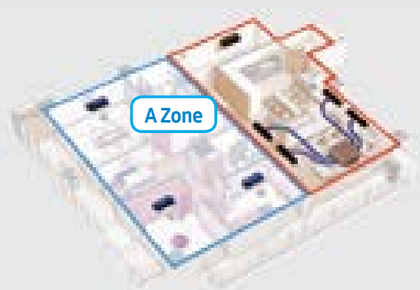
DMS 2.5 enables power distribution to a maximum of 256 indoor units, and provides a data query for watt-hour, usage time and usage ratio. One year of power distribution data is saved in storage; these files are saved in Microsoft® Excel format. DMS 2.5 also provides current actual power consumption monitoring.





Smart central management

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



Watt-hour meter interface module

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

Centralized Control
Compatibility Interface Modules

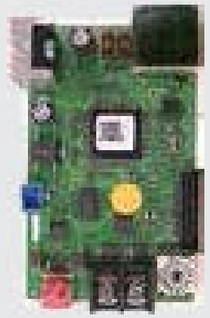
Optimize communications with interface modules

MIM-N01

MIM-N01 is the communication interface module between the outdoor units and the upper level controller, which has a different communication type. Users connect one interface module to one outdoor unit. For individual control, MIM-N01 supports a maximum of 48 indoor units; for group control, it supports a maximum of 16 groups.

MIM-N10

MIM-N10 is the communication interface module between ERV and controller. For individual control, MIM-N10 supports maximum 16ERVs, for group control, it supports a maximum of 16 groups.



Operation Mode Selection Switch

MCM-C200

- Operation mode selection (Cooling, Heating or Auto)
- Mixed operation mode protection

Touch Controller

MCM-A300N

- Centralized control + function + schedule
- 7 inch wide display
- Screen touch control
- Easy zone setting and control
- Multi language

Centralized Controller

MCM-A202DN

- Maximum of 16 group controls (Maximum of 128 Indoor units)
- Unified/Individual indoor unit control (On/Off)
- Wireless/Wired remote control restriction
- Cooling/Heating mode control
- Indoor unit error display
- MCM-A202D is compatible with MCM-A202A and MCM-A202B

New Touch Controller
Comprehensive and Solid

This touch screen controller can be directly connected to the system air conditioner through the centralized controller or interface modules, allowing for the control of up to 128 indoor units.

MCM-A300N

- Flexible compatibility options (DMS 2.5, centralized controller, interface module)
- Central management of up to 128 indoor units including ERV, ERV PLUS and AHU
- Detailed cycling information monitoring
- Schedule function (Weekly, Daily)
- USB keyboard support
- Error display
- 17.78cm (7") wide LCD display
- Temperature limit setting
- Touch screen
- Zone control
- Child-lock setting
- Operation mode lock
- External contact control

Control & monitoring

- Easy to check each device status using colour and icon
- Turning over pages with flicking or simple touch (No scroll bar)
- Big sized indication for using easily

Smart central management

- Temperature setting limitation

Zone management for multiple units

- Max.12 zone management
- Simply controls zone with one button
- Unique zone description icon makes it easy to recognise each zone

Schedule control

- Max. 10 operation schedule settings
- Possible to make various operation schedules
- Weekly, daily, exception day setting
- Simple schedule setting User Interface
- Easy to execute and stop the schedule

External devices interlock

- Simple operation control interlocking with external contact (2 Digital input)
- Provides 3 types of operation pattern
- Indoor unit operation on/off status output (1 Digital output)

Individual Control

Simple & Convenient Individual Control

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

Individual Control
Simple, Convenient Operation

Wireless Remote Controller MR-EH00/AR-EH03E

This wireless remote controller provides several control functions, such as on/off, operation mode, fan speed, airflow and temperature setting. With a wide display and soft touch buttons, users can easily and comfortably manage system air conditioners with additional control capabilities such as:

- Wind-Free™ mode using AR-EH03E
- Filter replacement alarm reset
- Simple schedule control
- Individual blade control (supports specific indoor unit models)
- Multi-channel wireless remote control (maximum of four channels)

AR-KH00E

The wireless remote controller's jog shuttle and button offer a fun way to adjust the airflow.

