SAMSUNG

Samsung Air Conditioner

DVM S2

Digital Variable Multi



About Samsung

The leading brand in the air conditioning industry

Samsung Electronics has come a long way since introducing its first air conditioner in 1974. Having entered the European market for commercial air conditioning in 2005, we have experienced rapid growth and support for our expanding global operations in climate systems. Samsung Electronics Co., Ltd. opened Samsung Electronics Air Conditioner Europe B.V. in Amsterdam at the start of 2017. Staff at our European headquarters and local subsidiaries strive to provide the best level of service and support to our partners across more than 30 European countries, in order to achieve mutual growth and success going forward.

It is our focus at Samsung to provide cutting-edge innovations in climate-based initiatives, as well as lasting digital connectivity solutions, fulfilling the needs of cooling, heating, domestic hot water, ventilation and smart building solutions, particularly across retail, hotel, office and home environments.



GLOBAL NETWORK

A total of 266,673 employees work across Samsung's global network. (as of December 2021)

266,673
Employees

74
Countries

more than
230
Global Bases

15
Regional Offices

32
Production Sites

39
R&D Centers

7
Design Centers

54
Sales Offices



Our history

Continuous innovation

Samsung has been manufacturing air conditioners and challenging the status quo of the industry for over 40 years.

Thanks to cutting-edge innovations in design and technology, we will continue to aspire to be a leader in the cooling and heating industry in the years to come.



1974
Began WAC Production

1975
Began RAC Production



1985
Began Inverter RAC / FAC / PAC Production



1992
Began SAC Production

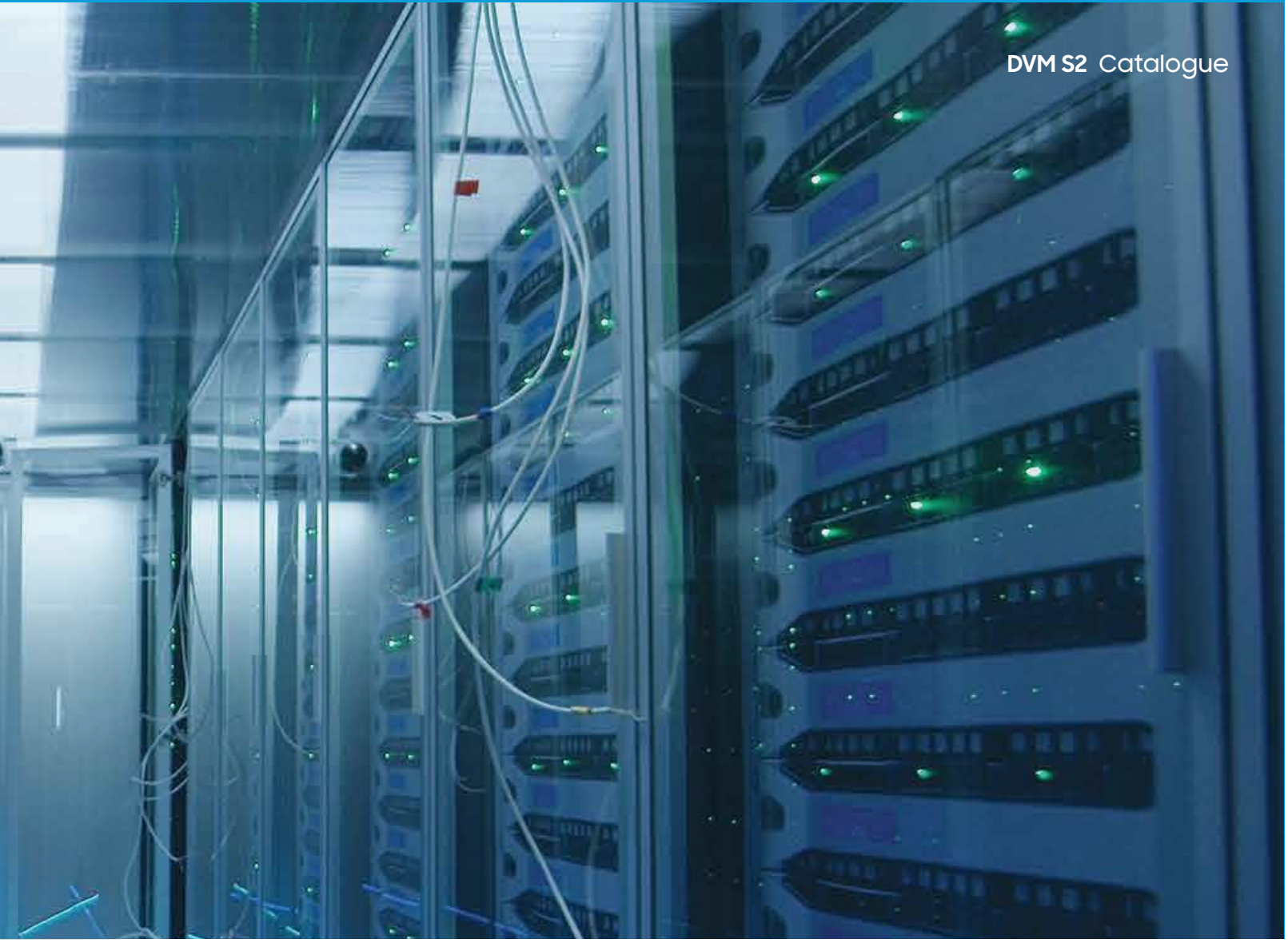




2000
First Launched DVM Water

2007
Launched World's Largest Capacity DVM+4 (22HP, Max 88HP)







2012
Launched Wi-Fi Control RAC
(Jungfrau)

2013


Launched Triangle Design
RAC (A3050)

2015
Introduced World's First
360 Cassette
30HP DVM



2017
Launched **Wind**Free™



2018


Extended **Wind**Free™
With Cassette Range

2020
Launched All New **Wind**Free™
RAC (with PM 1.0 Filter)



2022
Launch **DVM S2**



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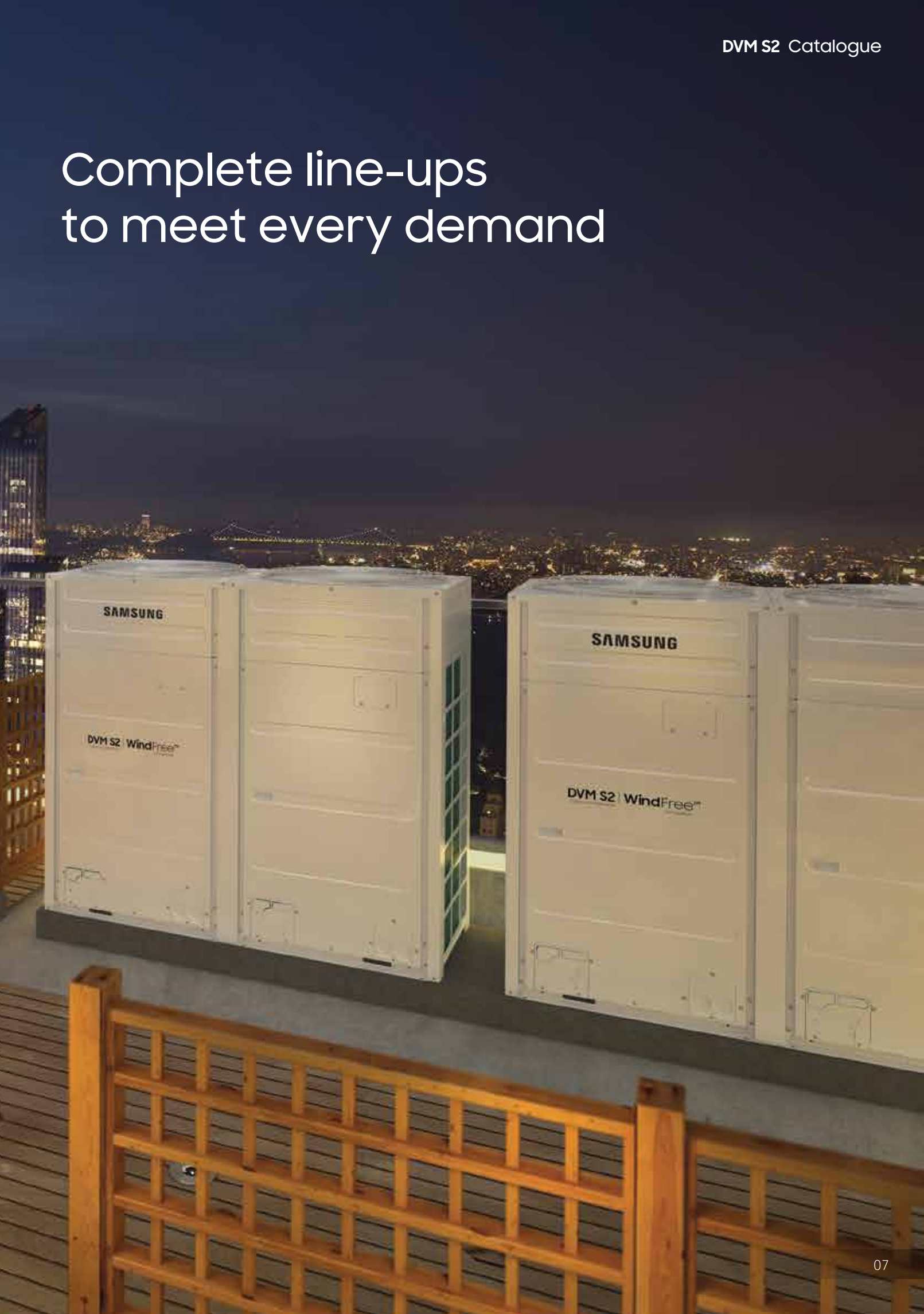
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Complete line-ups to meet every demand



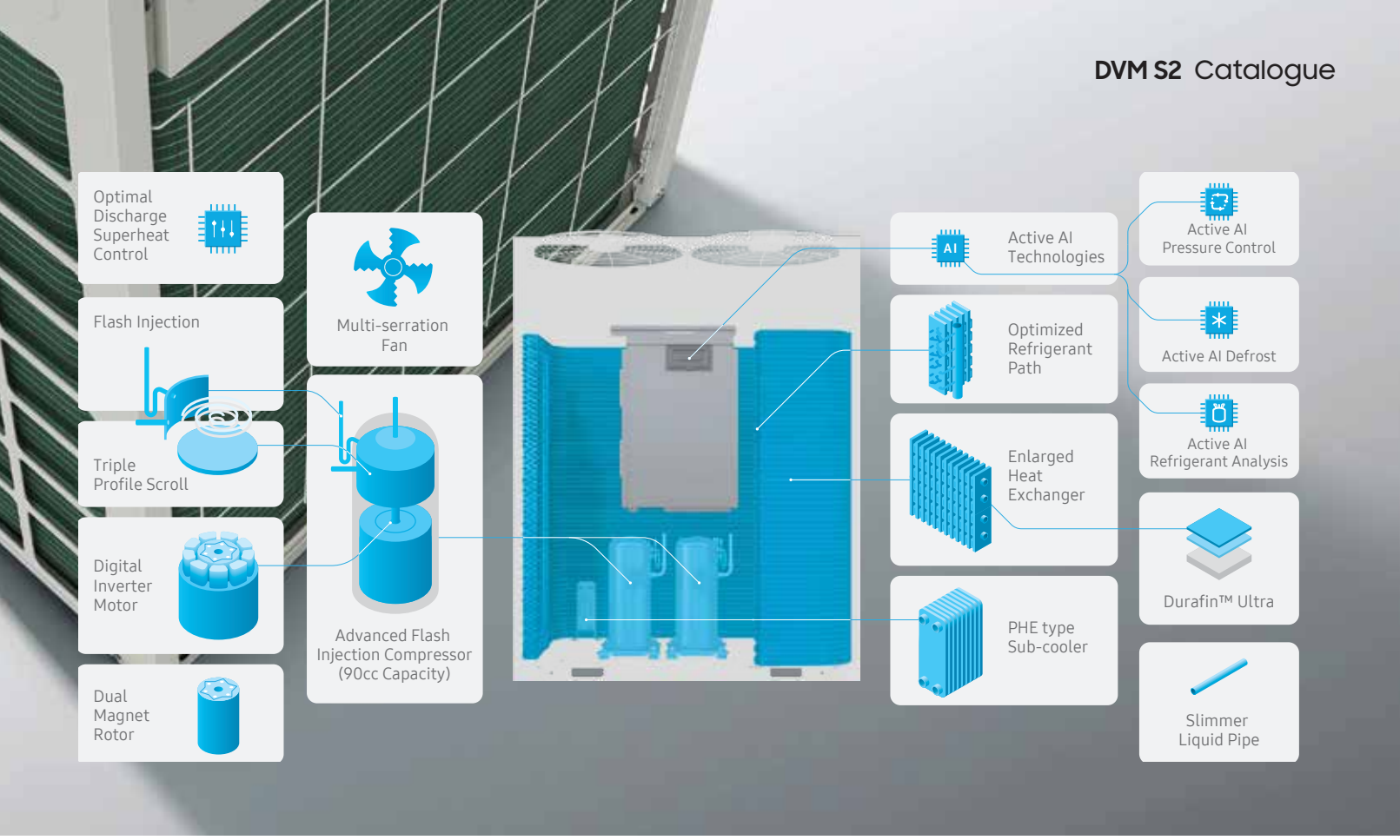
OUTDOOR UNIT

DVM S2

Rebuilt on all new innovations. The ultimate in efficiency and reliability.



True innovation is a rare thing.
So, the multiple new technologies in the Samsung DVM S2 make it truly unique.



Energy Efficiency

Cost & Energy Saving

- Enlarged Heat Exchanger
- 90cc Chamber with Triple Profile Scroll
- Optimized Refrigerant Path
- 9 Release Valves
- High-efficiency IGBT
- Active AI Pressure Control
- Slimmer Liquid Pipe
- Advanced Flash Injection Compressor
- Optimized DSH Control

Reliability

Any installation condition

- Dual Heat Sink
- Kammtail Motor Bracket
- Wider Operating Temp. Range
- Durafin™ Ultra
- Robust Frame
- Galvanized Iron Steel Plate (GI)

Comfort

Low Noise

- Quiet Operation
- Multi-serration Fan
- Diffuser Type Discharge Plenum
- Active Frequency Drive 10Hz

Design Flexibility

Fit in & Perform consistently in a variety of installation conditions

- Compact Design
- High Elevation with Long Piping
- Optimized Ref. Distribution Control
- Up to 110Pa External Static Pressure

Convenience

Services with less effort & cost worried-free

- On-Device Inverter Check™
- Center Point Indicator of Weight
- Active AI Refrigerant Analysis
- Simplified Cover with Handle
- Emergency Operation

Maximized efficiency

minimizes waste of energy

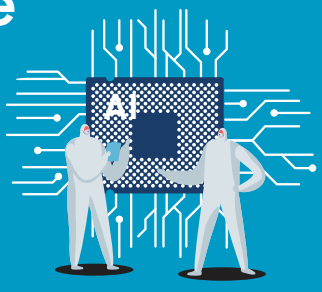


The DVM S2 has been redesigned to cut the cost of cooling with energy-efficient technologies. The enlarged Heat Exchanger has a much greater transfer area to exchange heat faster. An optimized refrigerant path also matches the air flow speed to improve the transfer of heat. An aerodynamic Multi-serration Fan generates more air flow while consuming less electricity as it minimizes air turbulence. And a 7th generation insulated gate bipolar transistor (IGBT), which switches current and frequency to suit the system, reduces the loss of conducted electricity.

- Enlarged Heat Exchanger
- Optimized Refrigerant Path
- Multi-serration Fan
- High-efficiency IGBT

Artificial intelligence

controls more efficiently



The DVM S2 optimizes its cooling performance automatically, based on a learning and optimizing algorithm about the installation conditions and usage patterns. Active AI Pressure Control intelligently adjusts the refrigerant condensing pressure and evaporating pressure, so it provides fast cooling with low energy consumption. Active AI Defrost ensures it defrosts more precisely, so it increases the continuous heating time significantly. And Active AI Refrigerant Analysis proactively monitors and helps maintain the optimum level of refrigerant.

- Active AI Pressure Control
- Active AI Defrost
- Active AI Refrigerant Analysis

Less refrigerant

reduces environmental risks



The DVM S2 saves money and helps protect the environment with its efficient and flexible piping system. It is equipped with a high-performance sub-cooler that improves the sub-cooling rate of refrigerant. Its slimmer liquid pipe also means it requires 28%* less refrigerant compared to a normal pipe, on average. So it reduces the costs of installation and maintenance and also provides added flexibility in designing the entire system. In addition, by using less refrigerant, it is much more environmentally friendly.

- Slimmer Liquid Pipe

* When a slimmer pipe, instead of a normal pipe, is used for the Main Liquid Pipe on the same capacity of air conditioning system, the amount of refrigerant to be charged can be reduced by 28% on average.

Superior heating performance

replaces fossil fuel



The DVM S2 introduces a new era of eco-friendly performance and efficiency. It features Advanced Flash Injection technology with a new Triple Profile Wrap and Optimal Discharge Superheat (DSH) Control. The improved strength of its Flash Injection, which delivers superior heating in frozen conditions, means that the capacity is now much larger (90cc). So it is powerful enough to replace conventional heating methods that use fossil fuel. And its highly efficient Optimal DSH Control saves even more energy, which helps to reduce CO_2 emission.

- Flash Injection Technology
- Triple Profile Scroll
- Dual Magnet Motor
- Optimized DSH Control

Energy Efficiency

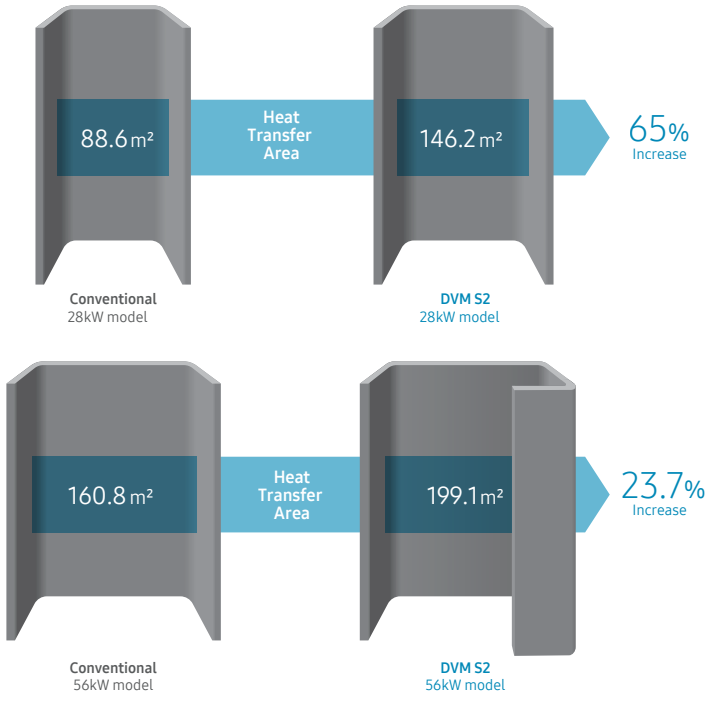
Cost & Energy Saving



Transfers more energy with an enlarged contact area

Enlarged Heat Exchanger

The Samsung DVM S2 has an enlarged heat exchanger that is capable of transferring much more heat at once. Its heat transfer area is up to 65% larger* to quickly exchange heat. As a result, it consumes less energy to achieve the same cooling and heating performance.

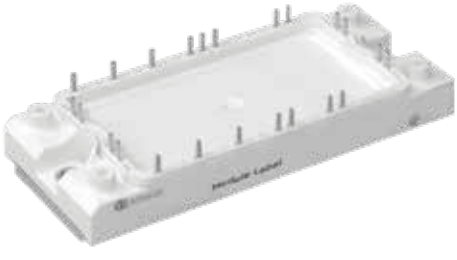


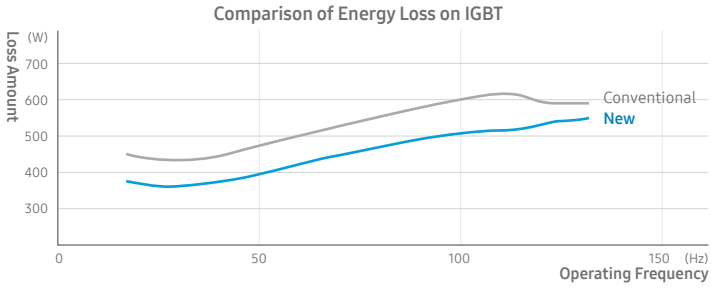
* Based on Samsung's measurements, comparing 28kW and 56kW models of DVM S2 and conventional outdoor unit.

Reduces the loss of conducted electricity

High-efficiency IGBT (Insulated Gate Bipolar Transistor)

An IGBT has a key role in inverter systems. It switches direct current (DC) to alternating current (AC) and maintains a frequency (Hz) that is suited to the system. So, the efficiency of an IGBT affects the efficiency of the whole air conditioning system.
The Samsung DVM S2 uses the 7th generation of IGBT, which reduces the loss of conducted electricity by 20%*, while being 36% smaller in size. As a result, the Inverter Controller's energy efficiency is improved by up to 3.6%*, depending on the operating.





* Based on internal testing of the DVM S2 33.6kW model compared to a conventional outdoor unit, combined with 6 GD2 5.6kW indoor units. Results may vary depending on the individual test or usage conditions.

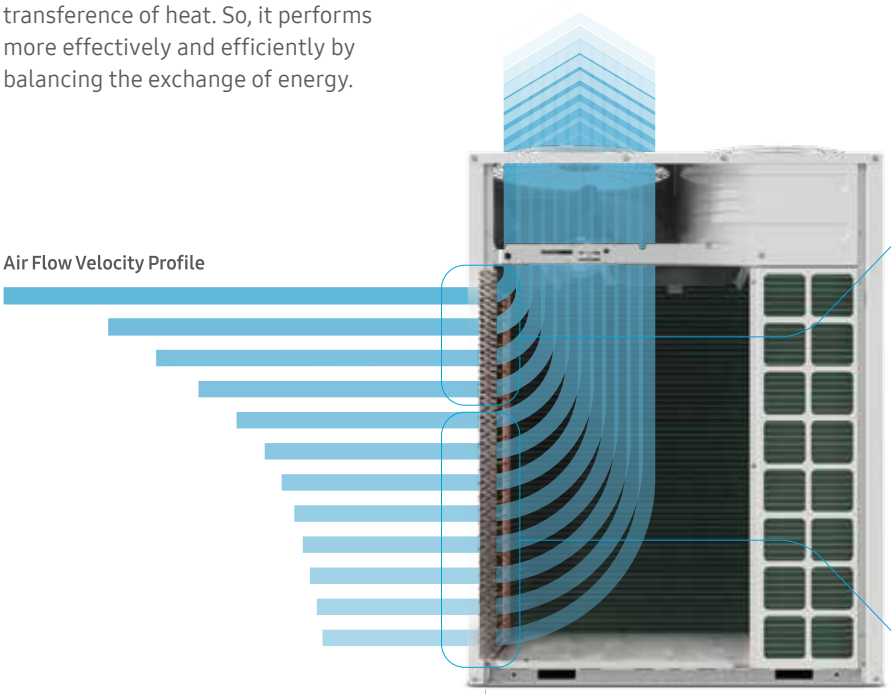
Energy Efficiency

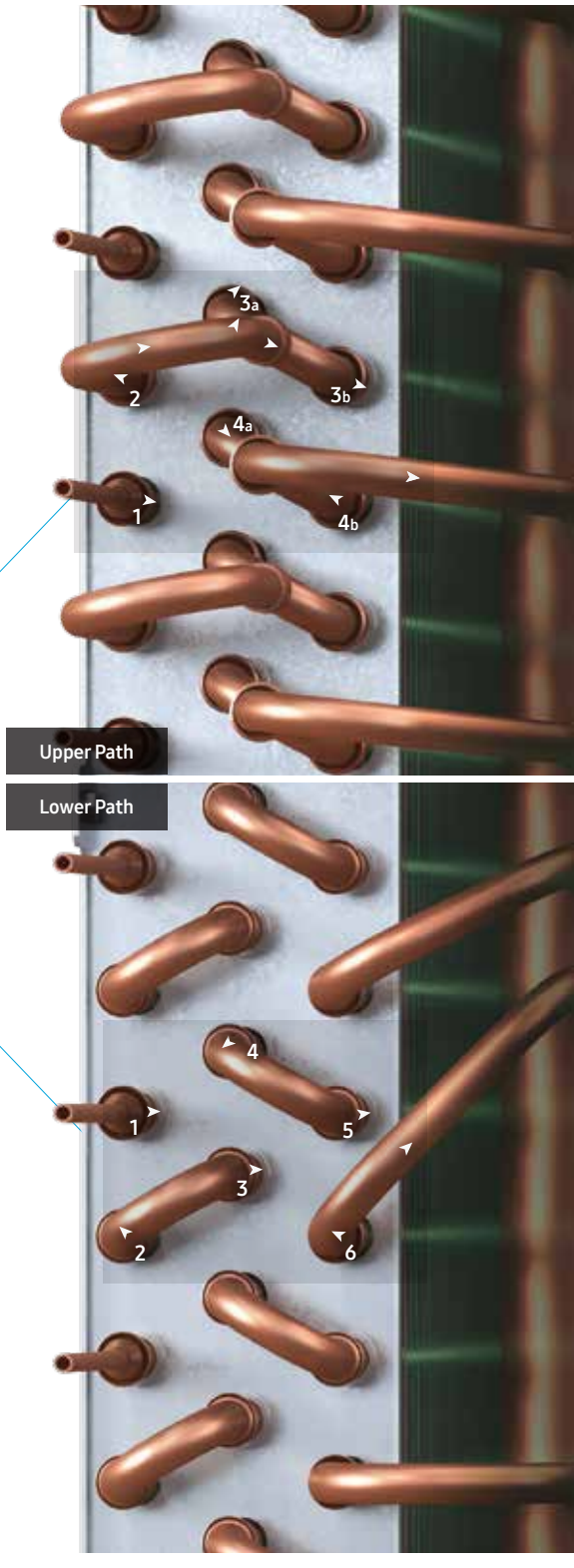
Cost & Energy Saving

Optimized refrigerant flow matches the air flow velocity

Optimized Refrigerant Path

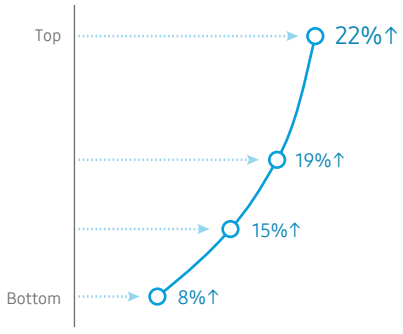
The air flow speed inside the outdoor unit varies depending on how far it is from the top fan – the closer the faster and the farther the slower – which normally results in the uneven exchange of heat from top to bottom. The Samsung DVM S2 has an optimized refrigerant path* that ensures that the flow of the refrigerant matches the air flow speed, which optimizes the transference of heat. So, it performs more effectively and efficiently by balancing the exchange of energy.





Rate of Improvement in Pressure Loss Reduction**

The refrigerant flow rate is adjusted by increasing the mass flow rate in order to increase the amount of heat exchanged in the upper part.



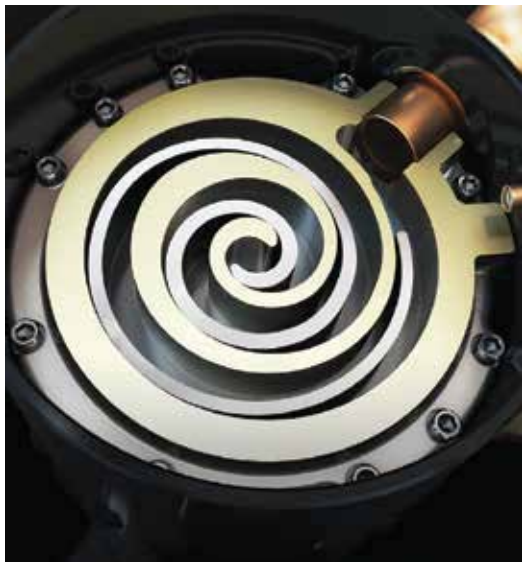
* The shape of the refrigerant path differs by model.

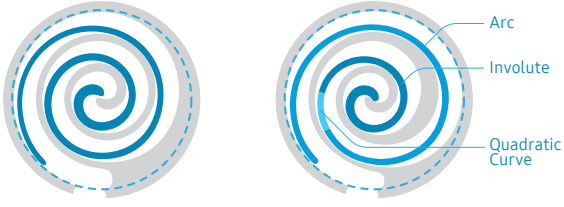
** Based on an internal module evaluation. Results may vary depending on the individual test or usage conditions.

Circulates more refrigerant while using less energy

90cc Chamber with new Triple Profile Scroll

The Samsung 90cc Inverter Scroll Compressor used in the Samsung DVM S2 circulates up to 17% more refrigerant*. Its new Triple Profile Scroll combines arc, involute and quadratic curves and also has a thicker profile towards the middle to reinforce the strength of the center part. So, it creates a larger chamber and rotates reliably at high speed. By delivering a higher level of performance at a lower frequency, it consumes less electricity and improves overall energy efficiency, especially in a high frequency domain.





Algebraic Scroll
Flash Injection (80cc)
2015

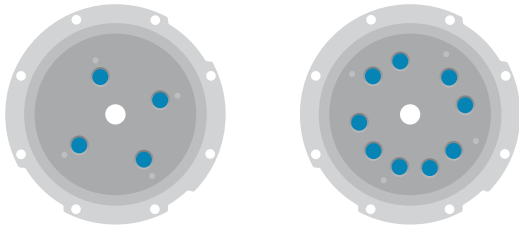
Triple Profile Scroll
Advanced Flash Injection (90cc)
2021

* Samsung circulates 14,400cc/sec refrigerant (= 90cc (displacement volume) x 160rps (revolutions per second)), while Company A circulates 12,480cc/sec (= 96cc x 130rps), Company B circulates 14,080cc/sec (= 88cc x 160rps) and Company C circulates 12,320cc/sec (=88cc x 140rps).

Reduced losses at partial loads

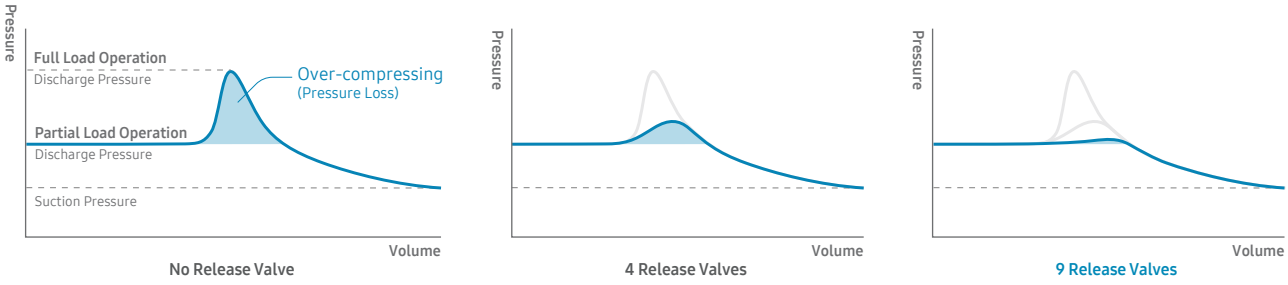
9 Release Valves

Compressors always draw in the maximum amount of refrigerant to generate the 100% pressure needed to operate at full load, as their chamber size is not variable. And, to compress more refrigerant, more electricity is required. So, it's very important to release any excessive refrigerant pressure in order to save energy when there's only a small load that doesn't need a high discharge pressure. The new Samsung 90cc Scroll Compressor has 9 Release Valves, so it accurately and immediately releases refrigerant to prevent the over-compressing that wastes electricity.



Conventional Scroll Compressor (80cc)
4 Release Valves

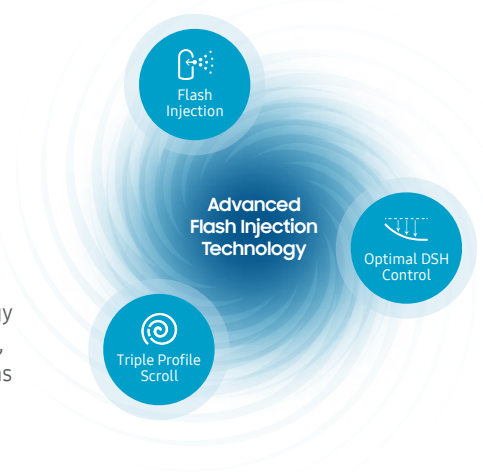
New Samsung Scroll Compressor (90cc)
9 Release Valves



Energy Efficiency

Cost & Energy Saving

Better heating performance with Advanced Flash Injection technology



Advanced Flash Injection Compressor

The compressor is the engine that makes a major contribution to the overall performance of an air conditioning system. Samsung has been developing core technologies to reinforce the power of its global-leading compressor. The result is the Samsung Advanced Flash Injection Compressor, which includes a host of brand-new innovations created by Samsung. By combining Flash Injection technology with a strengthended Triple Profile Wrap and Optimal Discharge Superheat (DSH) Control technology, the Samsung DVM S2 delivers a new level of comfort by maintaining pleasantly cool or warm conditions in every corner of a building all year round.

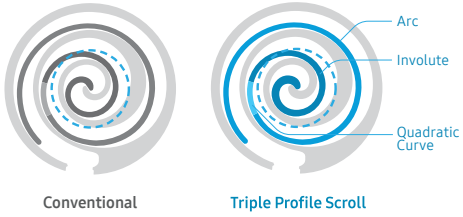


Super durability and speed create an unrivaled capacity

Triple Profile Scroll and Dual Magnet Rotor

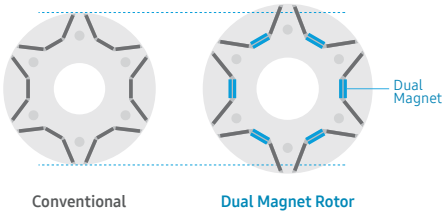
In order to compare flash type refrigerant and increase the total amount of compression, the compressor needs to have much better durability and rotary power. The DVM S2 has a Triple Profile Scroll that combines arc, involute and quadratic curves to create a much larger chamber, and the strength of the center part is significantly reinforced with a thicker profile towards the middle.





And, its new motor also has a 11.4% enlarged rotor with many more magnets, which increases the rotary power by 10.8%**.





As a result, it has an incredible 90cc compression chamber and operates at a superfast 160rps (revolutions per second). So, it provides the exceptional reliability needed to keep rooms warm in severely cold weather.

* *Based on internal testing, compared to a Samsung's conventional motor.

Proven Reliability of the Samsung Advanced Flash Injection Compressor

The Advanced Flash Injection Compressor of the DVM S2 has been certified with a Reliability Mark (R-Mark), organized by the Korea Reliability Certification Center, Korean Reliability Society.

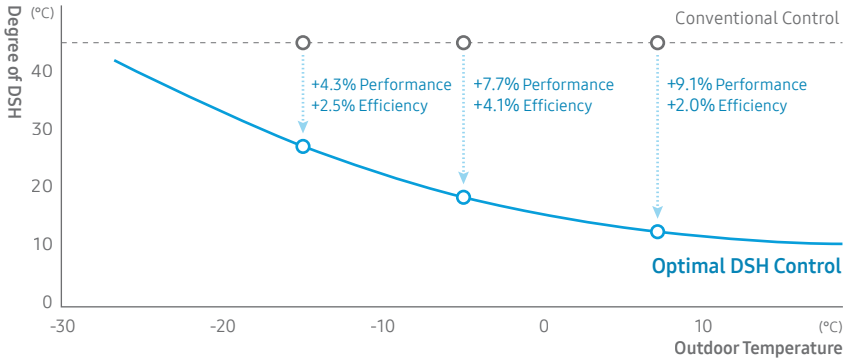
[No. R-KORAS-2018-012] Inverter type (Variable Speed) scroll compressor

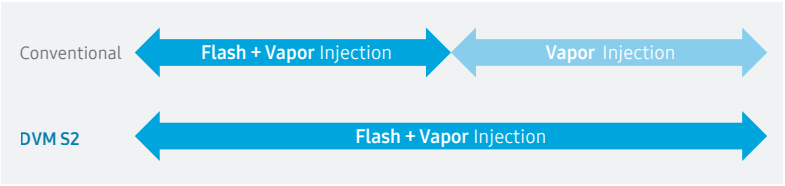


Optimally controls the degree of discharge superheat to improve both performance and efficiency

Optimal Discharge Superheat (DSH) Control

The heating load and external temperature are the two most influential factors on an outdoor unit's heating performance. So, the Samsung DVM S2 automatically adjusts the degree of discharge superheat to reflect any changes in them and heat more efficiently and effectively. This new method of control improves the heating performance by up to 9.1% and increases operational efficiency by 2% at 7°C*.



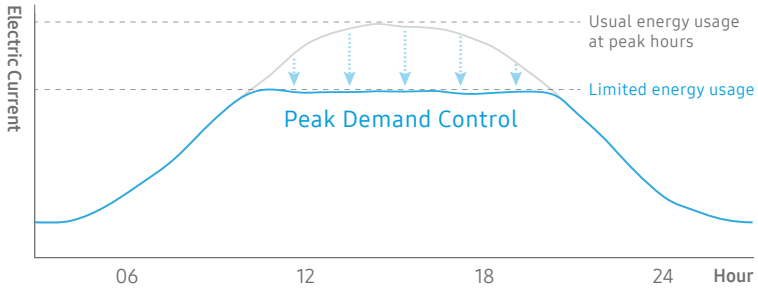


* Based on internal testing. Results may vary depending on environmental factors and individual use.

Simply limits power consumption

Peak Demand Control

To help businesses manage their power consumption and related costs better, the DVM S2 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.



Energy Efficiency

Cost & Energy Saving

Automatically optimizes to save energy

Active AI Pressure Control*

The optimal refrigerant condensing pressure is very important to ensure a stable cooling and heating performance. It needs to maintain a much higher pressure if the piping length is long or if there is a large difference in elevation, although the opposite is not the case. In reality, more than 90% of outdoor units are installed in a situation where the elevation is 30m or lower and the pipe length is 100m or shorter** (Figure 1). Using Active AI Pressure Control*, the DVM S2 recognizes both the piping length and the difference in elevation and learns the users' usage pattern and external temperature in real time. It then automatically adjusts the refrigerant condensing pressure accordingly, by up to 32% (Figure 2). As a result, it reduces the energy consumption by 15%*** when the condensing pressure is reduced by 12% (Figure 3).

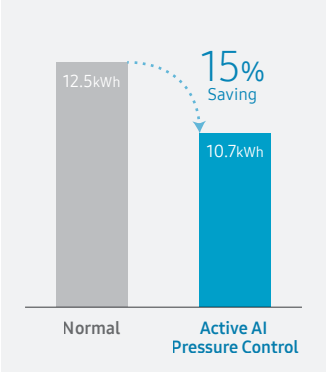


Figure 3. Cumulative energy consumption over 4 hours

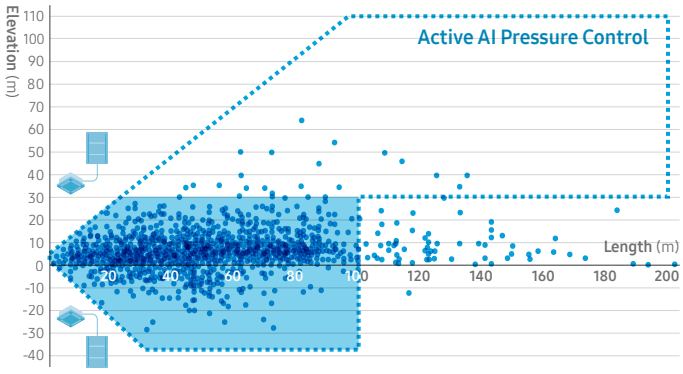


Figure 1. Installation sites by piping length and elevation*

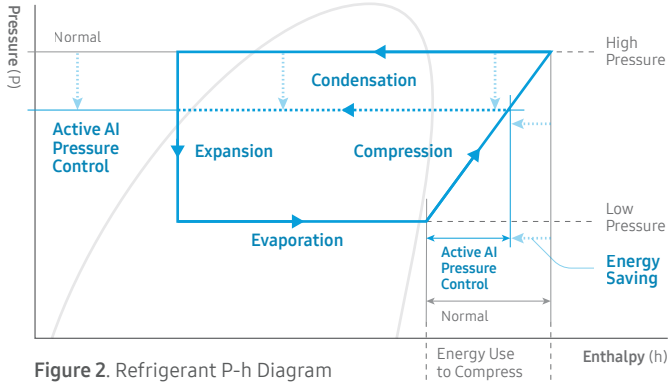


Figure 2. Refrigerant P-h Diagram



Optimal cooling by learning usage patterns

By learning usage patterns from recent cooling operations and the surrounding conditions, the DVM S2 proactively creates the optimal cooling environment to suit users' general requirements.
For example: (1) If a user frequently lowers the room temperature when turning on the air conditioner, the Active AI Pressure Control recognizes this pattern. So, when the air conditioner is turned on again, it automatically lowers the pressure of the inflow refrigerant by up to 33% and cools up to 20% faster****. (2) However, if there's no need for fast cooling, it saves energy by adjusting the refrigerant pressure to be higher than normal.

* Optionally available depending on the installation conditions. For detailed information, please refer to the installation manual.

** Based on internal analysis.

*** Based on internal testing with an AM080AXVGGH/EU outdoor unit connected to AM083NN4DBH1 and AM145NN4DBH1 indoor units with 25m of piping, using the cooling operation in Auto mode for 4 hours, with an external temperature of 30°C and a set temperature of 22°C. Results may vary depending on the actual installation and usage conditions, such as the piping length, elevation and external temperature.

**** Based on internal testing of the cooling operation, with the temperature set at 22°C and using Auto mode for 4 hours, at a room temperature of 33°C and an external temperature of 35°C. The tested model was an AM080AXVGGH/EU connected to AM083NN4DBH1 and AM145NN4DBH1 indoor units with 25m of piping. The elapsed times were measured when the room temperature reached 25°C.