- Fast and intuitive navigation
- Easy use with consistent function array
- Improved legibility (150% better than traditional controller)
- Dedicated comfort cooling button

Wired Remote Controller MWR-WE11N

The MWR-WE11N wired, unified controller supports models AC, ERV, ERV Plus, AHU and FCU Kit. It features broad control functions, including on/off operation, mode fan speed, airflow, temperature setting and Sleep & Silent mode. Users can enhance system oversight with features such as child lock, automatic stop mode, different permission levels and wireless remote control restriction. On a clear, bright LCD-backlit screen, users can also monitor issues with the error display and apply summertime operation, supported by a built-in room temperature sensor. Operators can easily and comfortably manage system air conditioners with additional control capabilities such as:

- Individual and group control (maximum to 16 indoor units)
- Filter replacement alarm reset
- Weekly schedule setting (A/C, CRV, A/C+ERV)
- Exception date setting
- Individual blade control (supported to specific indoor unit models)
- MWR-WW00N (for DVM Hydro)

Wireless Signal Receiver MRK-A10N

It offers simple on/off control and improves system monitoring with features such as operation and error indication, and a filter replacement sign.

Simplified wired remote controller MWR-SH10N / MWR-SH00N

This simplified wired remote controller provides several control capabilities, such as on/off, operation mode, fan speed, airflow, temperature setting and filter replacement alarm reset. Users can exercise individual and group control for a maximum of 16 indoor units. An error display improves issue resolution, while mode selection protection guards the settings from tampering.

ERV wired remote controller MWR-VH12N

The ERV wired remote controller features synchronized operation with indoor units, enabling individual and group control of a maximum of 16 ERVs. Additional control functions include on/off control, operation mode (bypass, heat exchange), fan speed and simple schedule control. Plus, an error display improves issue resolution.

External room sensor MRW-TA

This external room sensor can sense the exact user environment temperature. It has a wire length of 12 m.

Building Management System

Streamline operations and costs with integrated management

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

LonWorks gateway

BACnet gateway

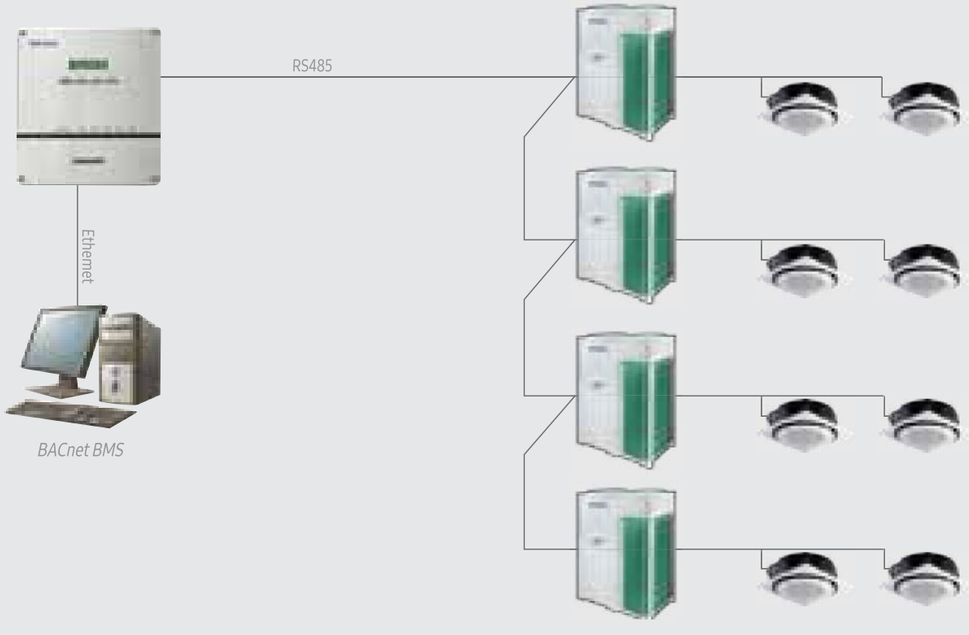
Building Management System
BACnet Gateway

BACnet gateway
MIM-B17N

BACnet gateway is an interface for connection to BACnet management system, providing users with a more convenient way to manage their air conditioning system. It can control a maximum of 256 indoor units.