Greater design flexibility and lower costs

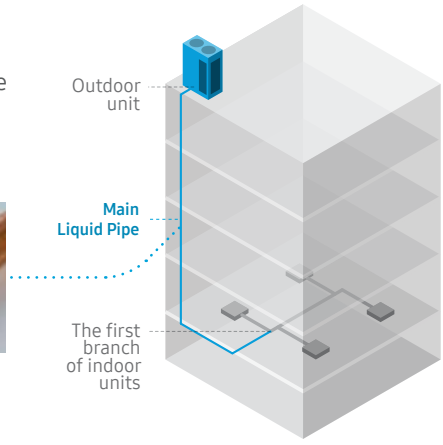
Slimmer Liquid Pipe (Optional Diameter Reduction)*

The Samsung DVM S2 is equipped with a high-performance sub-cooler to improve the sub-cooling rate of refrigerant. It requires 28% less refrigerant on average** as it uses a slimmer liquid pipe*. So, it provides added flexibility in designing the entire system, while saving costs on the installation and maintenance of refrigerant and piping materials.

Pipe Diameter (mm)		Refrigerant to Supplement (g)		Refrigerant Reduction Ratio	
Normal	Slimmer	Normal	Slimmer		Average
9.52	N/A	60	N/A	-	-
12.71	9.52	125	80	36%	28%
15.88	12.71	180	130	28%	
19.05	15.88	270	195	28%	
22.22	19.05	350	280	20%	



Normal Pipe Slimmer Pipe



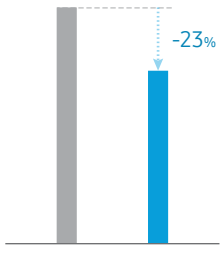
* Optional. A slimmer pipe can be used for the Main Liquid Pipe, between an outdoor unit and the first branch of indoor units. The diameter of the slimmer pipe will vary depending on the diameter of the pipe that is normally used, which is defined in the table above. Not available on the 22.4kW and 28kW models. It may not be available in certain installation conditions, and is not compatible with the AI functions of outdoor units. Please contact Samsung's technical professionals regarding its availability and for more detailed information.

** When a slimmer pipe, instead of a normal pipe, is used for the Main Liquid Pipe on the same capacity of air conditioning system, the amount of refrigerant to be charged can be reduced by 28% on average.

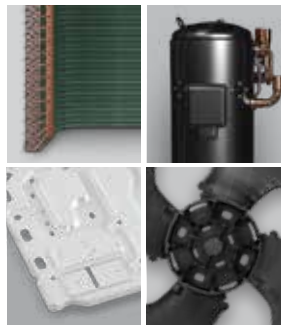
Less parts. Less effort and cost for servicing.

Quality-based Modular Design (QMD)

The Samsung DVM S2 consists of optimized modular components, which have fewer parts. In particular, based on its Quality-based Modular Design (QMD), the DVM S2 is built with high-quality modules that have been preselected and preconfigured. So, it delivers both superior performance and reliability, while also significantly reducing the number of parts that need servicing.



Quantity of Materials
No. of Service Components





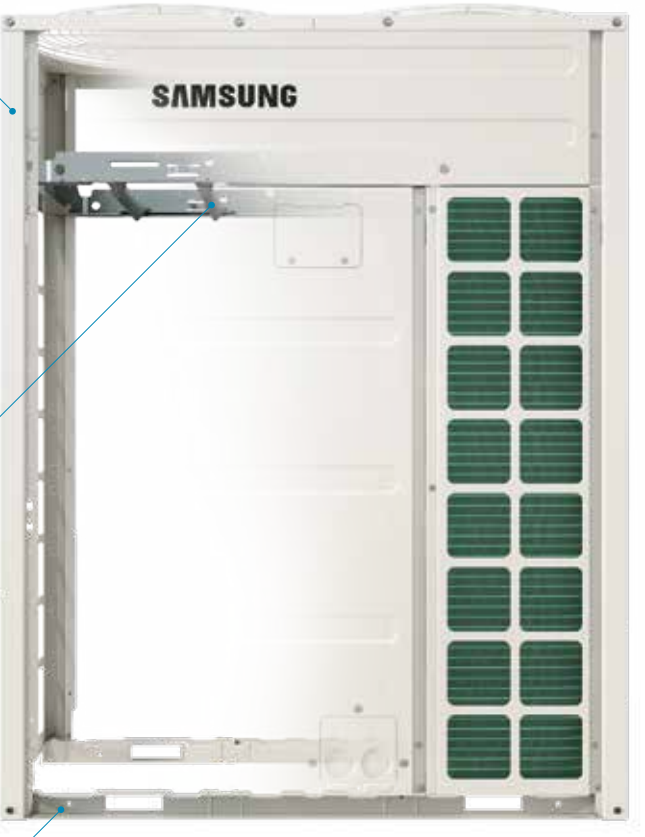
This modular design simplifies the entire process of maintenance and service, as less time and effort is required to check and fix any issues. And, from the viewpoint of warehousing, it also saves space as there is no need to store a lot of parts.

Reliability

Enhanced Reliability

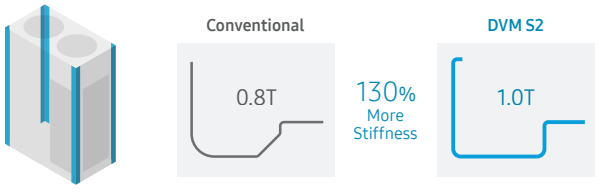
Less damage from physical shocks and swaying

The Samsung DVM S2 is equipped with new and innovative design features that significantly enhance its durability. So, it is proven to continue working effectively, without any problems in its main unit or piping, in an earthquake of up to magnitude 9.0*.



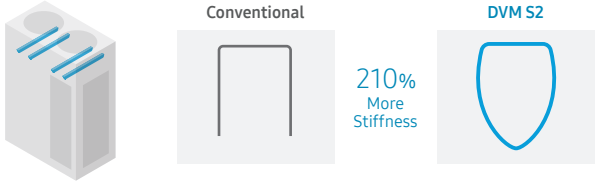
Robust Frame

The corners of the cabinet's sides are reinforced. The thickness has been increased by 25%** and its shape has also been refined, so its stiffness has increased by 130%**. As a result, the DVM S2 provides incredible durability across its entire body without bending.



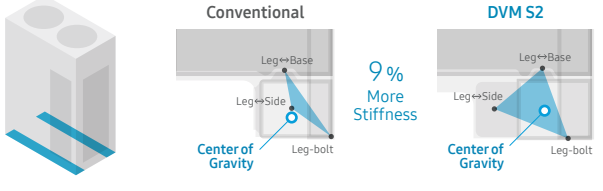
Kammtail Motor Bracket

Instead of a traditional open-type squared bracket, the DVM S2 has a pipe-shaped Kammtail bracket that firmly supports the motor with 210% more stiffness**.



Improved Structure of Legs

The DVM S2 has a patented support design*** to improve stability. The shape of the legs was redesigned to disperse weight effectively, and its stiffness has been increased by 9%**. So, they support the body more effectively and suppress any sway, even during an earthquake.



* Based on a test in accordance with ICC ES AC156 : 2010 (SDS=2.5g, z/h=1), conducted by SGS Korea Co., Ltd. Result report No.: SGS-R20-1599-KR00.

** Based on internal testing using Siemens NX Nastran 1867 simulation.

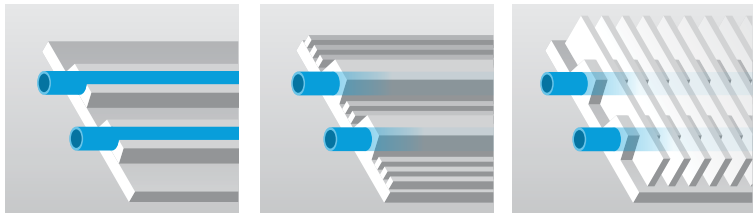
*** Patent No.: P2020-0099857



Ensures reliable inverter control

Dual Heat Sink

The inverter circuit of VRF systems generates a lot of heat, which affects the entire system performance. The Samsung DVM S2 has a Dual Heat Sink that uses both air and refrigerant. Its unique Insert Diecasting Heat Sink design minimizes the thermal loss between the pipe and heat sink by increasing their contact area by 33%. By radiating heat from the inverter circuit more effectively, it helps extend the maximum operating temperature from 48°C to 50°C, and delivers a reliable performance regardless of the external conditions.



1st Generation
Insert

2nd Generation
Insert Diecasting

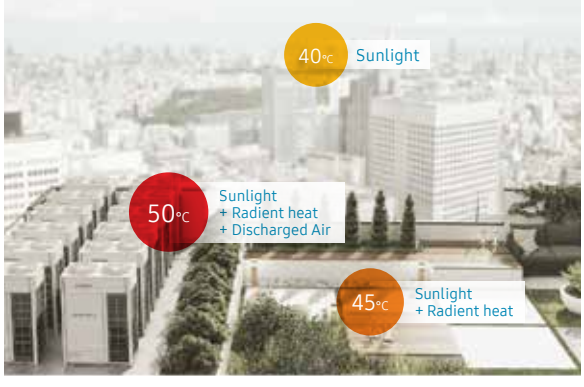
3rd Generation
Insert Diecasting Heat Sink*

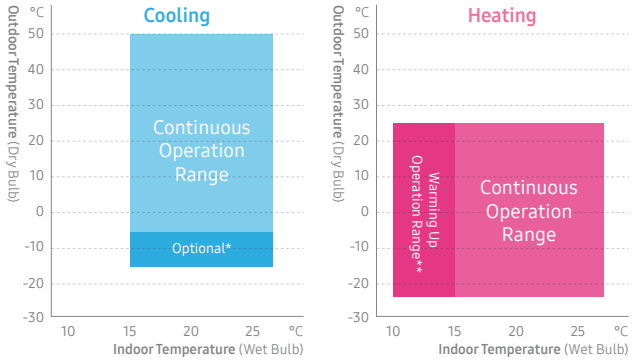
* The shape of the heat sink may vary by model.

Top-class performance in extreme conditions

Wider Operating Temperature Range

No matter how extreme the temperature, the high-performance DVM S2 can handle the conditions. Operating across a wide temperature spectrum, it can cool in heat of up to 50°C and provide warmth in freezing cold conditions of -25°C to ensure a constant and comfortable environment.





* When the 'Expand Operational Temperature Range' option is applied, the low limit of the cooling operation range can be expanded from -5°C to -15°C. Only available on HR models and under certain conditions.

** If the indoor temperature is lower than 15°C, it can work in heating mode but it cannot operate continuously due to a protection control.

When it's installed on the rooftop of a building, the actual temperature around the outdoor units may become much higher due to the effects of direct sunlight, the radiant heat of the rooftop and the discharged air of other outdoor units. So, it's very important that they are able to deliver a stable performance in hot environments.

Reliability

Anti-Corrosion Design

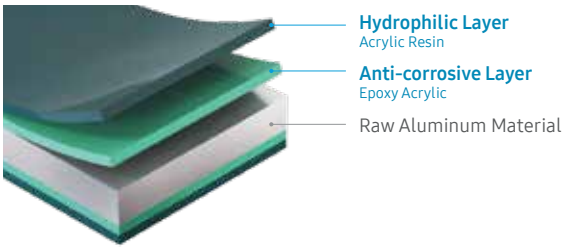
Lasting performance with enhanced resistance to corrosion

Corrosion-resistance is a very important factor in outdoor units, as they need to withstand a range of climate conditions. The Samsung DVM S2 features improved anti-corrosion capabilities on the heat exchanger and chassis to ensure maximum durability in harsh environments.



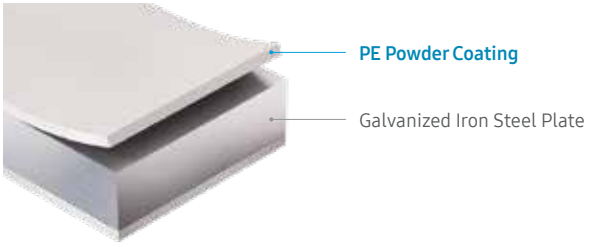
Durafin™ Ultra

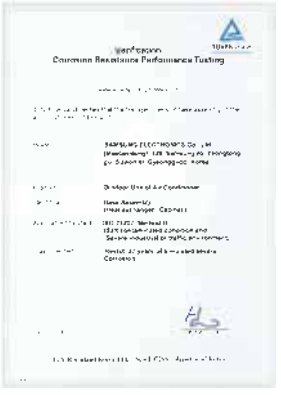
The Samsung DVM S2 outdoor unit's Durafin™ Ultra has an anti-corrosive layer of epoxy acrylic and a hydrophilic layer of acrylic resin that disperses water and reinforces its corrosion-resistance. Its superb quality was proven using the Salt Spray Test (SST) over a period of 2,280 hours* with no leakage of refrigerant**.



Galvanized Iron Steel Plate (GI)

The Samsung DVM S2 uses Galvanized Iron Steel Plate as its external material, with a PE powder coating of up to 100μm thickness. This powerful combination is proven to improve corrosion-resistance by 43%, based on the Complex Cycle Test (CCT)**. So, it protects the cabinet from rusting and ensures it can endure harsh conditions.





ISO 21207, Test method B
(Test condition Salt contaminated condition + severe industrial/traffic environment (NO2/SO2)

* Based on testing by TUV Rheinland in accordance with ISO 9227, ISO 14993 and ISO 21207 using specimens from the heat exchanger and cabinet of the Samsung DVM S2. For more details, please contact Samsung's technical professionals.

** Based on testing by a third party lab, applying the actual pressure of refrigerant for 1 minuite, after a Salt Spray Test (SST) of over 2,280 hours.

** Based on internal testing using corrosion chambers, Q-FOG and CCT-1100. The Complex Cycle Test (CCT) includes cycles of spray (for 2 hours at 35°C), dry (for 4 hours at 60°C with 30% Relative Humidity) and damp (for 2 hours at 50°C with 95% Relative Humidity) conditions. As a result, the Galvanized Iron Steel Plate (GI) formed red rust after 240 hours, which is 43% slower than general Electro-Galvanized Steel Plate (EGI) which forms red rust after 168 hours.

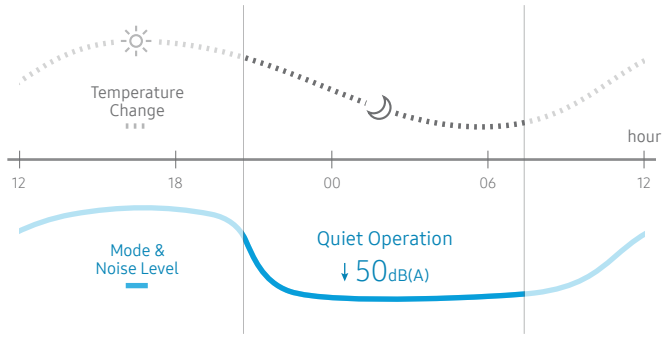
Comfort

Works quietly and efficiently at night

Quiet Operation

A noise control system lowers the level of noise to below 50dB(A)*, which is as quiet as a normal conversation. It has a timer and can be set to operate for up to 12 hours.

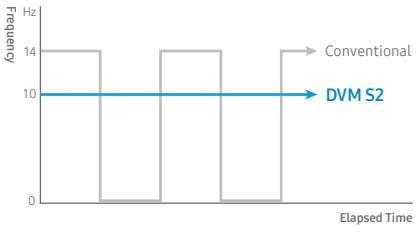
* Based on internal testing. Results may vary depending on environmental factors and individual use.



Ideal for continuous cooling even in cold weather

Active Frequency Drive 10Hz

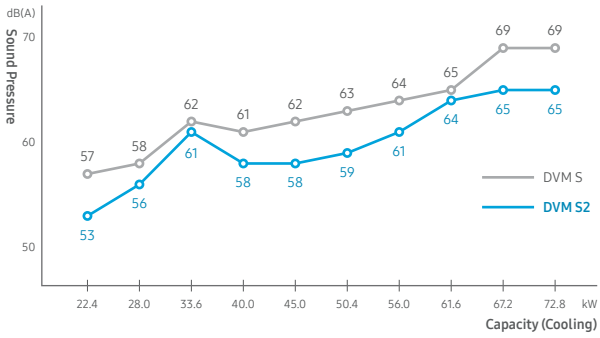
The need for air conditioning tends to rise not only in summer but also in spring and autumn. In particular, in rooms that require a constant temperature, like a server room, air conditioners are installed to ensure a stable cooling operation.
In cool weather, air conditioners can quickly reach the desired temperature, but then repeatedly turn themselves off and on to maintain the temperature. Not only does this consume much more electricity than continuous cooling, it also reduces the lifespan of the products and causes discomfort for any occupants due to the fluctuation in temperature.



The Active Frequency Drive of the Samsung DVM S2 enables the compressor to operate at the lowest revolution of 10Hz, which prevents the operation from frequently turning on and off, so it maintains the indoor temperature more precisely to ensure continuous comfort.

Optimizes the air flow - less friction, less noise

Along with a Multi-serration Fan, the Samsun DVM S2 has various new technologies that optimize the air flow inside the unit. So, the air moves smoot and quickly with less of a vortex or turbulence that creates noise*.

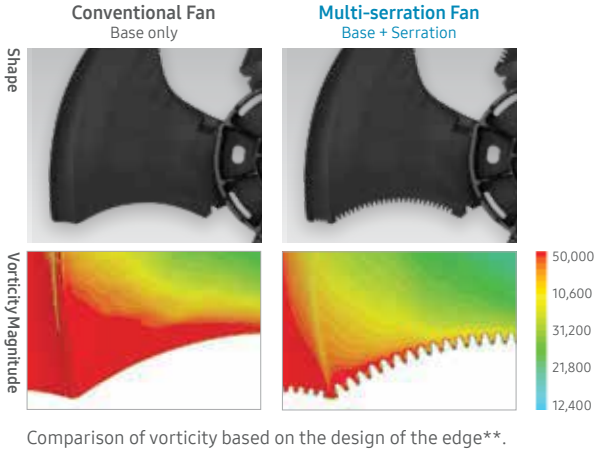


* Based on internal testing and simulation using a fluid dynamics software, Ansys CFX. Results may vary depending on the actual usage conditions.

Reduces fan noise by minimizing the air vortex

Multi-serration Fan*

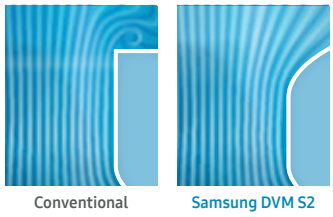
Eagle owls fly silently at night. Inspired by their wings, a new Multi-serration Fan* has two types of serration on its wing tip. It has a large serration on the inner part and a small serration on the outer part, which are designed to suit the different wind speeds around them. This combination minimizes the air vortex around the wing tip and significantly reduces the noise generated by the movement of the fan.



Comparison of vorticity based on the design of the edge**.

Diffuser Type Discharge Plenum

The edgeless, curved design of the discharge plenum enables the fan to pull air steadily from inside and gently diffuse it outside without creating a vortex*.



* Only available on models of 33.6kW or less. The shape of the fan may vary by model and region.
** Based on internal testing and simulation using a CAE software, Simcenter STAR-CCM+ (v.13.06).

Design Flexibility

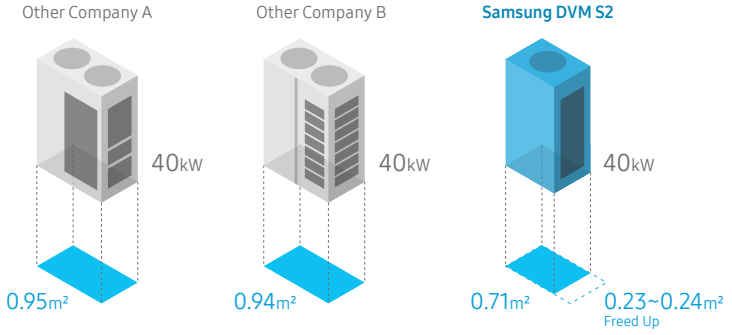
Fit in & Perform consistently in a variety of installation conditions

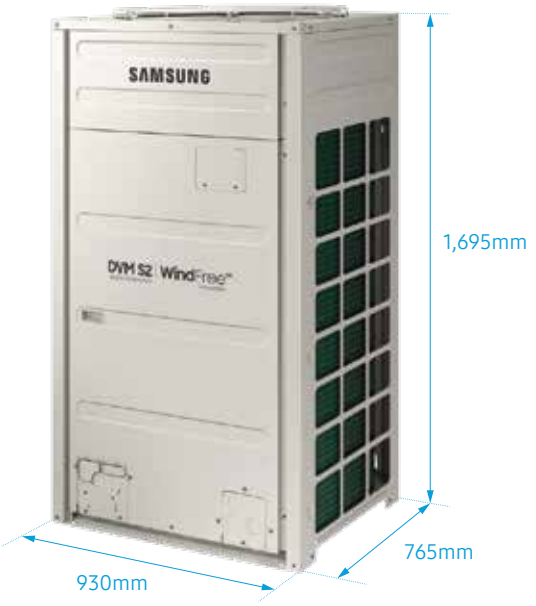
Flexibility

Smaller footprint, saving valuable space and costs

Compact Design

The Samsung DVM S2 has a small footprint, so it creates up to 33% more space*, which can be used for other purposes, without compromising on performance. As it is possible to install outdoor units inside buildings, especially high-rise buildings, its compact size means that you can maximize the area that is available to sell or lease, which directly increases revenue.



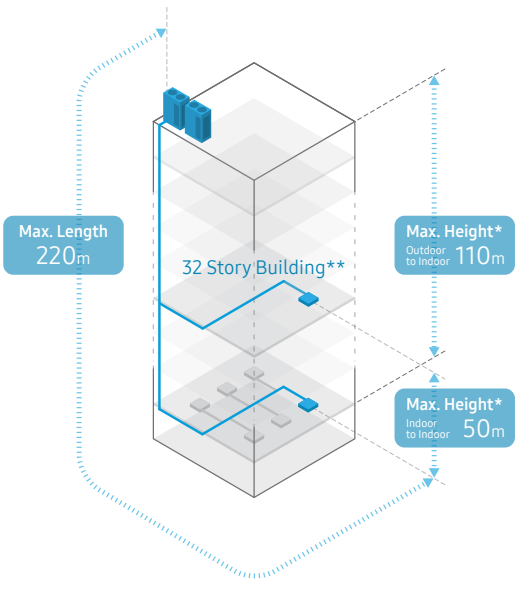


* Based on the AM140AXVAGH/EU, compared to the same capacity models of other companies.

Install in the optimum location, regardless of distance and height

High Elevation with Long Piping

Enjoy more choice when selecting the optimum installation location. The DVM S2's long piping length provides the flexibility for the outdoor unit to be installed almost anywhere, regardless of its height or distance from the building. It has a maximum length that is equivalent to 220 meters (721 feet) between the outdoor and indoor units. It can also work efficiently and reliably at an elevation of up to 110 meters (360 feet)*, which is the equivalent of 32 stories**.



Optimized Refrigerant Distribution Control

The DVM S2 compensates for the long piping distance between the outdoor and indoor units by providing balanced refrigerant distribution. The individual indoor units all perform capacity connection control and automatic refrigerant balancing to ensure a consistent performance in each unit.

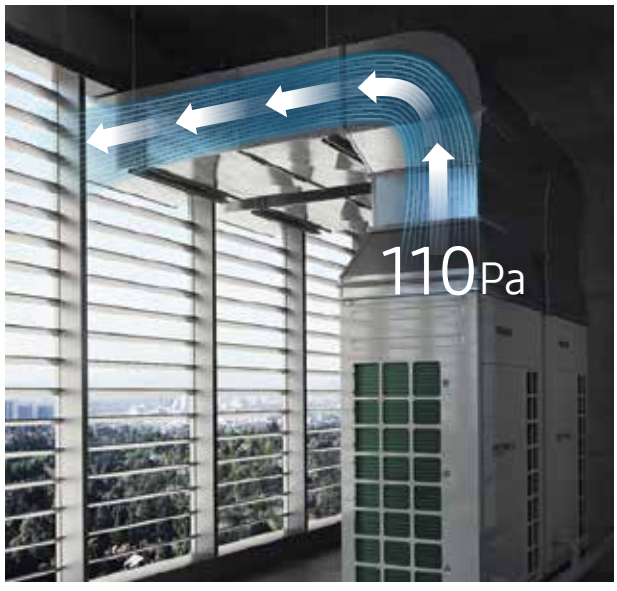
* When the piping height is over 50m, a PDM (Pressure Drop Modulation) Kit may be required depending on the conditions at the installation location.
** Based on the assumption that the height of a story is 3.5m. May vary depending on the location of indoor units.

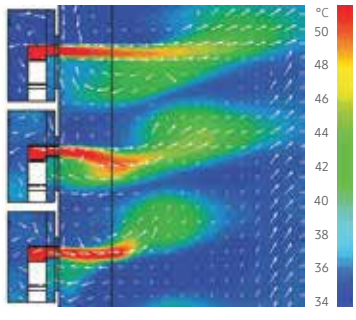
More flexibility to install between floors in a high-rise building



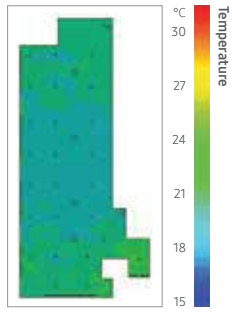
Up to 110Pa External Static Pressure

High-rise buildings are usually designed to have outdoor units installed inside them using ductwork, because the height difference to the rooftop is too big. The DVM S2 has up to 110Pa External Static Pressure*, which ensures that it can discharge air effectively through a much longer duct. So, it gives you an even greater choice when selecting an installation location inside the building.





Discharge Air of Outdoor Units



Indoor Temperature

* May vary by model and depending on the actual condition of the ductwork and installation location. For more detailed information, please contact Samsung's technical professionals.

Convenience | Easy Maintenance

Services with less effort & cost worried-free

Convenience

Simply and quickly check errors without extra tools

On-Device Inverter Check™

The DVM S2 has an Inverter PBA (Printed Board Assembly) with a one-touch button to simply check errors on the device. Without having to remove the entire front cover, it's easy to access this button through a small opening in the Display Window. So, it reduces the service time and effort as it eliminates the need for extra tools and simplifies the service process.





Examples of messages

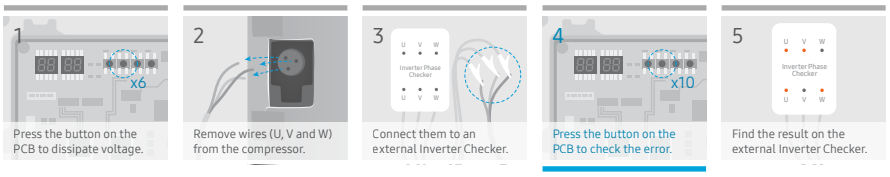


OK
No error on PBA.

NG
Errors on PBA.

CHECK
Need to check manually.

Conventional Process using an External Inverter Checker - 5 Steps



New Process using On-Device Inverter Check™ - 1 Step

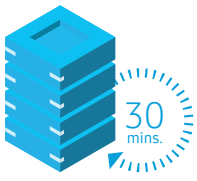
Remotely monitor and solve issues

S-converter

With the S-converter, you can access the system using a PC or laptop* whenever and wherever you like. Its self-diagnosis function automatically monitors its performance and displays an error code if it detects anything abnormal. So, you can then check and address the issue promptly.

* Windows operating system. A smartphone or tablet PC can also be used in certain regions.





Simply restore data for repair and recovery

Automatic Data Backup

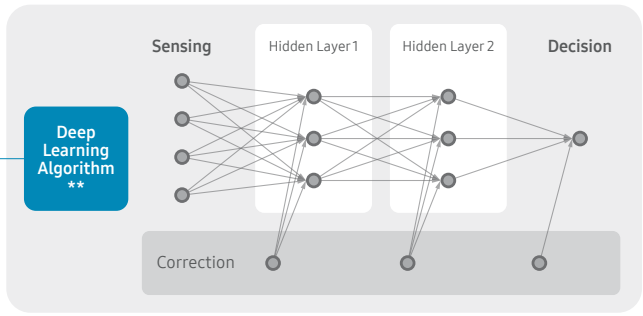
If a malfunction occurs, the DVM S2 automatically backs up the last 30 minutes of operational data to make the repair and recovery process easier.

Maintains the optimal amount of refrigerant to ensure the best performance

Active AI Refrigerant Analysis

Shortage of refrigerant hinders the outdoor unit's cooling and heating performance as well as its energy efficiency. And, if refrigerant leaks out, due to any error in installation, operation or maintenance, it also impacts global warming and may even cause the system to stop working. Using Deep Learning technology*, the Active AI Refrigerant Analysis of the DVM S2 collects and analyzes various operational data in real time, and proactively alerts you with an error message if the amount of refrigerant is too low. So, an installer or a service engineer can maintain the optimal level of refrigerant.





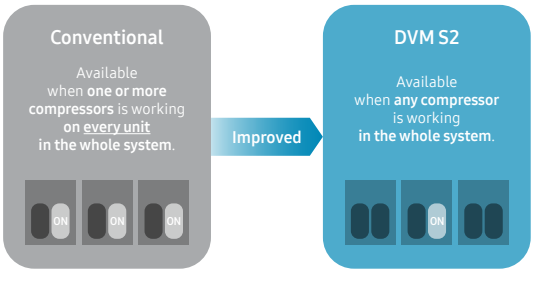
* A Machine Learning technology that uses an Artificial Neural Network (ANN) to learn like a human using various data.

** Based on a research thesis, "A novel hybrid deep neural network model to predict the refrigerant charge amount of heat pumps".

Keeps you comfortable, even if there's a malfunction

Emergency Operation

When the air conditioning system consists of multiple Samsung DVM S2 outdoor units, its refrigerant regulating control technology ensures that you can continue working using only one compressor in an emergency. So, if every unit except one is not working or getting serviced and any compressor on the remaining one is working properly, it will keep cooling or heating for up to 8 hours. It ensures that you can maintain a comfortable indoor environment until the whole system is functioning properly again.



Example Cases of Malfunction	Emergency Operation	
	Conventional	DVM S2
When there are 2 or more units in a system, and one of the two compressors on a unit is not working.	Yes	Yes
When there are 2 or more units in a system, and one of the two compressors on each unit is not working.	Yes	Yes
When there are 2 or more units in a system, and all of the compressors on a unit are not working.	Not Available	Yes
When there are 2 or more units in a system, and a compressor on a low capacity unit is not working.	Not Available	Yes
When there are 2 or more units in a system, and a compressor on a low capacity unit and one of the two compressors on another unit are not working.	Not Available	Yes
When there is 1 unit in a system, and one of the two compressors on it is not working.	Not Available	Yes

Convenience | Easy Maintenance

Services with less effort & cost worried-free

Convenience

Conveniently and safely handle with less effort

The Samsung DVM S2 has various convenient features that help installers and service providers to lift and move, and disassemble and assemble it with added safety and less effort.



Center Point Indicator of Weight

VRF outdoor units usually weigh a lot and can sometimes be over 300kg. It is obviously very difficult and dangerous to handle such heavy machines, so the Samsung DVM S2 has a removable indicator to show its center of weight. It makes it much safer to lift and move with a crane or a forklift as it helps to prevent the unit from becoming unbalanced and tilting or toppling over.



A sticker type indicator shows the center of weight. After moving, it can be simply removed.

Simplified Cover with Handle

The front cover of conventional outdoor units consists of multiple pieces, which means it can require a lot of work to open them fully. The Samsung DVM S2's front cover is a single piece, so it's simple to open and access every part inside the outdoor unit, which reduces the time and effort for servicing.



Conventional
4 Pieces with No Handle

DVM S2
1 Piece with a Handle



In addition, the cover has a handle that provides added safety and convenience when handling.

Outdoor Line-up | Cooling Only

Standard

Capa (HP)	Model Name	Model
8 10 12 14	AM080AXVANC/EA AM100AXVANC/EA AM120AXVANC/EA AM140AXVANC/EA	
16 18 20 22 24 26 28 30	AM160AXVANC/EA AM180AXVANC/EA AM200AXVANC/EA AM220AXVANC/EA AM240AXVANC/EA AM260AXVANC/EA AM280AXVANC/EA AM300AXVANC/EA	
32 34	AM320AXVANC/EA AM340AXVANC/EA	
36 38 40 42	AM360AXVANC/EA AM380AXVANC/EA AM400AXVANC/EA AM420AXVANC/EA	
44 46 48 50 52 54 56	AM440AXVANC/EA AM460AXVANC/EA AM480AXVANC/EA AM500AXVANC/EA AM520AXVANC/EA AM540AXVANC/EA AM560AXVANC/EA	
58 60 62 64	AM580AXVANC/EA AM600AXVANC/EA AM620AXVANC/EA AM640AXVANC/EA	
66 68	AM660AXVANC/EA AM680AXVANC/EA	
70	AM700AXVANC/EA	
72 74 76 78 80 82 84	AM720AXVANC/EA AM740AXVANC/EA AM760AXVANC/EA AM780AXVANC/EA AM800AXVANC/EA AM820AXVANC/EA AM840AXVANC/EA	
86 88 90 92 94 96 98	AM860AXVANC/EA AM880AXVANC/EA AM900AXVANC/EA AM920AXVANC/EA AM940AXVANC/EA AM960AXVANC/EA AM980AXVANC/EA	

Energy efficiency

Capa (HP)	Model Name	Model
8 10 12 14	AM080AXVANC/EA AM100AXVANC/EA AM120AXVANC/EA AM140AXVANC/EA	
16 18 20 22 24	AM160AXVANC/EA AM180AXVANC/EA AM200AXVANC/EA AM220AXVANC/EA AM240AXVANC/EA	
26 28 30 32 34	AM260AXVANC1EA AM280AXVANC1EA AM300AXVANC1EA AM320AXVANC1EA AM340AXVANC1EA	
36 38 40 42 44 46	AM360AXVANC1EA AM380AXVANC1EA AM400AXVANC1EA AM420AXVANC1EA AM440AXVANC1EA AM460AXVANC1EA	
48 50 52 54	AM480AXVANC1EA AM500AXVANC1EA AM520AXVANC1EA AM540AXVANC1EA	
56 58 60 62 64 66	AM560AXVANC1EA AM580AXVANC1EA AM600AXVANC1EA AM620AXVANC1EA AM640AXVANC1EA AM660AXVANC1EA	
68 70 72 74	AM680AXVANC1EA AM700AXVANC1EA AM720AXVANC1EA AM740AXVANC1EA	
76 78 80 82 84 86 88 90 94 96 98	AM760AXVANC1EA AM780AXVANC1EA AM800AXVANC1EA AM820AXVANC1EA AM840AXVANC1EA AM860AXVANC1EA AM880AXVANC1EA AM900AXVANC1EA AM940AXVANC1EA AM960AXVANC1EA AM980AXVANC1EA	
92	AM920AXVANC1EA	

Outdoor Unit Combination | Cooling Only

Standard

Standard Model			Capacity (HP)													
Capa (HP)	Model Name	Number of individual outdoor units														
			8	10	12	14	16	18	20	22	24	26	28	30	32	34
8	AM080AXVANC/EA	1	1													
10	AM100AXVANC/EA	1		1												
12	AM120AXVANC/EA	1			1											
14	AM140AXVANC/EA	1				1										
16	AM160AXVANC/EA	1					1									
18	AM180AXVANC/EA	1						1								
20	AM200AXVANC/EA	1							1							
22	AM220AXVANC/EA	1								1						
24	AM240AXVANC/EA	1									1					
26	AM260AXVANC/EA	1										1				
28	AM280AXVANC/EA	1											1			
30	AM300AXVANC/EA	1												1		
32	AM320AXVANC/EA	1													1	
34	AM340AXVANC/EA	1														1
36	AM360AXVANC/EA	2	1										1			
38	AM380AXVANC/EA	2		1									1			
40	AM400AXVANC/EA	2			1								1			
42	AM420AXVANC/EA	2				1							1			
44	AM440AXVANC/EA	2					1						1			
46	AM460AXVANC/EA	2						1					1			
48	AM480AXVANC/EA	2							1				1			
50	AM500AXVANC/EA	2								1			1			
52	AM520AXVANC/EA	2									1		1			
54	AM540AXVANC/EA	2										1	1			
56	AM560AXVANC/EA	2											2			
58	AM580AXVANC/EA	2									1					1
60	AM600AXVANC/EA	2										1				1
62	AM620AXVANC/EA	2											1			1
64	AM640AXVANC/EA	2												1		1
66	AM660AXVANC/EA	2													1	1
68	AM680AXVANC/EA	2														2
70	AM700AXVANC/EA	3				1							2			
72	AM720AXVANC/EA	3					1						2			
74	AM740AXVANC/EA	3						1					2			
76	AM760AXVANC/EA	3							1				2			
78	AM780AXVANC/EA	3								1			2			
80	AM800AXVANC/EA	3									1		2			
82	AM820AXVANC/EA	3										1	2			
84	AM840AXVANC/EA	3											3			
86	AM860AXVANC/EA	3						1								2
88	AM880AXVANC/EA	3							1							2
90	AM900AXVANC/EA	3								1						2
92	AM920AXVANC/EA	3									1					2
94	AM940AXVANC/EA	3										1				2
96	AM960AXVANC/EA	3											1			2
98	AM980AXVANC/EA	3												1		2

- Make sure to use an indoor unit that is compatible with DVM S2.
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Energy efficiency

Standard Model			Capacity (HP)													
Capa (HP)	Model Name	Number of individual outdoor units														
			8	10	12	14	16	18	20	22	24	26	28	30	32	34
8	AM080AXVANC/EA	1	1													
10	AM100AXVANC/EA	1		1												
12	AM120AXVANC/EA	1			1											
14	AM140AXVANC/EA	1				1										
16	AM160AXVANC/EA	1					1									
18	AM180AXVANC/EA	1						1								
20	AM200AXVANC/EA	1							1							
22	AM220AXVANC/EA	1								1						
24	AM240AXVANC/EA	1									1					
26	AM260AXVANC1EA	2		1			1									
28	AM280AXVANC1EA	2	1						1							
30	AM300AXVANC1EA	2		1					1							
32	AM320AXVANC1EA	2			1				1							
34	AM340AXVANC1EA	2				1			1							
36	AM360AXVANC1EA	2					1		1							
38	AM380AXVANC1EA	2						1	1							
40	AM400AXVANC1EA	2							2							
42	AM420AXVANC1EA	2							1	1						
44	AM440AXVANC1EA	2							1		1					
46	AM460AXVANC1EA	2							1			1				
48	AM480AXVANC1EA	3	1						2							
50	AM500AXVANC1EA	3		1					2							
52	AM520AXVANC1EA	3			1				2							
54	AM540AXVANC1EA	3				1			2							
56	AM560AXVANC1EA	3					1		2							
58	AM580AXVANC1EA	3						1	2							
60	AM600AXVANC1EA	3							3							
62	AM620AXVANC1EA	3							2	1						
64	AM640AXVANC1EA	3							2		1					
66	AM660AXVANC1EA	3							2			1				
68	AM680AXVANC1EA	4	1						3							
70	AM700AXVANC1EA	4		1					3							
72	AM720AXVANC1EA	4			1				3							
74	AM740AXVANC1EA	4				1			3							
76	AM760AXVANC1EA	4					1		3							
78	AM780AXVANC1EA	4						1	3							
80	AM800AXVANC1EA	4							4							
82	AM820AXVANC1EA	4							3	1						
84	AM840AXVANC1EA	4							3		1					
86	AM860AXVANC1EA	4							3			1				
88	AM880AXVANC1EA	4							3				1			
90	AM900AXVANC1EA	4							3					1		
92	AM920AXVANC1EA	4							3						1	
94	AM940AXVANC1EA	4							1		2	1				
96	AM960AXVANC1EA	4							1		1	2				
98	AM980AXVANC1EA	4							1			3				

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  - Maximum 32 Wall-mount type indoor units with EEV(AM~~XXXX~~NQDEH~~XXX~~, AM~~XXX~~JNVDKH~~XXX~~) can be connected.