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



BACnet BMS

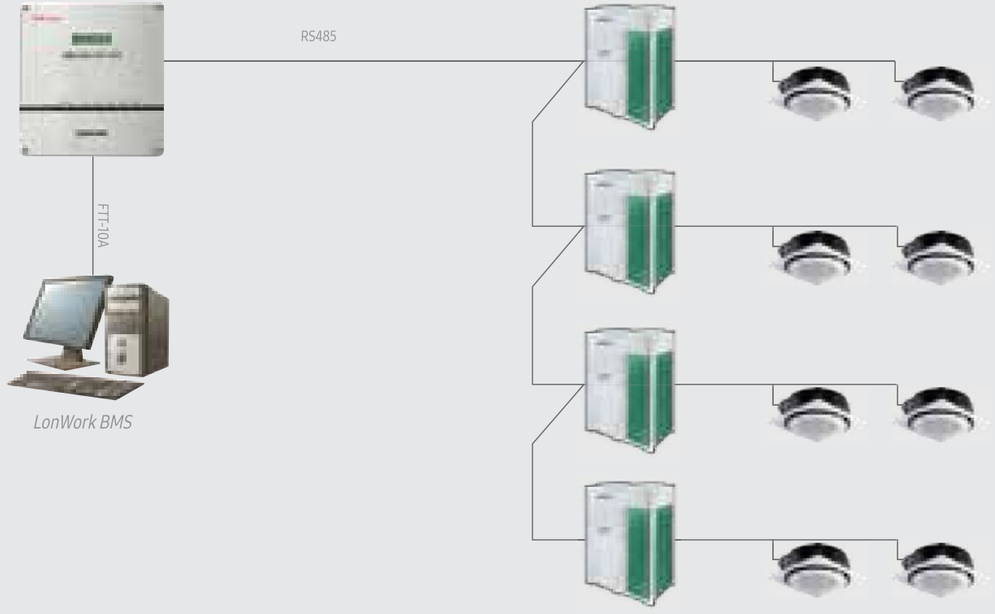
Building Management System
LonWorks Gateway

LonWorks gateway
MIM-B18N

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

Control		Monitoring	
• 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



Multi Wi-Fi KIT
Mobile Solution for System AC

Smart plug for easy mobile control and monitoring

Mobile Solution

Controlling all indoors remotely

Installing Multi Wi-Fi KIT
Up to 16 indoors with NASA communication

MIM-H03N
MIM-H03CN
MIM-H03UN

Key Features for App

Simple DMS function is

Scheduling
based on seven-days

Grouping
for turning on/off instantaneously

Energy monitoring
daily, weekly and monthly

– Energy monitoring is available only to products that update functionality

Mobile Solution

Control all indoors anywhere, anytime

In the office

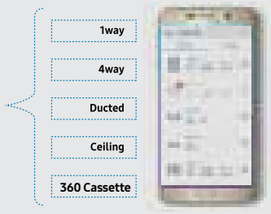
Turn it off now, I forgot it when leaving home

On the bed

No need to look for the remote controller

On the way

Turn it on now, Cool home before I get there



Feature of App – Scheduling

Easy Settings for 7 day weekly schedule

Shop manager
"easy-to-use timer for cooling"

Feature of App – Grouping

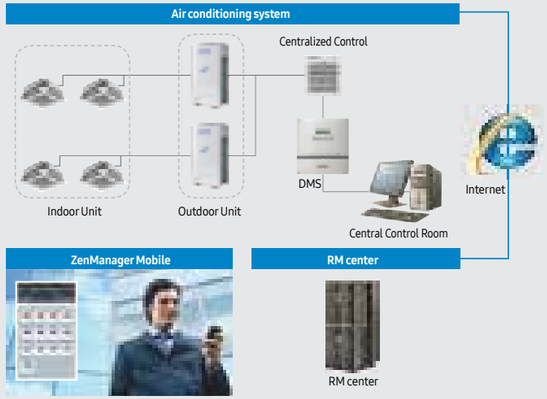
Enable to group indoors to turn on/off in the same time

Shop Manager
"One click to turn on all indoors of desired zone at home"

Remote Maintenance System (RMS)

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

RMS 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.



Group management

With RMS users can manage multiple sites from a central location and compare usage of multiple sites.

User-friendly widget

A chart and list widget and indoor unit widget simplify management.

Remote fault detection

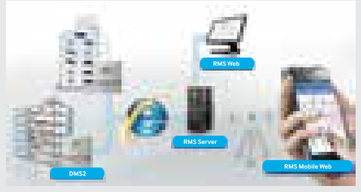
RMS features remote fault detection, check reason function and service notification.

Reports

Users can track usage trends with weekly and monthly reports.

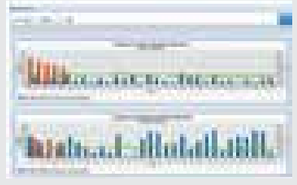
Mobile app

A mobile app enables monitoring and control and fault detection from anywhere.