Outdoor Line-up I Heat Pump

Standard

Capa (HP)	Model Name	Model
8 10 12 14	AM080AXVANH/EA AM100AXVANH/EA AM120AXVANH/EA AM140AXVANH/EA	
16 18 20 22 24 26 28	AM160AXVANH/EA AM180AXVANH/EA AM200AXVANH/EA AM220AXVANH/EA AM240AXVANH/EA AM260AXVANH/EA AM280AXVANH/EA	
30 32 34	AM300AXVANH/EA AM320AXVANH/EA AM340AXVANH/EA	
36 38 40 42	AM360AXVANH/EA AM380AXVANH/EA AM400AXVANH/EA AM420AXVANH/EA	
44 46 48 50 52 54 56	AM440AXVANH/EA AM460AXVANH/EA AM480AXVANH/EA AM500AXVANH/EA AM520AXVANH/EA AM540AXVANH/EA AM560AXVANH/EA	
58 60 62	AM580AXVANH/EA AM600AXVANH/EA AM620AXVANH/EA	
64 66 68	AM640AXVANH/EA AM660AXVANH/EA AM680AXVANH/EA	
70 72 74 76 78 80 82	AM700AXVANH/EA AM720AXVANH/EA AM740AXVANH/EA AM760AXVANH/EA AM780AXVANH/EA AM800AXVANH/EA AM820AXVANH/EA	
84 86 88 90	AM840AXVANH/EA AM860AXVANH/EA AM880AXVANH/EA AM900AXVANH/EA	
92 94	AM920AXVANH/EA AM940AXVANH/EA	
96 98	AM960AXVANH/EA AM980AXVANH/EA	

Energy efficiency

Capa (HP)	Model Name	Model
8 10 12 14	AM080AXVANH/EA AM100AXVANH/EA AM120AXVANH/EA AM140AXVANH/EA	
16 18 20 22 24 26 28	AM160AXVANH/EA AM180AXVANH/EA AM200AXVANH/EA AM220AXVANH/EA AM240AXVANH/EA AM260AXVANH/EA AM280AXVANH/EA	
30 32 34	AM300AXVANH1EA AM320AXVANH1EA AM340AXVANH1EA	
36 38 40 42 44 46 48	AM360AXVANH1EA AM380AXVANH1EA AM400AXVANH1EA AM420AXVANH1EA AM440AXVANH1EA AM460AXVANH1EA AM480AXVANH1EA	
50	AM500AXVANH1EA	
52 54	AM520AXVANH1EA AM540AXVANH1EA	
56 58 60 62 64 66	AM560AXVANH1EA AM580AXVANH1EA AM600AXVANH1EA AM620AXVANH1EA AM640AXVANH1EA AM660AXVANH1EA	
68 70 72 74	AM680AXVANH1EA AM700AXVANH1EA AM720AXVANH1EA AM740AXVANH1EA	
76 78 80 82 84 86 88	AM760AXVANH1EA AM780AXVANH1EA AM800AXVANH1EA AM820AXVANH1EA AM840AXVANH1EA AM860AXVANH1EA AM880AXVANH1EA	
90 92 94 96 98	AM900AXVANH1EA AM920AXVANH1EA AM940AXVANH1EA AM960AXVANH1EA AM980AXVANH1EA	

Outdoor Unit Combination | Heat Pump

Standard

Standard Model			Capacity (HP)													
Capa (HP)	Model Name	Number of individual outdoor units														
			8	10	12	14	16	18	20	22	24	26	28	30	32	34
8	AM080AXVANH/EA	1	1													
10	AM100AXVANH/EA	1		1												
12	AM120AXVANH/EA	1			1											
14	AM140AXVANH/EA	1				1										
16	AM160AXVANH/EA	1					1									
18	AM180AXVANH/EA	1						1								
20	AM200AXVANH/EA	1							1							
22	AM220AXVANH/EA	1								1						
24	AM240AXVANH/EA	1									1					
26	AM260AXVANH/EA	1										1				
28	AM280AXVANH/EA	1											1			
30	AM300AXVANH/EA	1												1		
32	AM320AXVANH/EA	1													1	
34	AM340AXVANH/EA	1														1
36	AM360AXVANH/EA	2			1						1					
38	AM380AXVANH/EA	2				1					1					
40	AM400AXVANH/EA	2				1						1				
42	AM420AXVANH/EA	2				1							1			
44	AM440AXVANH/EA	2							1		1					
46	AM460AXVANH/EA	2								1	1					
48	AM480AXVANH/EA	2									2					
50	AM500AXVANH/EA	2									1	1				
52	AM520AXVANH/EA	2										2				
54	AM540AXVANH/EA	2										1	1			
56	AM560AXVANH/EA	2											2			
58	AM580AXVANH/EA	2										1			1	
60	AM600AXVANH/EA	2										1				1
62	AM620AXVANH/EA	2											1			1
64	AM640AXVANH/EA	2												1		1
66	AM660AXVANH/EA	2													1	1
68	AM680AXVANH/EA	2														2
70	AM700AXVANH/EA	3								1	2					
72	AM720AXVANH/EA	3								1	1	1				
74	AM740AXVANH/EA	3									2	1				
76	AM760AXVANH/EA	3									1	2				
78	AM780AXVANH/EA	3										3				
80	AM800AXVANH/EA	3										2	1			
82	AM820AXVANH/EA	3										1	2			
84	AM840AXVANH/EA	3									1	1				1
86	AM860AXVANH/EA	3										2				1
88	AM880AXVANH/EA	3										1	1			1
90	AM900AXVANH/EA	3											2			1
92	AM920AXVANH/EA	3										1			1	1
94	AM940AXVANH/EA	3										1				2
96	AM960AXVANH/EA	3												1	1	1
98	AM980AXVANH/EA	3												1		2

- Make sure to use an indoor unit that is compatible with DVM S2.
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Energy efficiency

Standard Model			Capacity (HP)												
Capa (HP)	Model Name	Number of individual outdoor units													
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10	AM100AXVANH/EA	1		1											
12	AM120AXVANH/EA	1			1										
14	AM140AXVANH/EA	1				1									
16	AM160AXVANH/EA	1					1								
18	AM180AXVANH/EA	1						1							
20	AM200AXVANH/EA	1							1						
22	AM220AXVANH/EA	1								1					
24	AM240AXVANH/EA	1									1				
26	AM260AXVANH/EA	1										1			
28	AM280AXVANH/EA	1											1		
30	AM300AXVANH1EA	2		1					1						
32	AM320AXVANH1EA	2			1				1						
34	AM340AXVANH1EA	2				1			1						
36	AM360AXVANH1EA	2					1		1						
38	AM380AXVANH1EA	2						1	1						
40	AM400AXVANH1EA	2							2						
42	AM420AXVANH1EA	2							1	1					
44	AM440AXVANH1EA	2							1		1				
46	AM460AXVANH1EA	2							1			1			
48	AM480AXVANH1EA	2									2				
50	AM500AXVANH1EA	2							1					1	
52	AM520AXVANH1EA	3			1				2						
54	AM540AXVANH1EA	3				1			2						
56	AM560AXVANH1EA	3					1		2						
58	AM580AXVANH1EA	3						1	2						
60	AM600AXVANH1EA	3							3						
62	AM620AXVANH1EA	3							2	1					
64	AM640AXVANH1EA	3							2		1				
66	AM660AXVANH1EA	3							2			1			
68	AM680AXVANH1EA	4	1						3						
70	AM700AXVANH1EA	4		1					3						
72	AM720AXVANH1EA	4			1				3						
74	AM740AXVANH1EA	4				1			3						
76	AM760AXVANH1EA	4					1		3						
78	AM780AXVANH1EA	4						1	3						
80	AM800AXVANH1EA	4							4						
82	AM820AXVANH1EA	4							3	1					
84	AM840AXVANH1EA	4							3		1				
86	AM860AXVANH1EA	4							3			1			
88	AM880AXVANH1EA	4							3				1		
90	AM900AXVANH1EA	4							3					1	
92	AM920AXVANH1EA	4							3						1
94	AM940AXVANH1EA	4							2		1			1	
96	AM960AXVANH1EA	4							2			1		1	
98	AM980AXVANH1EA	4							1		2			1	

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  - Maximum 32 Wall-mount type indoor units with EEV(AM~~XXXX~~NQDEH~~XXX~~, AM~~XXX~~JNVDKH~~XXX~~) can be connected.

Small in size to fit into more spaces. Big in power to maximize comfort.



Industry Leading Capacity

Large Capacity
with Smaller Footprint

Energy Efficiency

Digital Inverter Scroll
Compressor
with a 6 Pole 9 Slot BLDC Motor

Optimized Heat Exchanger

All-round Comfort

Simultaneous
Cooling and Heating

Low Noise Level

Convenient Control

Wi-Fi Connectivity

Flexible Installation

Compact Size

High Elevation with Long Piping

4-way Piping

Industry Leading Capacity - More power, more choice

The Samsung DVM S Eco is 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 business that need plenty of coverage, but only have limited space.



01

Lower installation costs, great capacity

Large Capacity with Smaller Footprint



The DVM S Eco is available in a wide range of capacities to ensure its optimum use and efficiency – whatever your needs and wherever it's used. There's a choice of 4HP, 5HP, 6HP, 8HP, 10HP, 12HP and 14HP models, so it's easy to select exactly the right level of performance to suit your particular heating and cooling requirements. As all models, even the world's largest 14HP model, have a small footprint, you can create the perfect VRF system in very limited spaces.



Energy Efficiency - Drive down costs and energy use

The Samsung DVM S Eco delivers world-class energy efficiency with advanced compressor technology. It offers industry-leading COP, which means exceptional heating and cooling performance at a nominal cost.



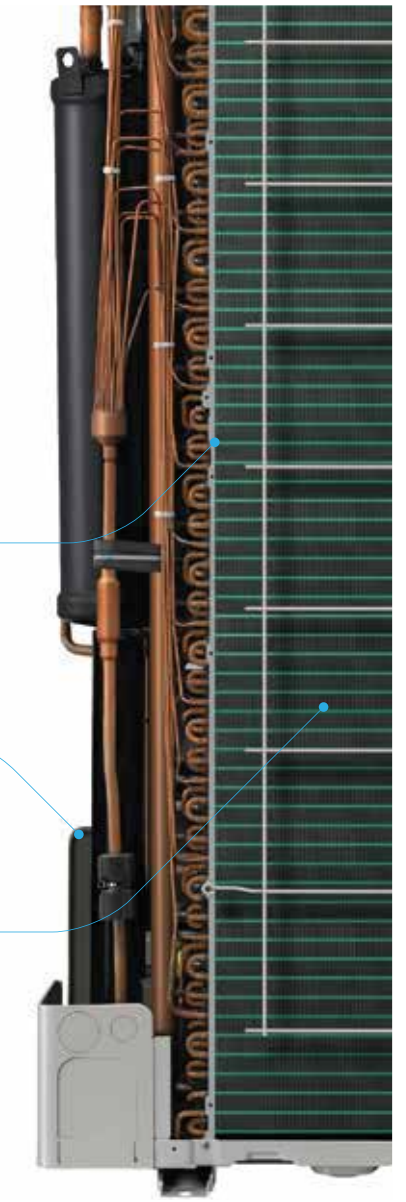
02

Optimized performance and energy use

Digital Inverter Scroll Compressor with a 6 Pole 9 Slot BLDC Motor

Save money every day with a highly efficient heating and cooling performance. The DVM S Eco features a Digital Inverter Scroll Compressor with a 6 Pole 9 Slot BLDC Motor, which has 9 magnets packed around 6 poles. Unlike conventional compressors, it maintains the desired temperature without frequently turning off and on, so there's less fluctuation and lower power consumption. And its twin eccentric cams and two balance weights create extremely low levels of vibration, contributing to a smoother and quieter all-round performance.







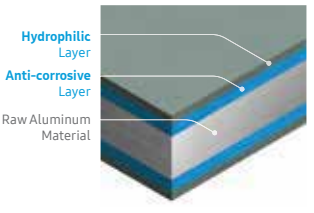
Optimized Heat Exchanger

The DVM S ECO has an optimized Heat Exchanger, which combines Corrugated Fins with a newly designed fan to enhance its heat exchange efficiency.



PHE (Plate Heat Exchaner) Sub-cooler

The DVM S Eco features a PHE sub-cooler that expands the heat exchange area to enhance its cooling efficiency and deliver even greater energy savings.



Dual Coated Aluminum Fins

The Dual Coated Aluminum Fins have an anti-corrosive layer of epoxy acrylic and a hydrophilic layer of acrylic resin and surfactant that disperses water, so it doesn't inhibit the heat exchange rate.

※ Specific features may vary by model and capacity.

Flexible Installation - Fits in many more places

Make the best use of valuable space using the Samsung DVM S Eco outdoor unit. With a compact design and flexible connectivity, it's much easier to install in a much wider choice of locations.

03 Feel more comfortable in any size space

Compact Size (Small Footprint and Volume)

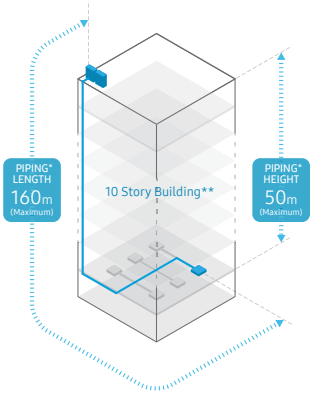
With a height of just 1210mm and a small footprint of only 0.318m², the DVM S Eco's overall volume is 5% less than competing models with the same capacity*, as well as top-discharge models. It makes it a convenient space-saving option in offices and can be installed easily, even in areas where space is limited.

* Based on internal testing. Height comparison in 6HP models: Samsung DVM S Eco = 1,210mm vs. A competitor's model = 1,380mm.



04 Works at up to 50m*

High Elevation with Long Piping



Enjoy more choice when selecting the optimum installation location. It has a maximum piping length of up to 160 meters (525 feet)* between the outdoor and indoor units. It also works efficiently and reliably at an elevation of up to 50 meters (164 feet)*, which is the equivalent of 10 stories**.

* Maximum piping length and height may vary by models.
** Based on the assumption that the height of a story is 5m. May vary depending on the location of indoor units.

05 Connects more ways

4-way Piping

The DVM S Eco's 4-way piping system* has connections at the front, side, bottom and rear, so it gives you much more flexibility. It can be configured to suit almost any room without additional fittings, while still being discretely concealed.



* Only available on certain models.

※ Specific features may vary by model and capacity.

Indoor Line - Up

Indoor Unit

Cassette

Type	kW	 360 Cassette	 WindFree™ 4Way Cassette	 WindFree™ 4Way Cassette (600x600)	 WindFree™ 1Way Cassette	 2Way Cassette
Capacity	1.5			•		
	1.7				•	
	2.2			•	•	
	2.8			•	•	
	3.6			•	•	
	4.5	•	•	•		
	5.6	•	•	•	•	•
	6.0			•		
	7.1	•	•		•	•
	9.0	•	•			
	11.2	•	•			
	12.8	•	•			
	14.0	•	•			
	17.0		•			

Ceiling | Wall mounted | Packaged | Concealed

Type	kW	 Ceiling	 Wall mounted	 Packaged	 Concealed
Capacity	1.5		•		
	2.2		•		
	2.8		•		
	3.6		•		•
	4.5		•		
	5.6		•		•
	7.1		•		•
	8.2		•		
	11.2	•			
	14.0	•		•	
	28.0			•	

Duct

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

Ventilation

Type		
	CMH	ERV
Air Volume	260	•
	350	•
	500	•
	800	•
	1000	•

WindFree™ 4Way Cassette

Cools effectively without direct wind, keeps you comfortable with less energy.**



Enjoy a more effortless way to stay comfortably cool. The Samsung 4Way Cassette air conditioner's WindFree™ Cooling cools effectively and quietly without the unpleasant feeling of cold wind being blown directly onto your skin*. It also continually monitors the temperature and humidity and intelligently optimizes the operating mode to maximize comfort and efficiency, so it uses significantly less energy than normal cooling. And its 84mm big blade with an optimized shape delivers cool air up to 5 meters**, which means it will quickly cover a 10m wide space without leaving dead zones.

Comfort

- WindFree™ Cooling
- Smart Comfort Operation
- Quiet Operation
- Big Blade & Slanted Outlet Design

Cost Saving

- Low Energy Consumption

Hygiene

- Purification System
- PM1.0 Filter
- Washable Filters
- Auto Clean
- Drain Pump with Check Valve
- Ionizer Kit

Design

- 7 Types of Panel Design

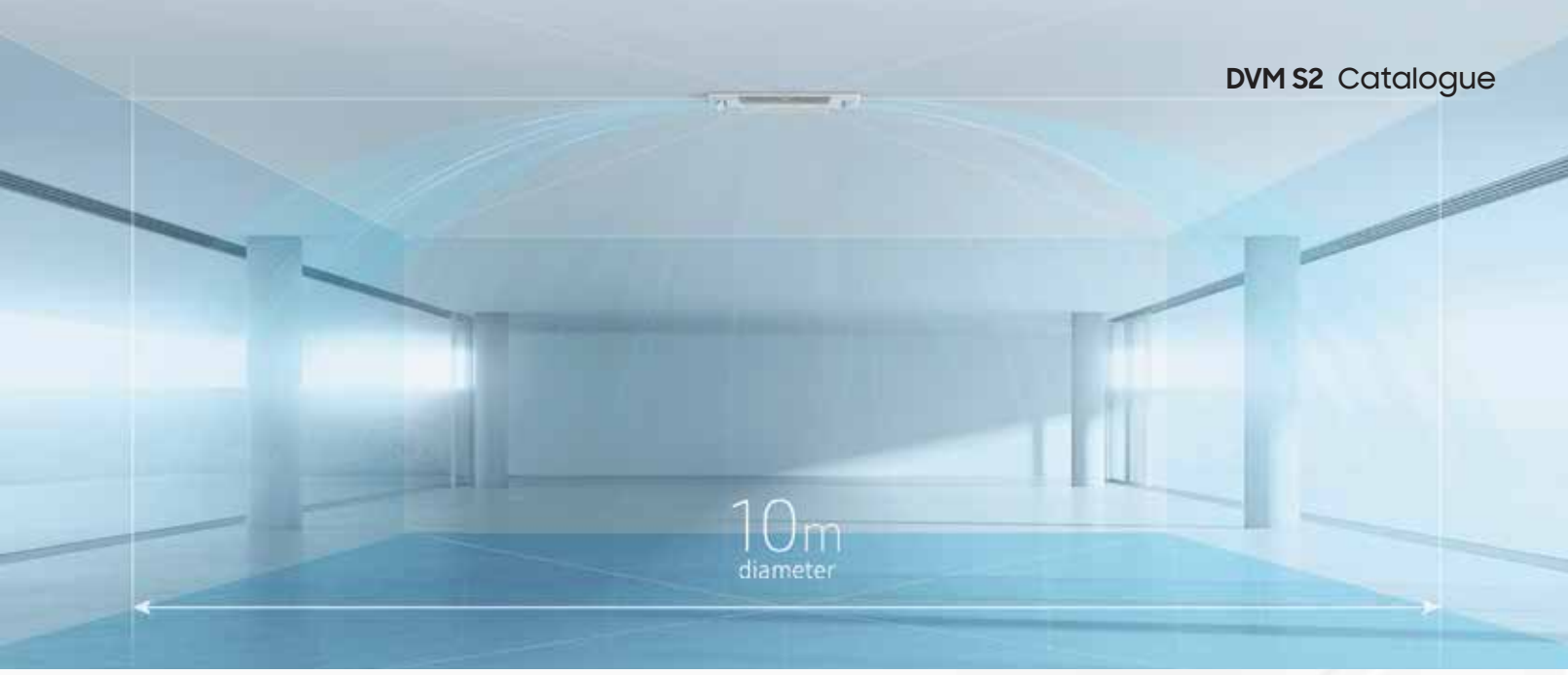
Smart Control

- Motion Detect Sensor

Maintenance

- Self-diagnosis
- Auto elevating grille panel
- Detachable and washable parts
- Built-in Remote Control Receiver

* Available only on the WindFree™ models.
** Based on internal testing on the WindFree™ 4Way Cassette (AC140RN4DKG/EU) with a PCNUFMAN blade. Results may vary depending on environmental factors and individual use.



Comfort

WindFree™ keeps you comfortable without worrying about cold drafts

The Samsung WindFree™ 4Way Cassette helps to create the ideal working or living conditions. As well as preventing cold drafts, it also works really quietly, so there's less disturbance.



15,700
Micro Air Holes*

Stay comfortably cool without feeling cold

WindFree™ Cooling

When people are directly exposed to a cold wind it can feel really unpleasant and may even make them ill if they stay cold for too long. With WindFree™ technology, the Samsung 4Way Cassette cools effectively without the unpleasant sensation of cold wind being blown directly onto your skin. Cool air is gently dispersed across the room through 15,700 micro air holes* that are just 1.4mm in diameter. It creates a "still air" environment** with a very low air speed of just 0.15m/s, so there are no drafts to disturb you. As it won't feel uncomfortable or cold, even if it is used for a long time, it's ideal for indoor spaces with air conditioning where many people are concentrated, such as offices, schools and libraries.

* The WindFree™ 4Way 600x600 model has 9,000 micro air holes. The number of micro air holes may vary based on the capacity of each model.
** ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) defines "still air" as when the velocity of air is below 0.15m/s, so people cannot feel any cold drafts.

WindFree™ 4Way Cassette

Installation, Maintenance & Control - Save time and effort

The lightweight design of the Samsung 4Way Cassette air conditioner makes it much easier to install. And its also simple to maintain and use, thanks to its washable blades and remote control using a smartphone.

Easy to handle & install with less effort

Lightweight Main Unit

Unlike conventional air conditioners, the main unit is made of plastic plates, so it is approximately 30% lighter*. Its lightweight construction makes it much easier to handle and set up, and means it can be installed with less difficulty.



* Based on internal testing compared to competing air conditioners: Samsung (4Way) AC071RN4DKG/EU = 14.5kg vs. A competitor's model = 21kg.

Easily detachable and washable blades

Detachable Blades

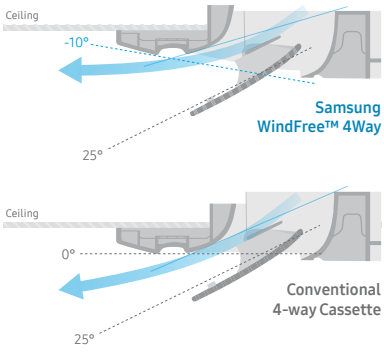
The blades can be easily removed and quickly washed in water to remove any dust or debris that has collected on them. So you can ensure that they continue to deliver the optimal air flow and help to maintain a clean and hygienic environment.



Faster & wider cooling with long wind

Big Blade & Slanted Outlet Design

4-way cassette air conditioners are generally installed in much larger spaces, such as commercial sites and offices. So the coverage of their air conditioning is one of the important factors in ensuring the comfort and productivity of everyone in the room.
As a result, the Samsung WindFree™ 4Way Cassette is designed to deliver not only the ultimate comfort in WindFree™ mode but also a superior cooling performance with its Normal cooling mode.



It has an 84mm big blade that is 31% larger than normal*, which helps prevent air from dispersing, so it sends much more air directly to the chosen spots. And the outlet is designed with a slant that opens blades at an angle of between -10° and 25° relative to the ceiling. This creates an almost horizontal air flow that can be sent further along the ceiling. So it can deliver cool air over a long distance, reaching up to 5m, which means it will quickly cover a 10m wide space without leaving dead zones.



* Based on the WindFree™ 4Way Cassette, compared to the Samsung conventional 4-way cassette air conditioner which has a 64mm blade. The WindFree™ 4Way 600x600 has a 66mm blade.

WindFree™ 4Way Cassette 600x600

Add chic flair to your interior design, add comfort to your work and life.



Samsung's advanced 4Way Cassette 600x600 builds on the aesthetic appeal and performance of the standard 4Way Cassette with an enhanced design, Its minimalist styling and simple panel pattern will elegantly 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.

Comfort

- WindFree™ Cooling
- Quiet Operation
- Smart Comfort Operation

Energy Saving

- Low Energy Consumption
- Motion Detect Sensor

Installation

- Lighter Weight
- Architectural Panel Size

Maintenance

- Drain Pump with Check Valve

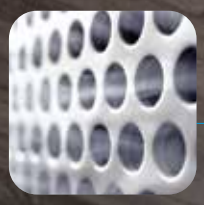
Comfort - Automatically keeps you comfortable without cold drafts

As well as preventing cold drafts, the Samsung 4Way Cassette 600x600 also works really quietly so there's less disturbance. And it intelligently optimizes its performance to ensure maximum efficiency.

Stay comfortably cool without feeling cold

Wind-Free™ Cooling

Stay feeling comfortable cool with the 4Way Cassette 600x600's WindFree™ Cooling. It cools effectively without the unpleasant sensation of cold wind being blown directly onto your skin. Cool air is gently dispersed across the room through 9,000 micro air holes. It creates a "Still Air" environment* with a very low air speed of just 0.15m/s and no drafts to disturb you. So, for example, you don't have to worry about restaurant customers or office staff being bothered by cold air.



9,000
Micro Air Holes

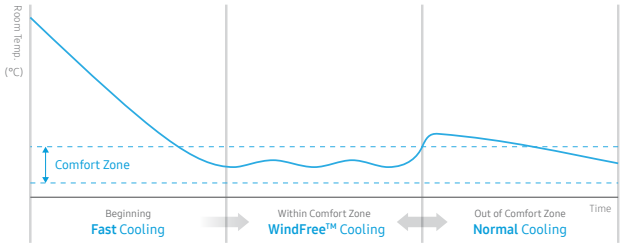


* Available only on the WindFree™ models.
* ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) defines "Still Air" as when the velocity of air is below 0.15m/s, so people cannot feel any cold drafts.

Enjoy a more intelligent way of working

Smart Comfort Operation

The 4Way Cassette 600x600 continually monitors both the temperature and relative humidity and analyzes the room conditions. It then automatically switches between operating modes to keep everyone feeling really comfortable without the need for any manual control. And it can quickly cool the air before changing to WindFree™ or normal cooling to maximize efficiency.



Installation & Maintenance - Save time, effort and space

The practical sizing and lightweight design of the Samsung WindFree™ 4Way 600x600 make it much easier to install. And its also simple to maintain thanks to its flexible design, featuring a detachable panel and blades.

Main Unit Dimensions (W x D mm)

575 x 575



Main Unit Weight (kg)

11.5

Perfect architectural ceiling tile size

Architectural Panel Size

The 4Way Cassette 600x600 has a practical size of panel design, which can be installed within one ceiling tile (600mm x 600mm) without disturbing the lights or sprinklers installed in the adjacent ceiling tiles. So it reduces the cost and effort required for any supplementary construction.

Easy to handle & install with less effort

Lightweight Main Unit

The main unit of the 4Way Cassette 600x600 is made of plastic plates, so it is approximately 28% lighter*. Its lightweight construction makes it much easier to handle and set up, and means it can be installed with less difficulty.

* Samsung (AC026RNNDKG/EU) = 11.5kg vs. A competitor's model = 16kg.

WindFree™ 1Way Cassette

Save space and money. Feel more comfortable.



Reduce the cost and increase the flexibility of installing air conditioning using the space-saving Samsung WindFree™ 1Way Cassette. As it's only 135mm high and 950mm wide, it fits into a limited ceiling space and can be installed almost anywhere, instead of using ducted air conditioners. In addition, its WindFree™ Cooling provides added comfort without the unpleasant feeling of a direct cold wind, while also consuming less energy. And it keeps your environment more hygienic with an optional PM1.0 filtration system that removes 99% of bacteria* and an easy to clean filter, which also reduces maintenance costs.

Comfort

- WindFree™ Cooling
- Quiet Operation
- Smart Comfort Operation
- 4-way Auto Swing

Cost Saving

- 135mm Slim Height
- Low Energy Consumption
- Big Blade
- Built-in Remote Control Receiver
- Compact Design with 950mm Width
- Downward Air Flow

Hygiene

- Purification System
- PM1.0 Filter
- Pre-Filter
- No Ductwork
- Washable Filters
- Auto Clean
- Drain Pump with Check Valve

Maintenance

- Easy Service Access
- Self-diagnosis

Design

- 3 Types of Panel Design

* Based on the Intertek test report. (No.: RT20E-S0010-R) * Test bacteria: Escherichia coli, Staphylococcus aureus.



Comfort

WindFree™ provides all day comfort that ensures you're always relaxed and refreshed

The Samsung 1Way Cassette air conditioner delivers a unique level of comfort by cooling optimally, without the unpleasant feeling of cold air on your skin.

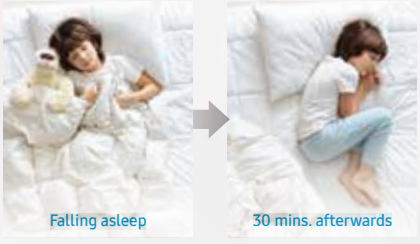


10,000
Micro Air Holes*

Sleep comfortably with less worrying about getting cold

WindFree™ Cooling

When people are directly exposed to a cold wind it can feel really unpleasant and may even make them ill if they stay cold for too long. This is particularly true when sleeping, as it's not that easy to fall asleep or to sleep deeply and comfortably when you feel cold. With WindFree™ technology, the Samsung WindFree™ 1Way Cassette cools effectively without the unpleasant sensation of cold wind being blown directly onto your skin. Cool air is gently dispersed across the room through 10,000 micro air holes* that are just 1.4mm in diameter. It creates a "still air" environment** with a very low air speed of just 0.15m/s , so there are no drafts to disturb you. And it helps you and your family to sleep soundly in the summer.



No cold air flow directly reaches your sleeping children, who usually kick their blankets off just 30 minutes after falling asleep.

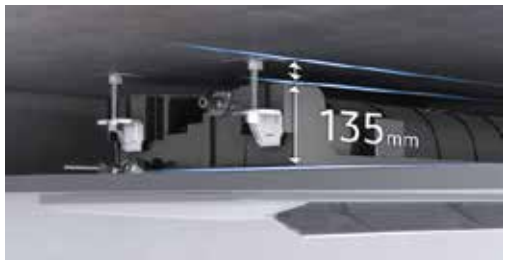
* The number of micro air holes may vary based on the capacity of each model.
** ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) defines "still air" as when the velocity of air is below 0.15m/s, so people can't fell any cold drafts.

WindFree™ 1Way Cassette

Frees up extra space to create an extra story for free

135mm Slim Height

Ducted type air conditioners generally require approx. 300mm of ceiling space to be installed properly. But the slimline Samsung WindFree™ 1Way Cassette has a height of only 135mm, so it can fit into a smaller ceiling space of just 155mm – or 200mm at the very most. So it provides a suitable and effective solution for cooling and heating a wide range of locations where space is limited.



Heats or cools evenly in every corner

4-way Auto Swing*

Create a comfortable environment with an even temperature in every corner of a room. The WindFree™ 1Way Cassette features an Auto Swing function* that automatically expels cool air in every direction. As well as the auto up-down swing function it also has an auto left-right swing function, so air is evenly distributed across the room.

* Only available on certain models.



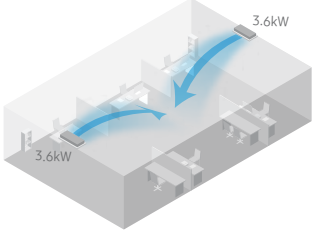
Vertical swing: 30° ~ 80°
Horizontal swing: -45° ~ +45°

Cost Saving

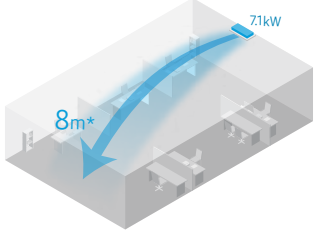
One covers as much as two with a long wind

Big Blade

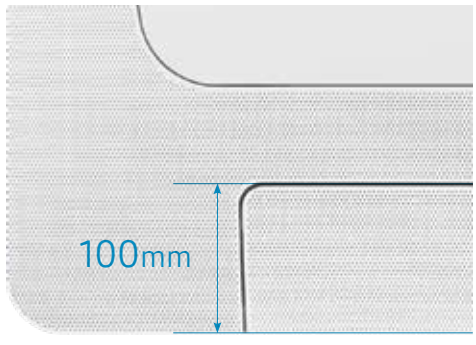
Cool your room quickly from corner to corner. The WindFree™ 1Way Cassette has a 100mm big blade that can deliver cool air over a long distance, reaching up to 8 meters*. It also has a wider operating angle, as the blade can move between 30 to 80 degrees. So it can cool a whole room rapidly and evenly by dispersing cool air farther and into every corner, without leaving any "dead zones". Its long wind means you can replace two conventional 1-way cassettes with one WindFree™ 1Way air conditioner, especially in long rectangular spaces. So you can reduce the installation and maintenance costs of your air conditioning.



Conventional 1-way cassette



Samsung WindFree™ 1Way





* Based on internal testing on a 7.1kW model. Results may vary depending on environmental factors and individual use.

360 Cassette

Circular design, omni-directional wind. All new innovations for added style and comfort.



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

Comfort

- Omni-directional Outlet
- Bladeless Design
- Booster Fan

Design

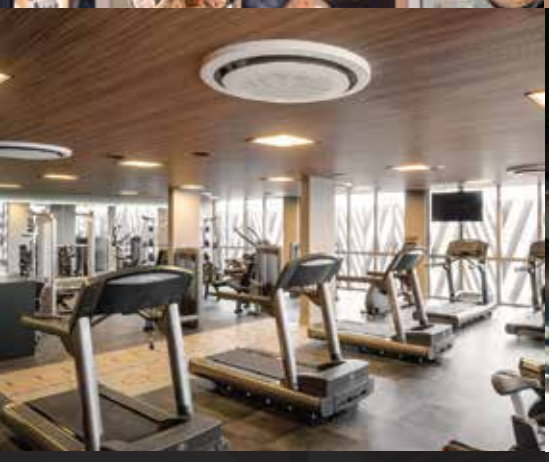
- Innovative Circular Design

Control

- Wireless Remote Controller
- Circular LED Display

* Within a 9.3m radius the temperature difference is less than 0.6°C.
** Samsung testing compared to a general 4-way cassette type air conditioner. Within a 5m radius, no cold draft between 0~1.5m in height (with 14.0kW).





TOPTANI SHOPPING MALL
ALBANIA

NOVOTEL ITU GOLF & RESORT
BRAZIL

ICON SIAM
THAILAND

V-HOUSE
BRAZIL

MR. BROWN RESTAURANT
ITALY

DONGSIM
KOREA

THE COFFEE BEAN & TEA LEAF
PHILIPPINES

LEGO KOREA
KOREA

CAFÉ AMAZON
THAILAND

NOAH'S ROASTING
KOREA

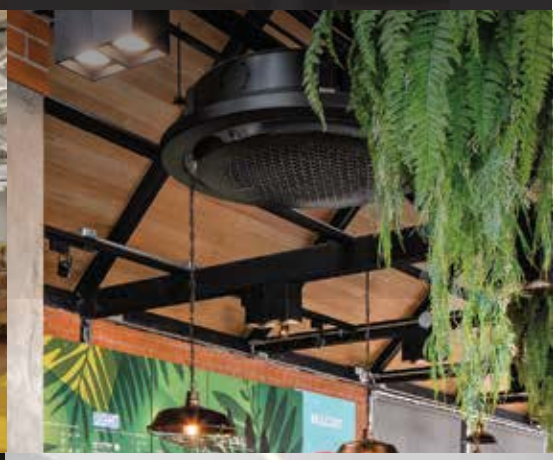
GREENWOOD FISH MARKET
SINGAPORE

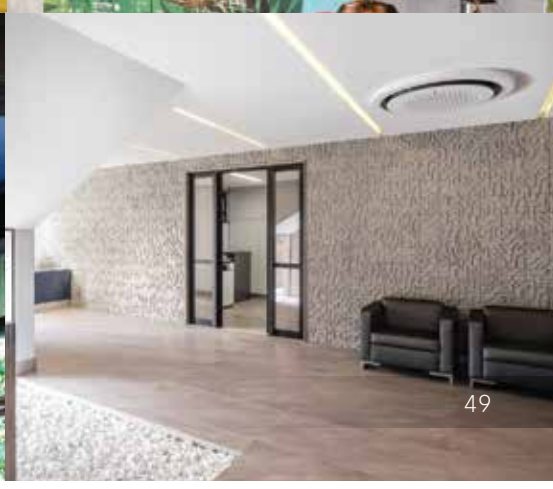
SKAVA MINAS
BRAZIL

A perfect circle ensures perfect harmony with your own style

The pleasing aesthetic of the 360 Cassette's circular design is the perfect way to enhance your interior surroundings. It also directs air uniformly in all directions, ensuring a fresh, natural and pleasant breeze that completely eliminates cold drafts. This unique combination of its visually stunning, yet extremely practical design led to the 360 Cassette winning the prestigious iF Award (International Forum Design Award) 2016.





360 Cassette

Comfort - Keeps you comfortably cool wherever you are

Add a touch more style to any room and enjoy comfortable, draft free cooling across a wide area with the Samsung 360 Cassette air conditioner.

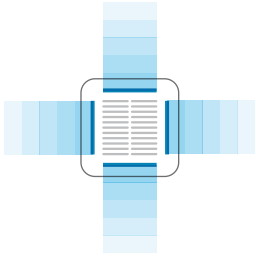


Evenly circulates air & cools every corner

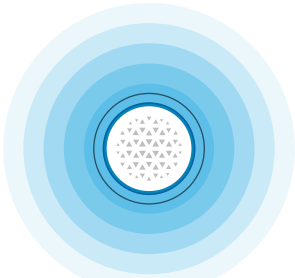
Omni-directional Outlet

Conventional 4-way cassette type air conditioners create an uneven air flow, with areas that the cool air can't reach, as they only blow cold air in 4 directions*. So, depending on where you are, you'll notice that there are different temperatures across the room. The 360 Cassette features a circular outlet that blows cool air in all directions, so that every corner of the 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.

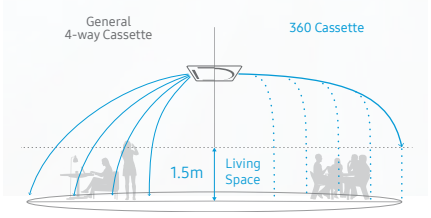


4-way Cassette



360 Cassette





Comfortably cool, not unpleasantly cold

Bladeless Design

The blades of a conventional 4-way cassette type air conditioner create an unpleasant air flow that feels like a cold draft*. The 360 Cassette has a bladeless design, so cool air disperses gently and descends across the room like a natural wind, making people feel comfortably cool without the sensation of a cold draft on their skin**. As there are no blades to block the air flow, especially at low angles, it expels 25% more air* and spreads it farther, which means you can quickly enjoy a more comfortable environment across a wider area.

* Based on internal testing compared to a general 4-way cassette air conditioner.
** Within a 5m radius, no cold draft between 0~1.5m in height (with 14.0kW).

2Way Cassette

Specially designed to fit in effortlessly and cool long areas effectively.



Ensure a consistently comfortable environment even if space is restricted. The compact design of the Samsung 2Way Cassette air conditioner is ideal for long and narrow areas, like corridors. It uses 26% less space* than a Samsung 4Way Cassette and is easier to install and maintain. With two motors and two fans it powerfully distributes cool or warm air throughout a large area, even if it is long and wide. And the Auto Surround Swing system ensures an even temperature from corner to corner.

Comfort

- Compact Design with 2-way Air Flow
- 2 Motors and 2 Fans
- Auto Surround Swing
- Optimum Temperature Control

Installation

- Compact Size & Ultralight Weight
- Advanced Drain Hose

Maintenance

- High Lift-up Drain Pump with Check Valve
- Self-diagnosis

* Based on internal testing. Results may vary depending on environmental factors and individual use.

2Way Cassette

Comfort - Delivers consistent comfort over a long area

Even though it has a compact design, the Samsung 2Way Cassette is still very powerful. And its 2-way air flow spreads air evenly over a greater distance, so it is ideal for cooling or heating long and narrow spaces.



Cools & heats long or narrow areas evenly

Compact Design with 2-way Air Flow

Make good use of valuable space with the compact 2Way Cassette. It is ideal for cooling or heating long and narrow areas, such as rectangular offices or hallways and corridors in hotels, schools and hospitals. Its 2-way air flow distributes air evenly over a long distance without any temperature deviation.

* Based on internal testing. Results may vary depending on environmental factors and individual use.

Cools even farther and in every direction

Auto Surround Swing

The 2Way Cassette features an innovative Twin Cross Flow Fan and an optimized air flow path, which enable air to be blown out over a long distance. Its Auto Surround Swing system then automatically distributes the air in every direction, ensuring that it is evenly distributed across the whole room. So you can enjoy a comfortable environment with an even temperature in every corner.



WindFree™ Wall Mounted for VRF

Stay comfortable with no direct cold draft, optimizing the temperature, humidity and purity.



Stay comfortably cool anytime and anywhere. The innovative Samsung WindFree™ air conditioner gently disperses air through 23,000 micro air holes*, so there are no unpleasant cold drafts. With its advanced air flow structure it can cool a whole room extremely quickly and evenly from corner to corner. It also continually monitors the ambient temperature and humidity and intelligently adjusts its performance to ensure optimum comfort. And it includes a range of advanced features that make installing, maintaining and controlling your air conditioning a real breeze.

Comfort

- WindFree™ Cooling
- Smart Comfort Operation
- Quiet Operation
- WindFree™ Dry Mode
- Advanced Air Flow Structure
- 4-way Swing

Cost Saving

- Low Energy Consumption

Hygiene

- Auto Clean
- Easy Filter Plus

Control

- SmartThings
- Voice Control
- Temperature Display
- Beep Off

Installation & Maintenance

- Snap-fit Design & a Roller Type Bracket

Line-up

- Various Capacities and Sizes

* The number of micro air holes may vary based on the capacity of each model.

Comfort

WindFree™ creates the ultimate comfort, intelligently optimized for every moment

The Samsung WindFree™ air conditioner keeps you comfortably cool with its still air and humidity control, which are intelligently optimized to suit your needs.



23,000
Micro Air Holes*

Stay comfortably cool without feeling cold

WindFree™ Cooling

When people are directly exposed to a cold wind it can feel really unpleasant and may even make them ill if they stay cold for too long. With WindFree™ technology, the Samsung WindFree™ air conditioner cools effectively without the unpleasant sensation of cold wind being blown directly onto your skin. Cool air is gently dispersed across the room through 23,000 micro air holes* that are just 1.4mm in diameter. It creates a "still air" environment** with a very low air speed of just 0.15m/s, so there are no drafts to disturb you. As it won't feel uncomfortable or cold, even if it is used for a long time, it's ideal for indoor spaces where family members gather, such as living rooms, or you spend a lot of time, like bedrooms.





* The number of micro air holes may vary based on the capacity of each model.
** ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) defines "Still Air" as when the velocity of air is below 0.15m/s, so people cannot feel any cold drafts.

Ducted | Duct S

Versatility as standard. All of your duct needs equipped in just one unit.



Install and service your air conditioner more easily in more locations. The Samsung Duct S air conditioner is a compact and lightweight ducted indoor unit. Being 25% smaller and 30% lighter than conventional air conditioners* it fits into even the smallest spaces.

But it still delivers consistent cooling and heating as it automatically optimizes the air volume and pressure and minimizes noise. And its 3-way service access makes it simple and cost-effective to maintain wherever it is located.

Efficiency

- New Sirocco Fan
- Twin Rotary BLDC Compressor

Comfort

- Smart Tuning
- Away Mode

Control

- Smart Wi-Fi

Installation

- Compact & Lightweight
- Auto ESP Adjustment

Maintenance

- 3-way Service Access
- Plug-and-Connect Drain Pump

* Based on internal testing comparing the Samsung Duct S AM030MNHDCH/AA model with the conventional AM030JNHDCH/AA model. Volume: Duct S = 210L vs. Conventional = 280.8L. Weight: Duct S = 40.5kg vs. Conventional = 58kg.

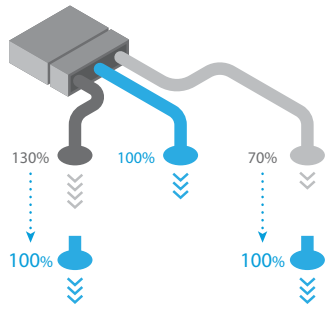
Efficiency & Comfort - Stay comfortable with less effort and energy

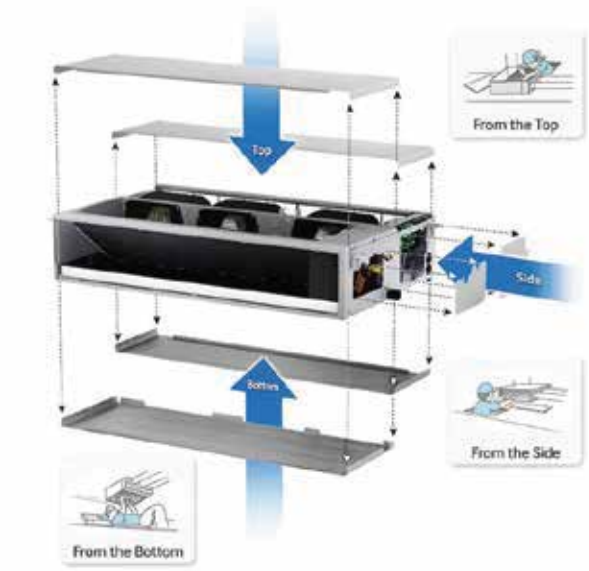
The Samsung Duct S air conditioner is a global frontrunner in energy-efficient design, temperature control and power. And its smart capabilities intelligently optimize its performance to suit your changing needs.