Data analysis

Users can analyze uptime and power usage and back up cycle data.

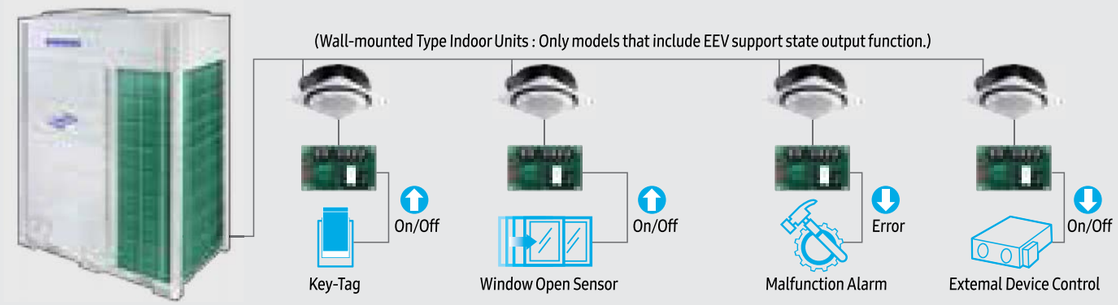


Guestroom Management Module

Avoid unnecessary energy usage and cooling costs

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.

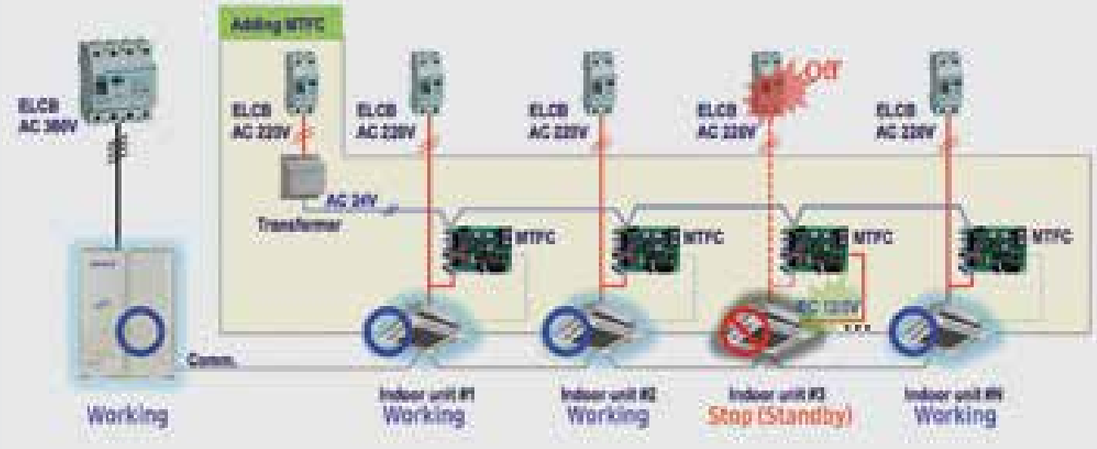


Multi Tenant Function Controller (MCM-C210)

MTFC solution

Even if some of the indoor units are switched off, MTFC detects it and supplies DC power to the indoor unit.

Also, the indoor unit stays standby mode closing EEV and blocking control signal until being switched on.



As a result, the other indoor units will be working well.