Automatically more comfort & performance

Auto ESP Adjustment

Enjoy maximum comfort and efficiency with minimum effect in any environmental conditions. The Auto ESP Adjustment function automatically senses the external static pressure (ESP), whatever the length of duct. It then quickly adjusts the fan speed to optimize the air volume and pressure and minimize noise, ensuring consistent cooling and heating power in any situation. The ESP can also be easily adjusted using a remote control, which reduces the installation time.





Easy service access in various locations

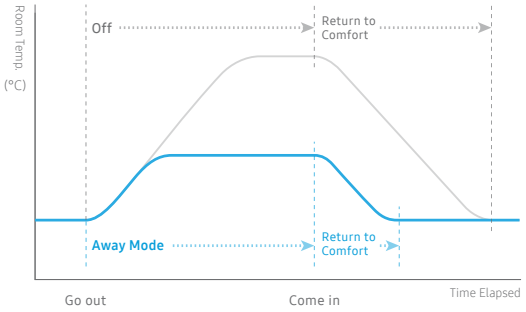
3-way Service Access

Service your ducted air conditioner more easily in a wide variety of locations. The Duct S is designed so that its fan, motor and coil can be accessed from three directions - top, side and bottom - using an easy to remove Slide Fit cover. As a result, it's simple to maintain wherever it's installed, which saves you time and money.

Optimized operation when away from home

Away Mode

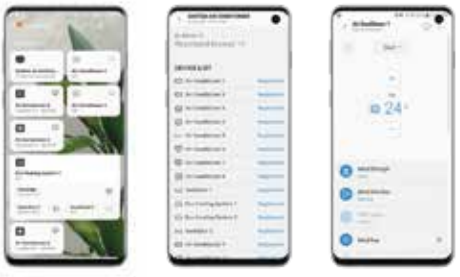
Avoid wasting energy when you're not at home. If you're out of the house, simply select the Duct S air conditioner's Away Mode. It will maintain the optimal temperature with minimal operation during your absence. So it saves energy, but you will always feel comfortable when you return.



Remotely control it anytime, anywhere

Smart Wi-Fi

Control your air conditioner when you're on the go. Using the Smart Wi-Fi function on a smartphone* you can remotely control the Duct S anytime and anywhere. With a simple touch you can turn it on and off and select the operating mode and temperature. Or you can schedule when it starts and stops and control other functions. So, even when you're not there, it gives you peace of mind that your workplace or home are cooled efficiently and is not left on unnecessarily wasting energy.



* Available on Android and iOS devices. A Wi-Fi Connection and an optional Wi-Fi Kit (MIMHO2N) are required.

Ducted | Slim Duct

Flexibly install in a very low space. Delivers comfort with easy maintenance.



Choose where to locate your air conditioner with more flexibility. The Samsung Slim Duct air conditioner is a slim design ducted indoor unit that has a 2-way Air Inlet, so it can be configured to suit almost any room. Being just 199mm high and 700mm wide*, it can also be discretely concealed in many locations and is easy to install, maintain and repair. Especially as the filter cleaning indicator automatically notifies you when the filter is due for cleaning after 1,000 hours of operation**.

Flexibility

- 2-way Air Inlet
- Slim & Compact Design (199mm Height)
- High Lift-Up Drain Pump
- Easier Drain Pump Installation

Comfort

- Purification System

Convenience

- Easy Access
- Easy Filter Cleaning

* Based on the AM036KNLDEH/EU model. The width of other models may vary.
** 1,000 hours is the default setting, but this can be adjusted to 2,000 hours on the internal PCB.

Ducted | Slim Duct

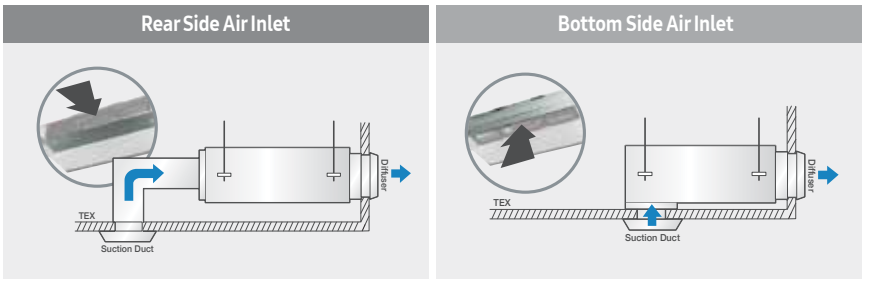
Flexibility - Easily install in various ceiling conditions

The slim and compact Samsung Slim Duct air conditioner visually blends into the ceiling. It's also easy to maintain in any interior regardless of the surrounding environment.

Fits into many different spaces

2-way Air Inlet

The Slim Duct features a 2-way air inlet – bottom or rear – that gives you much more flexibility in selecting an installation location. It can be configured to suit almost any room, providing the optimum air flow to the surrounding space, while being discretely concealed behind ceilings, so it blends in.





Blends in seamlessly

Slim & Compact Design (199mm Height)

Enhance the look and feel of almost any space. With a height of just 199mm and a width of 700mm*, the Slim Duct's slim and compact design is highly elegant and unobtrusive, so it can be discretely concealed in many more locations. It also makes its installation, maintenance and repair quick and easy, so it provides a suitable and effective solution for cooling and heating a wide range of businesses.

* Based on the AM036KNLDEH/EU model. The width of other models may vary.

Flexible installation in more locations

Optional High Lift-Up Drain Pump

Easier Drain Pump Installation

Enjoy a greater choice of possible installation locations. The Slim Duct includes the option of a High Lift-Up Drain Pump*. It lifts the condensed water collected during the cooling operation up to 750mm, compared with the previous limit of 700mm. So you have more flexibility in selecting the optimum location for the unit, and can install and maintain it conveniently. Especially as you can check, repair or install a new drain pump by simply removing the right-side panel.

* Specifications of a Drain Pump may vary by model.



Ducted | HSP Duct

Greater flexibility to optimize comfort in spacious and complex areas.



Choose where to install your air conditioner with much greater flexibility. The Samsung HSP air conditioner's High External Static Pressure (HSP) can send air further than most slim ducts*, so it can be used with long duct works and installed some distance away.

And you can easily enjoy maximum comfort in any location, whatever the environmental conditions, by using its optimum external static pressure control to optimize the air volume and pressure and minimize noise.

Performance

- High External Static Pressure

Comfort

- Optimum ESP
- Auto ESP & Easy Tuning
- High Air Flow Rate & Less Noise

Installation

- Lightweight and Splittable Design

Maintenance

- 3-way Service Access

* Based on internal testing. HSP Duct = 20~28mmAq vs. MSP Duct = 15mmAq. Results may vary depending on environmental factors and individual use.

Performance - Creates more air, goes much further

The Samsung HSP Duct air conditioner is capable of sending a plentiful supply of cool or warm air over a long distance, so it can be installed in wide variety of locations, even if they are long distance away.

Covers large areas with extra-long ducts

High External Static Pressure (HSP)

Select the best location for your air conditioner, even if it needs long duct work, but still get plenty of air to cool or heat large spaces or places. The HSP Duct's High External Static Pressure (HSP) means it can send air further than most slim ducts*. Even if you don't have enough room for duct products in the ceiling, you can use outlets connected to an HSP duct that is installed some distance away. It gives you much more flexibility without impacting the interior design.

* Based on internal testing. HSP Duct = 20~28mmAq vs. MSP Duct = 15mmAq. Results may vary depending on environmental factors and individual use.



Ducted | HSP Duct

Comfort - Optimized comfort regardless of the physical conditions

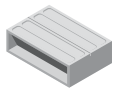
The Samsung HSP Duct air conditioner includes a range of technologies that automatically optimize its performance to suit any environment, so you can always enjoy maximum comfort with minimum effort.

Efficient & even performance everywhere

Optimum ESP

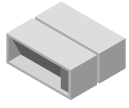
Maintain the ideal temperature in every location, whatever the environmental conditions, using the HSP Duct's optimum external static pressure (ESP) control. It can be easily adjusted in 5-8 steps* and will quickly change the fan speed to optimize the air volume and pressure and minimize noise, without discharging too much or too little air. So it ensures a consistent performance in a broad range of large spaces.

* Based on internal testing. Results may vary depending on environmental factors and individual use.



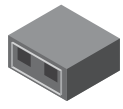
AM112HNHPKH
AM128HNHPKH
AM140HNHPKH

8 step adjustment for ESP 3~20mmAq



AM180JNHFKH
AM224JNHFKH

5 step adjustment for ESP 5~20mmAq



AM280FNHDEH

5 step adjustment for ESP 5~28mmAq

Installation & Maintenance - Save time, effort and space

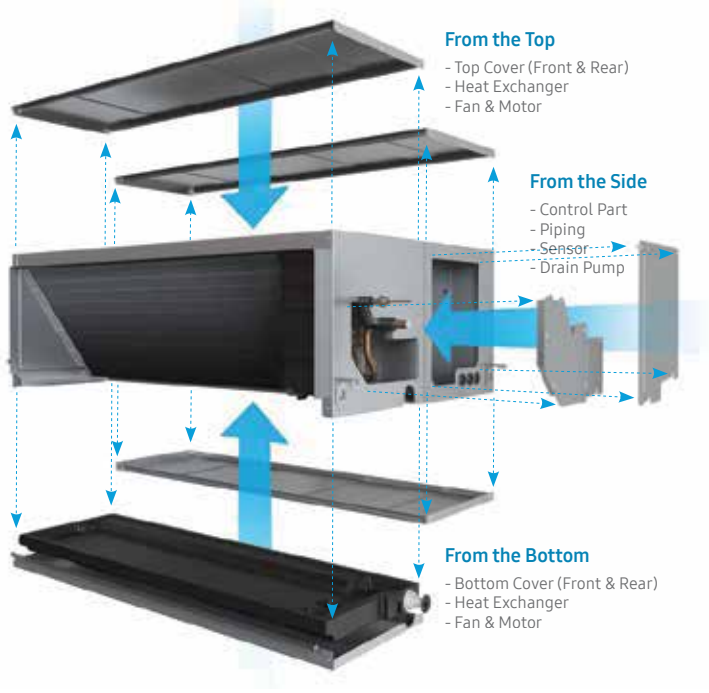
The Samsung HSP Duct air conditioner is simple to install, handle and maintain. It has a lightweight and split-table design and is easy to service from a choice of three directions.

Easy service access in various locations

3-way Service Access

Service your ducted air conditioner more easily in a wide variety of locations. The HSP Duct is designed so that its fan, motor and coil can be accessed from three directions* – top, side and bottom – using an easy to remove Slide Fit cover. As a result, it's simple to maintain wherever it's installed, which saves you time and money.

* This feature is only available in the AM112HNHPKH, AM128HNHPKH and AM140HNHPKH models.



Ceiling

Maximizes your living space, without compromising your comfort.



Convertible

- Two-way Installation
- Slim and Compact Size



Big Ceiling

- Powerful Cooling
- Filter Dust Alarm
- Simple & Unique Design
- Purification System
- High Elevation with Long Piping

For large retail areas, galleries, workshops or offices and commercial premises that have limited floor and wall space an under-ceiling mounted air conditioning unit provides a simple solution. As they are usually installed directly below the ceiling, they have a minimal footprint and maximize the use of the available floor space. They are also very powerful and can cool a large area, especially as they are located high-up in the room, so the air is distributed a lot farther.

Ceiling | Big Ceiling



Stylishly compact to enhance any space

Simple & Unique Design

Enhance both the look and the air quality of your work space. The Big Ceiling air conditioner has a harmoniously seamless and deceptively minimalist looking design. The aerodynamically curved shape of its enlarged blade and geometric grill maximize its efficiency and performance, but also blend unobtrusively with the ceiling. And the simple and colorful display adds to the overall aesthetic, while also providing clear status information.

Quickly and efficiently cools more space.

Cool a large workplace quickly and efficiently. The Samsung Big Ceiling air conditioner is a deceptively simple looking indoor ceiling unit that delivers a powerful, but efficient cooling performance. It blows cool air much farther, so it saves money, space and installation time as fewer units are required. As well as blending harmoniously into any space, it creates a more comfortable and tranquil work environment, which helps to enhance productivity.



Cools farther, cools large areas fast

Powerful Cooling

Cool your work space quickly and efficiently. The Big Ceiling air conditioner's powerful cooling means you can cool a large area in a short time, using a small number of indoor units. It blows cool air over a long distance, up to 15 meters, which is 70% more than conventional units*. So you only need one unit instead of 2 for every 20m² area, which saves you money, space and installation time.

* Based on internal testing. Results may vary depending on environmental factors and individual use.

Floor Standing | Concealed

Invisibly and effectively cools any space.

The Samsung Concealed floor standing air conditioner is designed to be installed along a perimeter wall or within a counter, so it is easily concealed and won't impact on your interior décor. It also offers the utmost versatility, as you can easily adjust its performance to suit the conditions of each location. So it effectively cools or heats any space and maintains the desired temperature, even if it has high ceilings and lots of windows.

High performance for versatile installations

2-way Installation

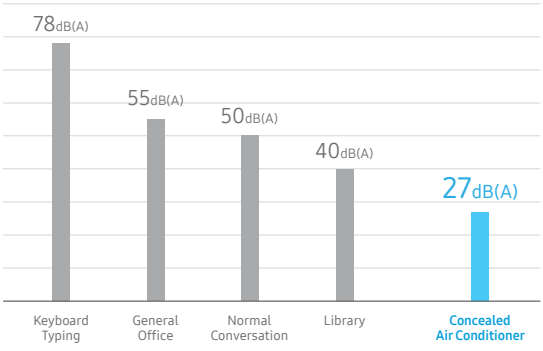
The Concealed floor standing unit provides an extremely versatile way of cooling and heating spaces with very different requirements, such as offices, schools and hotels. Whether on the floor or mounted, the unit compensates for environmental conditions, such as high ceilings and windows, so it always delivers a consistent cooling and heating performance. When mounted in a window, the unit blocks the air from getting through the gap in the window and maintains the desired indoor temperature.



Doesn't disturb your daily life

Silent Operation

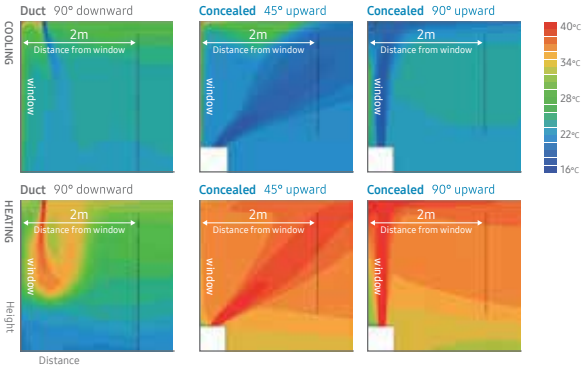
Avoid the disturbance of a noisy air conditioning system when you're trying to relax or concentrate. Whether it is heating or cooling, the Concealed air conditioner creates just 27dB(A) of sound, which is much quieter than a library. So it works silently and efficiently away in the background to create a comfortable and distraction-free environment.



Stay comfortable, without cold drafts

Vertical Air Flow

When you're near a window you can often feel an unpleasant cold draft. And in a building with a lot of windows this can be a real problem. So the Concealed floor standing air conditioner is designed to block cold drafts, which improves the efficiency of your heating and ensures that everyone feels more comfortable wherever they are.





Floor Standing | Packaged

Keeps you comfortable, keeps it clean.

The Samsung Mirage air conditioner, a Packaged floor standing type indoor unit, effectively cools or heats a large room by evenly distributing air. The 4-way Auto Swing automatically changes the direction of air flow to send it into every corner of an entire room, while the Full Touch Control Panel allows you to intuitively adjust its direction and temperature to suit your changing needs. And the Auto Shutter opens the flaps only when the air conditioner is working, but automatically shuts them when it's turned off, so it prevents dust from entering inside and helps ensure that the air is always clean.



Heats or cools evenly in every corner

4-way Auto Swing

Create a comfortable environment with an even temperature in every corner of a room. The Mirage air conditioner's 4-way Auto Swing function automatically expels cool air in every direction. As well as the auto up-down swing function it also has an auto left-right swing function, so air is evenly distributed across the room.

Protects the inside from dust to provide clean air

Auto Shutter

Simply keep the inside of your air conditioner hygienic to ensure that it always expels fresh air into your room. The Mirage air conditioner features an Auto Shutter function that automatically opens and closes the flaps. When your air conditioner is turned on, the flaps open, ready to deliver pure, fresh air. However, when your air conditioner is turned off, the flaps close, which prevents dust particles from getting inside the system when it is not in use.





Intuitively control the air direction and temperature

Full Touch Control Panel

The Mirage air conditioner has a Full Touch Control Panel that allows you to adjust the air flow direction, air volume and room temperature, along with cooling and heating modes - effortlessly with gentle touches. And, as it has a clean and simple illuminated display, it clearly shows the status of its operation, while adding a modern look to your room.



Ventilation | OAP Duct

Conserve energy and costs with practical, high-powered operation.



Enjoy an endless supply of freshly treated air without incurring huge costs. The Samsung OAP (Outdoor Air Processing) Duct is a high-powered fresh air treatment unit with integrated ventilation. It combines fresh air processing and air conditioning in a single system, so it is extremely efficient. Air conditioning indoor units and an Outdoor Air Processing unit can be connected to the same refrigerant line, resulting in enhanced design flexibility and a significant reduction in total system costs. A BLDC motor extends the savings by ensuring considerably less energy consumption.

Efficiency

- BLDC Motor

Comfort

- Flexible Static Pressure Control
- Full-range Temperature Processing

Installation

- 390mm Height

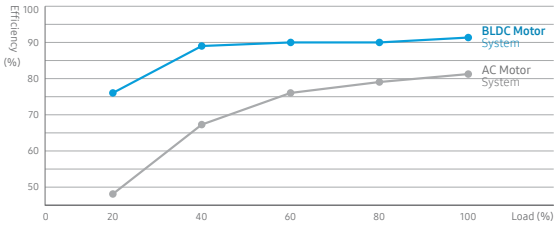
Efficiency - Works hard, saves more

Even though the Samsung OAP Duct delivers a powerful performance it is also designed to work extremely efficiently, using the minimum amount of energy.

High-efficiency operation consuming less energy

BLDC Motor

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





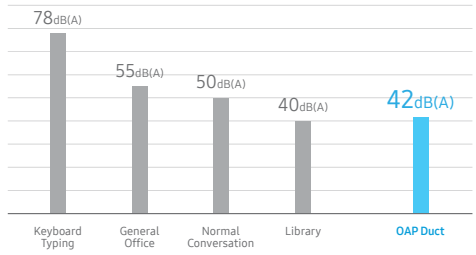
Comfort & Installation - Fits in easily, works silently

With the Samsung OAP Duct you can enjoy a much quieter and more relaxing environment all year round. Especially as its light and compact design makes its easy to install and maintain in many more locations.

More comfort with less noise

BLDC Motor

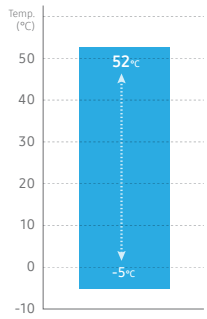
Equipped with the proficient BLDC motor, the OAP Duct operates quietly with a sound level as low as 42dB(A), so it is almost as quiet as a library. Such distraction-free operation ensures optimum comfort and calm within any environment.



Four season comfort regardless of climates

Full-range Temperature Processing

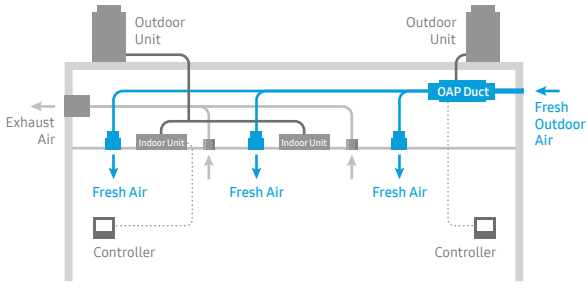
The OAP Duct supplies fresh air to the interior environment by cooling or heating a wide spectrum of outside temperatures, ranging from -5°C to 52°C.



Everywhere comfort with optimal air volume

Flexible Static Pressure Control

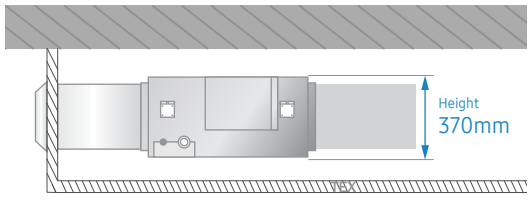
If the installation area of the duct exceeds the standard, then the static pressure control system maintains the optimum air volume by adjusting the fan speed.