AHU Kit

Optimize performance and energy savings with seamless AHU connectivity

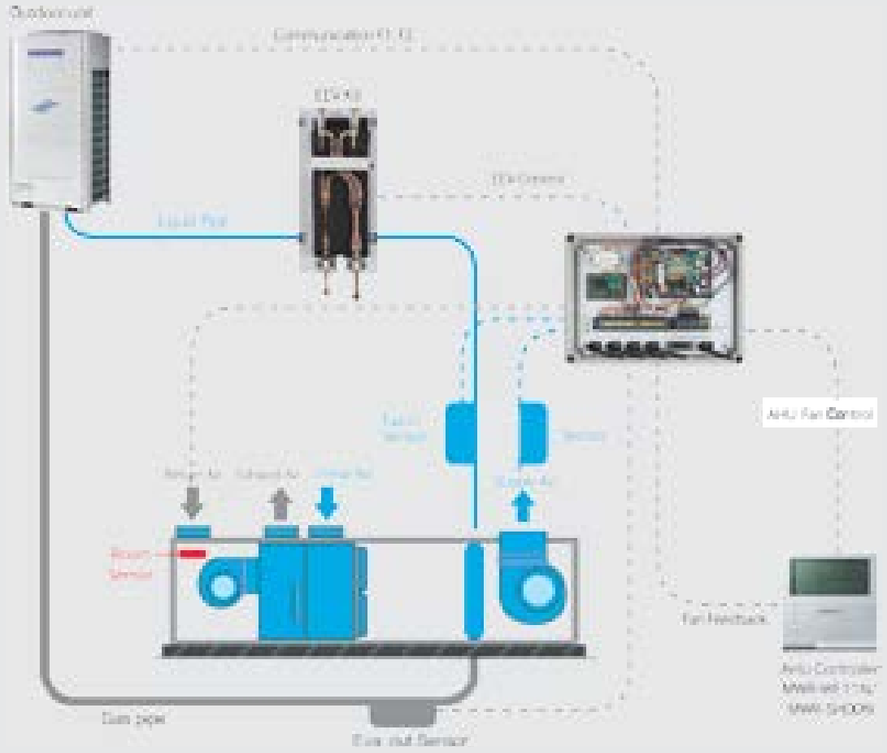
Samsung AHU Kit allows DVM S outdoor units to connect to air handling units (AHUs), which results in energy savings and improved performance and efficiency.

Features includes:

- Variable capacity
- 2.5/5/7.5/10 HP Kit
- Simple BMS application
- 0-10 V
- Discharge air temperature control

EEV and AHU controller- MXB-A64K100E (10HP), MCM-D201N (upto 40HP)

- MXD-K025AN
- MXD-K050AN
- MXD-K075AN
- MXD-K100AN



New DVM-Pro

Customize your air conditioning system with innovative design tools

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

Sale mode

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

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

CAD mode

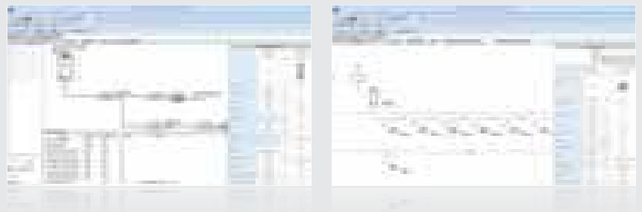
The CAD mode provides quick, easy, precise design, enabling users to customize their air conditioning system using AutoCAD add-on software. (AutoCAD is not included in New DVM-PRO.) This mode features:

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

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

Download! http://pvi.samsung.com ➡ Download Center ➡ Software ➡ NEW DVM-Pro

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



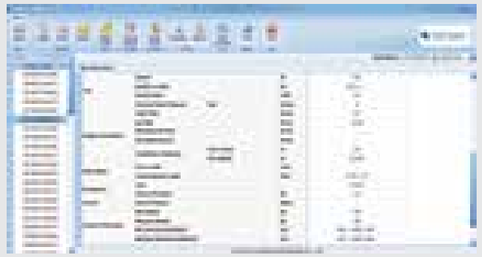
* Contact the administrator for authorization to download the program.

Energy simulation software

DVM E-Solutions

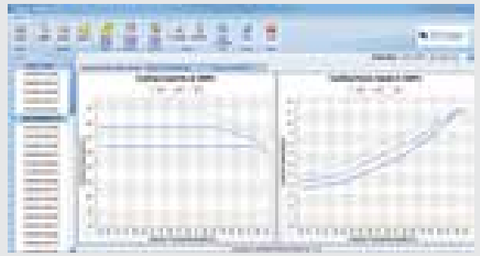
DVM E-Solution is used to perform energy load and usage simulation based on different equipment selection and operating conditions, by taking into consideration the initial and operating costs. Simulation reports available in various file formats make supporting technical data easily accessible.

Product Specification



Engineers can search products detailed specification at their desktops.

Capacity Chart



Designers can find capacity chart instantly at their desktops.

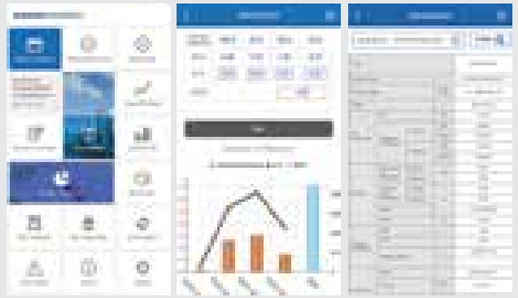
Seer, Scop And Energy Simulation

Engineers can optimize their design to achieve the best energy efficiency by carrying out energy simulation of DVM S with annual temperature data. The DVM S' SEER/ SCOP at various temperature and the weight factors can be simulated too.

Automatic Report

A comprehensive report that includes specifications, SEER, SCOP and energy simulation results can be generated automatically.

DVM MOBILE
(For Smartphone and Tablet)



DVM Mobile is designed to provide support at the fingertips to dealers, contractors and installers during their field work.

News & Notices

You can get latest product news and watch motion graphics with technical explanations from Samsung.

Product Specification

Engineers can access to technical information of DVM control solutions, FAQ, detailed product specifications and DVM capacities by temperature.

Seer, Scop and Energy Simulation

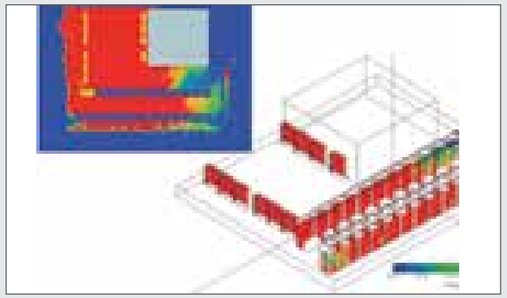
Engineers can optimize their design to achieve the best energy efficiency by carrying out energy simulation of DVM S with annual temperature data. The DVM S' SEER/ SCOP at various temperature and the weight factors can be simulated too.

CFD and Noise Simulation

CFD (Computational Fluid Dynamics)

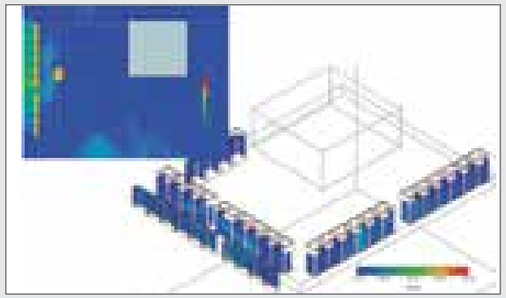
CFD is an example of Samsung's investments to continuously provide our customers with cutting edge technology. CFD modelling is based on the design condition of the job site and it helps ensure that the airflows in the environment and proper operation of the products are considered in our recommendation.

Before



CFD simulation showed that the ambient temperature was higher than the operating temperature for the outdoor units as highlighted in red.

After

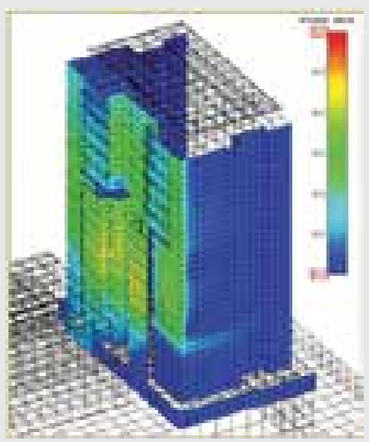


Air guide panels were proposed to be installed between each row of outdoor units. The CFD simulation showed that this solution reduced the ambient temperature to within the operating temperature range of the outdoor units.

Noise Simulation

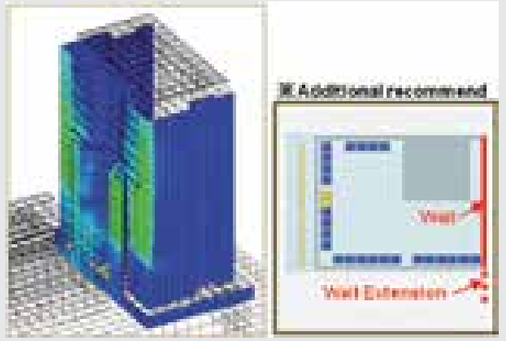
Noise would be another concern especially in those cases where numerous outdoor units are to be placed near residential buildings. During the design phase, Samsung noise simulation can clearly identify potential noise issues, and provide the appropriate solutions.

Before



Noise simulation showed that the outdoor units would cause noise level of over 60dB for the residential blocks nearby.

After



A sound proofing wall was proposed to be installed near the last row of outdoor units. Noise simulation demonstrated that this solution would reduce the noise level caused by the outdoor units to 40dB.

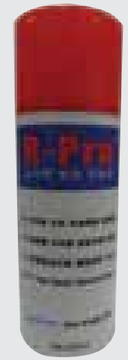
- Prior registration may be required. Software/ application for selected products only, terms and conditions apply."

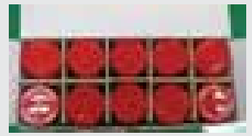
- Based on CFD Analysis

R-Pro
Safeguard Your Air-Conditioner From Corrosive Environment

What is Anti-corrosion spray?

- Protect or delay corrosion by spraying on the corrosive part or surface
- Spay on rusty surface of material to protect against salt damage and other corrosive media.
- Adaptable for all kind of metal and no heavy metal(Pb, Hg, Cd) & carcinogen included
- Quick-drying(1~2 min) and form a protective film which is 15㎛ thickness, colorless, odorless(Soft coating)
- Long lasting protection & No chemical reaction with salt water and rain water





Anti-Corrosion Spray 10EA

The effect of R-Pro spray

When the equipment put into the corrosive environment, the lifetime of equipment will be reduced.
The coating by anti-corrosion spray halt corrosion by blocking chemical reaction

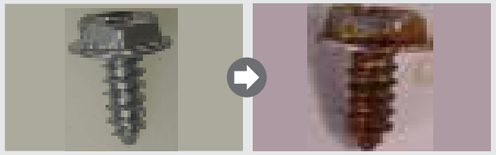
- Anti-corrosion of Cu, Al Pipe & Brazing part
- Increase Corrosion resistance of Chassis & edge of outdoor unit & non coated part
- Increase Corrosion resistance of Screw & Head of screw

Screw with anti-corrosion coating

<Test 500H>

Material : carbon Steel
Surface treatment : Zn-Ni + Anti-corrosion coating

Screw without anti-corrosion coating

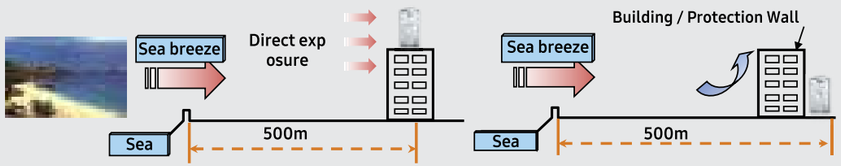


<Test 500H>

Material : stainless steel 410
Surface treatment : Zn-Ni

Near seashore

Damage from sea breeze - Due to the influence of see breeze, Corrosion is accelerated.



Industrial/Corrosive-gas generating area

- Industrial atmosphere pollution by sulfur compounds (SO2, NOx and etc)
- Cattle sheds, pigsties and waste water disposal plant, extract fan of toilet (hydrogen sulfide, ammonia and etc)

Accessories

CLASSIFICATION	IMAGE	MODEL		APPLICATION
		DVM S, Single (New Communication Protocol)	Single, FJM	
Drain Pump		MDP-E075SEE3D	MDP-E075SEE3	Slim Duct (2.0 ~ 14.0 kW)
		MDP-M075SGU1D	MDP-M075SGU1	M.S.P Duct (9.0/11.2 kW)
		MDP-M075SGU2D	MDP-M075SGU2	M.S.P Duct (12.8/14.0 kW) H.S.P Duct (14.0/16.0 kW)
		MDP-M075SGU3D	MDP-M075SGU3	M.S.P Duct (5.6/7.1 kW)
		MDP-N047SNC0D	-	O.A.P Duct (14.0 kW)
		MDP-N047SNC1D	MDP-N047SNC1	H.S.P Duct (22.4/28.0 kW) Fresh Air Intake Duct (22.4/28.0 kW)
		MDP-G075SP	MDP-G075SP	Duct S (External Type)
		MDP-G075SQ	-	Duct S (Internal Type)
PDM Kits (High Elevation Kits)		MXD-A38K2A	-	8~12 HP
		MXD-A12K2A	-	14~16 HP
		MXD-A58K2A	-	18~22 HP
AHU Kits		MXD-K025AN	-	7.0 ~ 8.75 kW AHU
		MXD-K050AN	-	14.0 ~ 17.5 kW AHU
		MXD-K075AN	-	21.0 ~ 26.25 kW AHU
		MXD-K100AN	-	28.0 ~ 35.0 kW AHU
		MXD-A64K100E	-	AHU EEV Kit (10HP)
		MCM-D201N	-	Control Kit (PBA, 10HP~40HP)
360 Cassette AC Panel		PC4NUDMAN	PC4NUDMAN	NASA, Square
		PC4NBDMAN	PC4NBDMAN	NASA, Square - Black
		PC4NUNMAN	PC4NUNMAN	NASA, Circle (Exposed installation)
		PC4NBNMAN	PC4NBNMAN	NASA, Circle (Exposed installation) - Black
4 Way Cassette Front Panel		PC4SUFMAN	-	4Way Cassette S - Wind-Free™ - Classic
		PC4NUSKAN	PC4NUSKA (Korea) PC4NUSMA (China)	4Way Cassette S - Waffle
		PC4NUSKEN	PC4NUSKE (Korea) PC4NUSME (China)	4Way Cassette S - Classic
		PC4NBSKAN	PC4NBSKA	4Way Cassette S - Black
4 Way Cassette (600 x 600) Front Panel		PC4NUFK1N	-	4Way Cassette S (600x600) Wind-Free™ - Classic
		PC4SUSMBN	PC4SUSMB	4Way Cassette S (600x600) -Waffle
		PC4SUSMFN	PC4SUSMF	4Way Cassette S (600x600) -Classic
1 Way Cassette Front Panel		PC1NUPMAN	PC1NUPMA	"Slim 1Way Cassette Wind-Free™
		PC1BWPEAN	-	"Slim 1Way Cassette Wind-Free™
		PC1NWSMAN	-	1Way Cassette (New Air Fluid Design) (2.2~3.6kW)
		PC1BWSMAN	-	1Way Cassette (New Air Fluid Design) (5.6~7.1kW)
		PC1NUSMAN	PSSMA	"Slim 1Way Cassette (2.2~3.6kW)"
		PC1BWSEAN	-	"Slim 1Way Cassette (5.6~7.1kW)"
		PC1NUPMAN	PC1NUPMA	"Slim 1Way Cassette Z-Sliding (2.2~3.6kW)"
		PC1BWPEAN	-	"Slim 1Way Cassette Z-Sliding (5.6~7.1kW)"

Accessories

Classification	Image	Model	Description	APPLICATION
2 Way Cassette Front Panel		PC2NUSMEN	-	2Way Cassette
Virus Doctor		MSD-CAN1	MSD-CAN1	"4Way Cassette S 4Way Cassette S (600x600)"
		MSD-EAN1	MSD-EAN1	ERV, Global Duct
Motion Detect Sensor		MCR-SMA	MCR-SMA	4Way Cassette S (600x600)
Y- joint		MXJ-YA1509N	15.0kW and below	DVM S
		MXJ-YA2512N	Over15.0 ~ 40.6kW and below	
		MXJ-YA2812N	Over 40.6 ~ 46.4 kW and below	
		MXJ-YA2815N	Over 46.4 ~ 69.6 kW and below	
		MXJ-YA3419N	Over 69.6 ~ 98.6 kW and below	
		MXJ-YA4119N	Over 98.6 ~ 139.2 kW and below	
		MXJ-YA4422M	Over139.2 kW	
Y-joint (High Pressure Gas) for HR module		MXJ-YA1500M	23.2 kW and below	DVM S HR
		MXJ-YA2500M	Over 23.2 ~ 69.6 kW and below	
		MXJ-YA3100M	Over 69.6 ~ 139.2 kW and below	
		MXJ-YA3800M	Over139.2 kW	
Outdoor Joint (Outdoor Connection)		MXJ-TA3819M MXJ-TA3419M	Below 48 HP	DVM S
		MXJ-TA4422M MXJ-TA4122M	Over 48 HP	
Outdoor Joint (High Pressure Gas) for HR Module		MXJ-TA3100M	Below 48 HP	DVM S HR
		MXJ-TA3800M	Over 48 HP	
DPM Y-joint		MXJ-2D2509K	2-indoor unit connection	CAC Inverter(4way, 4way 600x600)
		MXJ-3D2509K	3-indoor unit connection	
		MXJ-4D2509K	4-indoor unit connection	
Header Joint		MXJ-HA3819N	Over 69.7 kW	DVM S
		MXJ-HA3115M	Below 69.6 kW	
		MXJ-HA2512N	Below 46.4 kW	
MCU Kits		MCU-S6NEK2N	Up to 48 units (1 port, 8 units) - Below 16 kW: Port 1EA - Max capacity: 61.6 KW	DVM S HR
		MCU-S4NEK3N	Up to 32 units (1 port, 8 units) - Below 16 kW: Port 1EA - Max capacity: 61.6 KW	
		MCU-S2NEK2N	Up to 16 units (1 port, 8 units) - Below 16 kW: Port 1EA - Max capacity: 32 KW	
		MCU-S1NEK1N	Up to 8 units - Below 16 kW: Port 1EA - Max capacity: 16 KW	
Anti-Corrosion Spray		MOK-220SA	R-Pro	