Install in more places with fewer limits

370mm Height

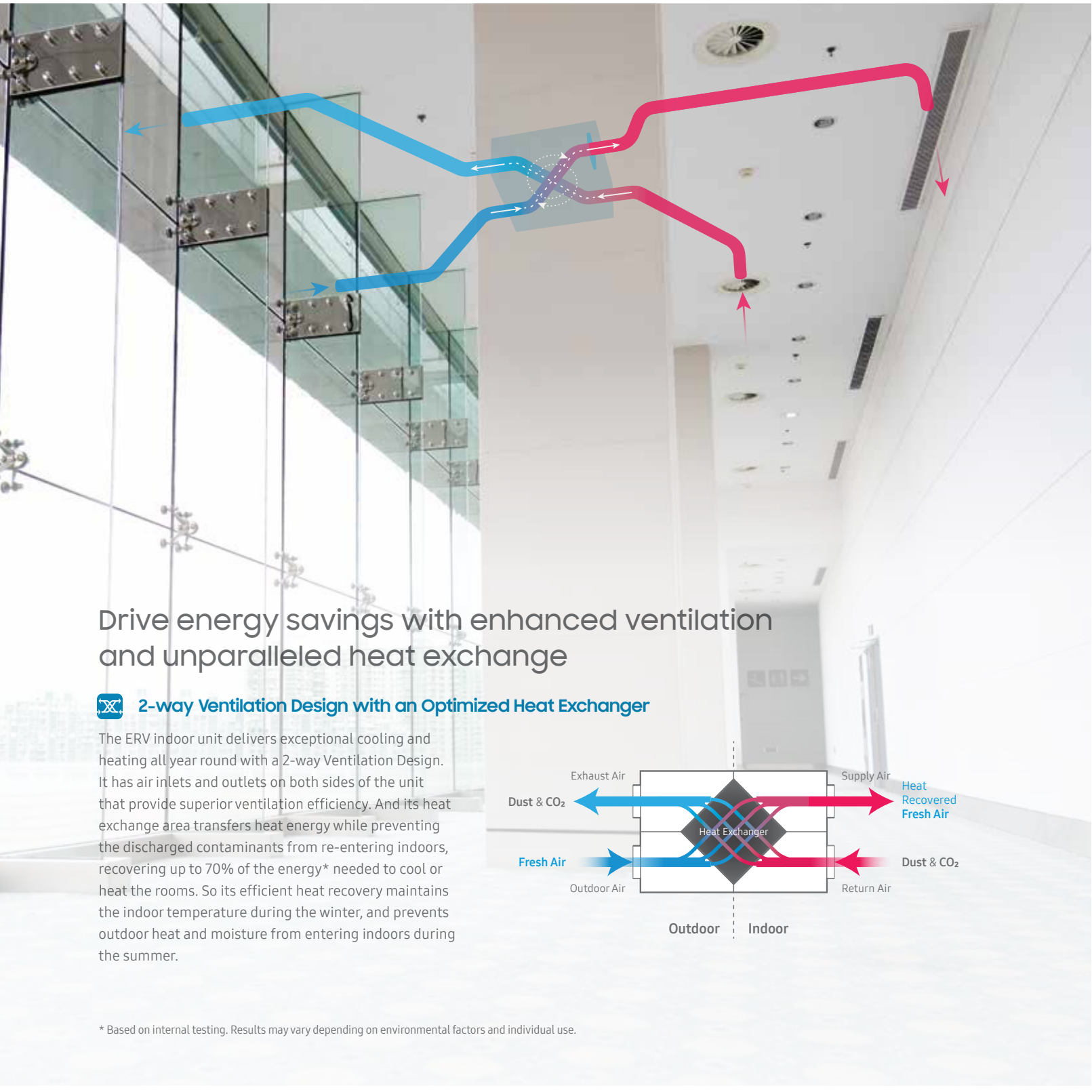
A light and compact design, with a low height of 370mm, means you can conveniently install and manage it in a variety of areas with a host of installation options.



Ventilation | ERV

Energy Saving - Designed for efficiency, controllable for more savings

The Samsung ERV system includes a number of innovative features that optimize the efficiency of your heating and cooling to ensure maximum comfort with minimum energy use.



Drive energy savings with enhanced ventilation and unparalleled heat exchange

2-way Ventilation Design with an Optimized Heat Exchanger

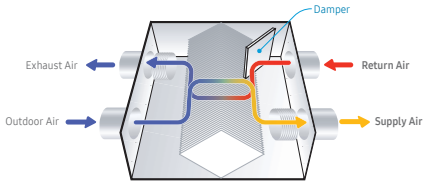
The ERV indoor unit delivers exceptional cooling and heating all year round with a 2-way Ventilation Design. It has air inlets and outlets on both sides of the unit that provide superior ventilation efficiency. And its heat exchange area transfers heat energy while preventing the discharged contaminants from re-entering indoors, recovering up to 70% of the energy* needed to cool or heat the rooms. So its efficient heat recovery maintains the indoor temperature during the winter, and prevents outdoor heat and moisture from entering indoors during the summer.

* Based on internal testing. Results may vary depending on environmental factors and individual use.

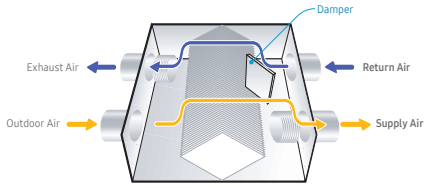
Automatically changes its mode to conserve energy

Auto Mode

The Auto Mode of the ERV indoor unit automatically changes its operation mode, based on the temperature difference between the indoor and outdoor environment, to utilize energy more efficiently. In extreme climates, where there is a big temperature difference in certain seasons, like winter and summer, it brings in fresh outdoor air that is heated or cooled by the indoor air that is being expelled. But in mild climates, such as spring and fall, it simply uses outdoor air without the need for any heat exchange.



Extreme Climates
(Winter & Summer)



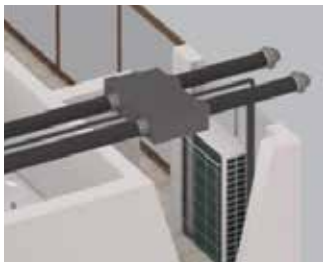
Mild Climates
(Spring & Fall)



Controls air conditioners to optimize energy use

Energy Saving Mode

When the ERV indoor unit is combined with an air conditioning system, it provides world - class energy savings by intelligently reducing the total openrating hours of your air conditioners. As a result, it optimizes the cooling and heating performance across all of your rooms to ensure a comfortable environment, but saves energy by reducing the overall load on the systems.



Optimized Design - Easier to install and maintain

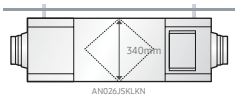
The compact yet powerful design of the Samsung ERV system makes the installation process much easier. Its slim design ensures that it can be placed flexibly in many more locations.



Flexibly install in almost any space

Slim Build

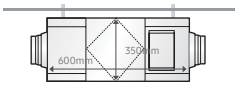
Samsung's advanced technology enables a slim and compact design. By applying a highly efficient heat exchanger element, Samsung has been able to reduce the ERV system's height to 270mm. Compared to traditional units with rectangular-type heat exchangers, Samsung ERV units use space more efficiently with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



260 CMH

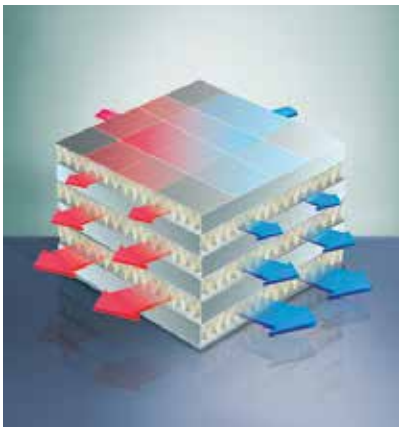


800, 1,000 CMH



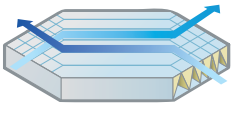
350, 500 CMH

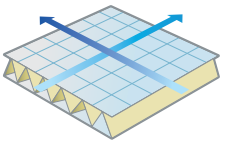
Enlarged area for better heat exchange



Diamond type Heat Exchanger

The ERV indoor unit features a new Diamond type Heat Exchanger that is optimally designed for an enhanced air flow. It also makes the whole unit size more compact, reducing the height to 270mm, but it offers much greater efficiency compared to rectangular or hexagonal type heat exchangers.


Hexagonal Type


Rectangular Type



Individually or centrally, from anywhere you want. Everything is always under control.

Samsung Control System offers convenient control of individual indoor units or entire groups of multiple units. Using a variety of systems, users can easily monitor and control multiple functions.

[Background] Reference Site: Caves Carriere (France), which has installed controllers for 12 indoor units and 4 outdoor units.

Controls | Line-up

CATEGORY	PRODUCT	TYPE	MODEL
Individual Control System	**Wireless** Remote Controller	**Standard** with **WindFree™**	AR-EH03E
		for **360 CST**	AR-KH03E
	Wired Remote Controller	**Standard**	MWR-WE13N
			MWR-WG00JN
		Simple	MWR-SH00N
		Touch Simple	MWR-SH11N
		for **ERV**	MWR-VH12N
		for **DVM Chiller**	MCM-A00N
		Standard for **EHS**	MWR-WW10N
Centralized Control System	**On/Off** Controller		MCM-A202DN
	Touch Controller		MCM-A300N
	Wi-Fi Kit 2.0		MIM-H04N
Integrated Control System	**DMS2.5**		MIM-D01AN
	S-NET3		MST-P3P
Interface Device	**External Contact** Interface Module		MIM-B14
	Refrigerant Leak Detect (RLD) Interface Module		MIM-B14A
	ERV Interface Module		MIM-N10
	FCU Interface Module		MIM-F10N
	Modbus Interface module		MIM-B19N
	Thermostat Kit		MIM-A60N
	Pulse Interface Module **(PIM)**		MIM-B16N
	BACnet Gateway		MIM-B17BN
	LonWorks Gateway		MIM-B18BN
Others	**S-Converter**		MIM-C02N
	Internal Comm. Compatibility Interface Module		MIM-N01
	MTFC (Multi Tenant Function Controllser)		MCM-C210N
	Operation Mode Selection Switch		MCM-C200
	WindFree™ RAC communication PBA		MIM-A00N
	WindFree™ RAC communication PBA		MIM-R10*N
	Receiver Kit		MRK-A10N

Compatibility for NASA communication type models

RESIDENTIAL	VRF				MULTI SPLIT	COMMERCIAL			VENTILATION		EHS		CHILLER		
		AHU Kit MCM-D201N* MXD-K****N	ERV Plus	DVM Hydro			AHU Kit	PAC		ERV Kit MXD-K200VN		EHS Kit MIM-E0*		FCU	FCU Kit MIM-F00N
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Controls | Individual Control

Wireless / Wired Remote Controllers

Wireless Remote Controller
Standard with WindFree™

AR-EH03E



- WindFree™ On/Off
- Filter replacement alarm reset
- Simple On/Off timer
- Indoor unit option code setting
- Temperature setting range
  - Auto/Cool/Dry : 18°C (65°F) ~ 30°C (86°F)
  - Heat : 16°C (61°F) ~ 30°C (86°F)
- Direct/Indirect function On/Off
  - Motion Detect Sensor necessary
- Net dimensions (W x H x D): 48 x 138 x 24mm

Wireless Remote Controller
for 360 Cassette

AR-KH03E



- 360 Cassette air flow direction control
- Filter replacement alarm reset
- Simple On/Off timer
- Indoor unit option code setting
- Temperature setting range
  - Auto/Cool/Dry : 18°C (65°F) ~ 30°C (86°F)
  - Heat : 16°C (61°F) ~ 30°C (86°F)
- Direct/Indirect function
- Air Flow Direction Indicator
  - Spot / Mid / Wide / Swing
- Net dimensions (W x H x D): 55 x 166 x 28mm

Wired Remote Controller

MWR-WE13N



- Air conditioner/ERV operation setting (Horizontal air flow, WindFree™)
- LCD Backlight
- Air conditioner/ERV error monitoring
- Air conditioner individual blade control
- Filter cleaning alert/reset alert time
- Air conditioner/ERV interlocking control
- Energy saving control
- Automatic operation stop function
- Weekly operation schedule setting
- Button restriction function
- Built-in room temperature sensor
- Real time clock (Daylight Savings Time)
- Control max. 16 indoor units (Air conditioner + ERV) in group with single wired remote controller
- Net dimensions (W x H x D): 120 x 124 x 19.5mm

Wired Remote Controller
Standard type

MWR-WG00JN



- Full color 4.3" LCD screen
- Easy and Intuitive UI
- LCD Backlight
- Dual Set Point
- Auto Change Over
- Energy Consumption monitoring
- Multiple Language support*
- IR receiver is included
- Daylight Savings Time
- °C / °F Convertible
- Indoor model number display
- Error list display
- Built-in room temperature sensor
- SD slot
- Net dimensions (W x H x D): 120 x 120 x 19mm

* Language support by model

MWR-WG00JN
English
French
Spanish
German
Portuguese
Dutch

Wired Remote Controller
Simple type

MWR-SH00N



- Simplified wired remote controller
- Air conditioner operation On/Off control
- Fan speed control
- Setting operation mode and temperature
- Reset filter cleaning alert indicator
- Adjust air flow direction
- Operation On/Off timer function
- Net dimensions (W x H x D): 75 x 122 x 16.6mm

Wired Remote Controller
Touch Simple type

MWR-SH11N



- Touch screen wired remote controller
- LCD Backlight
- IR receiver is included
- Away function
- Quiet mode, Sleep mode
- Reset filter cleaning alert indicator
- Air conditioner Individual/group control
- Operation On/Off timer function
- WindFree™/Long horizontal wind
- Button locking function
- Eliminate Operation Mode function : Auto/Cool/Dry/Fan/Heat mode
- Built-in room temperature sensor
- °C / °F Convertible
- Relative temperature setting function : -3 ~ +3°C setting
- Control max. 16 indoor units in group with a single wired remote controller
- Net dimensions (W x H x D): 94.2 x 122 x 19.5mm

Wired Remote Controller
for ERV

MWR-VH12N



- ERV only controller
- Operation mode setting
- Fan speed control
- Filter replacement alarm display and reset
- Away mode
- Simple On/Off timer
- Control max. 16 ERV units in group with single wired remote controller
- Net dimensions (W x H x D): 75 x 122 x 16.6mm

Wired Remote Controller
for DVM Chiller

MCM-A00N



- DVM Chiller On/Off control (Module/Group)
- Operation mode, water outlet temperature setting
- Optional operation setting
- Module/Group setting
- Weekly operation schedule setting
- Control max. 16 DVM Chiller units with single wired remote controller
- Support the Daylight Savings Time function
- Net dimensions (W x H x D): 120 x 124 x 19.5mm

Wired Remote Controller
Standard type for EHS

MWR-WW10N



- Full color 4.3" LCD screen
- Easy and Intuitive UI
- 2-Zone Control
- LCD Backlight
- Multiple Language support*
- IR receiver is included
- Daylight Savings Time
- °C / °F Convertible
- Error list display
- Built-in room temperature sensor
- SD slot
- Net dimensions (W x H x D): 120 x 120 x 19mm

* Available languages:
English, German, Spanish, French, Italian and Polish.

Controls | Centralized Control

Centralized Control Systems

On/Off Controller

MCM-A202DN



- Max. 16-group controller (Max. 128 units)
- Whole/Group/Individual indoor unit control (On/Off)
- Restriction on the use of wireless/wired remote controllers and external contact control
- Cooling and heating mode control
- Indoor unit error display
- Net dimensions (W x H x D): 110 x 120 x 55mm

Touch Controller

MCM-A300N



- 7 inch touch LCD controller
- Controls max. 128 indoor units
- Controls max. 12 zones
- Schedule control, Indoor unit usage restriction, View indoor unit error history
- Net dimensions (W x H x D): 205 x 163 x 38mm

Wi-Fi Kit 2.0

MIM-H04N



- Enhanced Convenience
  - Voice Control available through a smartphone with Bixby
  - Connected home with affordable units in every home using SmartThings
  - Welcome cooling and heating based on Geo-fencing
  - Individual indoor unit control
- Personalized Climate Environment
  - Preferred automation
  - Multi-device experience interoperable with smart appliances
- Energy Usage Monitoring
  - Current and daily, weekly or monthly energy usage** of the outdoor unit

** Calculated by Samsung's own algorithm, it cannot be used as a legal basis.

- Provides ease of installation
  - Easy set-up possible for up to 16 indoor units at once
- Net dimensions (W x H x D): 185 x 130 x 29mm

Integrated Control Systems

DMS2.5

MIM-D01AN



- Built-in web server for PC-independent management and remote access control
- Multiple upper-layer control access (S-NET 3, Web-client)
- Weekly/Daily schedule control
- Power distribution function
- Current time management even during power failure (for 24 hours)
- Emergency stop function with simple contact interface
- Individual/Group control of up to 256 indoor units, AHU and ERV
- User editable control logic
- Accessible level management.
- Dynamic security management
- Operation & error history management
- Data storage in non-volatile memory & SD memory
- Net dimensions (W x H x D): 240 x 255 x 65mm

S-NET3

MST-P3P



S-NET 3 is a complex management program that controls and monitors a complete air conditioner network system. The S-NET series provides flexible and complete control for a variety of applications.

- Connect up to 16 DMSs using Ethernet
- Control and Monitoring
- Schedule Control
- Zone Management
- Power Distribution Management
- History Management

Controls | Interface Devices

Module, Application Kit, Gateway

External Contact Interface Module

MIM-B14



The 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-synchronised indoor unit control. The emergency control function features simple contact input. Plus the module generates indoor unit operation/error state output through relay contacts.

- Direct indoor unit control by external contact signal
- Window-synchronised indoor unit control
- Emergency control with simple contact input
- Indoor unit operation/error state output through relay contacts
- Net dimensions (W x H x D): 50 x 80 x 35mm

Refrigerant Leak Detect (RLD) Interface Module

MIM-B14A



The RLD Interface Module is an interface module that has 2 outputs and 1 input. It is mainly applied to the Refrigerant Leak Detector system.

- RLD Interface Module function
  - To send a refrigerant leakage detection signal from a master DDC to an outdoor unit
  - To send a outdoor pump down operation status signal from an outdoor unit to a master DDC
- Net dimensions (W x H x D): 50 x 80 x 35mm

ERV Interface Module

MIM-N10



- Communication interface module between ERV and controller
- Connect 1 ERV interface module to max. 16 ERVs
- Individual control – max. 16 ERVs
- Group control – max. 16 groups
- Supported communication type
  - Conventional communication ERV ⟷ New communication upper level controller
  - New communication ERV ⟷ Conventional communication upper level controller
  - New communication ERV ⟷ New communication upper level controller
- Net dimensions (W x H): 50 x 80mm

FCU Interface Module

MIM-F10N



- Communication interface module between FCU (indoor unit or Kit by Samsung) and Samsung control layer (R1/R2: such as DMS2.5)
- Connect 1 FCU interface module to max. 16 FCUs (indoor unit or Kit by Samsung).
- Net dimensions (W x H): 50 x 80mm

Modbus Interface Module

MIM-B19N



A BMS or 3rd controller can control a Samsung SAC by using the Modbus protocol.

- BMS unit protocol: Modbus RS485 (2 wires, max. 1,000m)
- Unit connection protocol: Samsung Control Layer Protocol (R1/R2)
- Max. No. of connection units: 1 outdoor unit (4 outdoor units including sub units in the case of modular installation) and 48 indoor units
- Modbus interface module address range : up to 247
- Net dimensions (W x H): 50 x 80mm

Thermostat KIT

MIM-A60N

The Thermostat Kit lets you operate a Samsung system air conditioner using a 3rd Party thermostat.

- Compatible products: DVM, CAC, FJM, RAC with NASA communication.
  - Need one Thermostat Kit per indoor unit
- Supply Power: 24VAC
- Controlled mode: Cooling/Heating/FAN/On-Off
- Net dimensions (W x H x D): 130 x 132 x 38mm

* The 3rd party thermostat should be connected to the Thermostat Kit by wires from the Cooling(Y), Heating(W) and Fan(G) terminals.

Pulse Interface Module (PIM)

MIM-B16N



- The Watt-hour Meter Interface Module can be exclusively used for DMS 2.5 power distribution, displaying power consumption for each watt-hour meter.
- Exclusive use for DMS 2.5 power distribution
- Connection with up to 8 watt-hour meters
- Pulse interface with watt-hour meters
- Watt-hour meter - by 3rd party
- Net dimensions (W x H x D): 240 x 255 x 65mm

BACnet Gateway

MIM-B17BN



With the BMS control and monitoring function, the BACnet gateway makes it easy to control the air conditioning network in various ways. The BACnet gateway can control up to 256 indoor units.

- Interface for the BACnet management system
- Maximum 256 indoor units plus ERVs support with a maximum of 80 interface modules
- Includes DMS 2.5 functions
- Net dimensions (W x H x D): 240 x 255 x 65mm

LonWorks Gateway

MIM-B18BN



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

- Exclusive use for DMS 2.5 power distribution
- Connection with up to 8 watt-hour meters
- Pulse interface with watt-hour meters
- Watt-hour meter - by 3rd party
- Net dimensions (W x H x D): 240 x 255 x 65mm

SmartThings

SmartThings

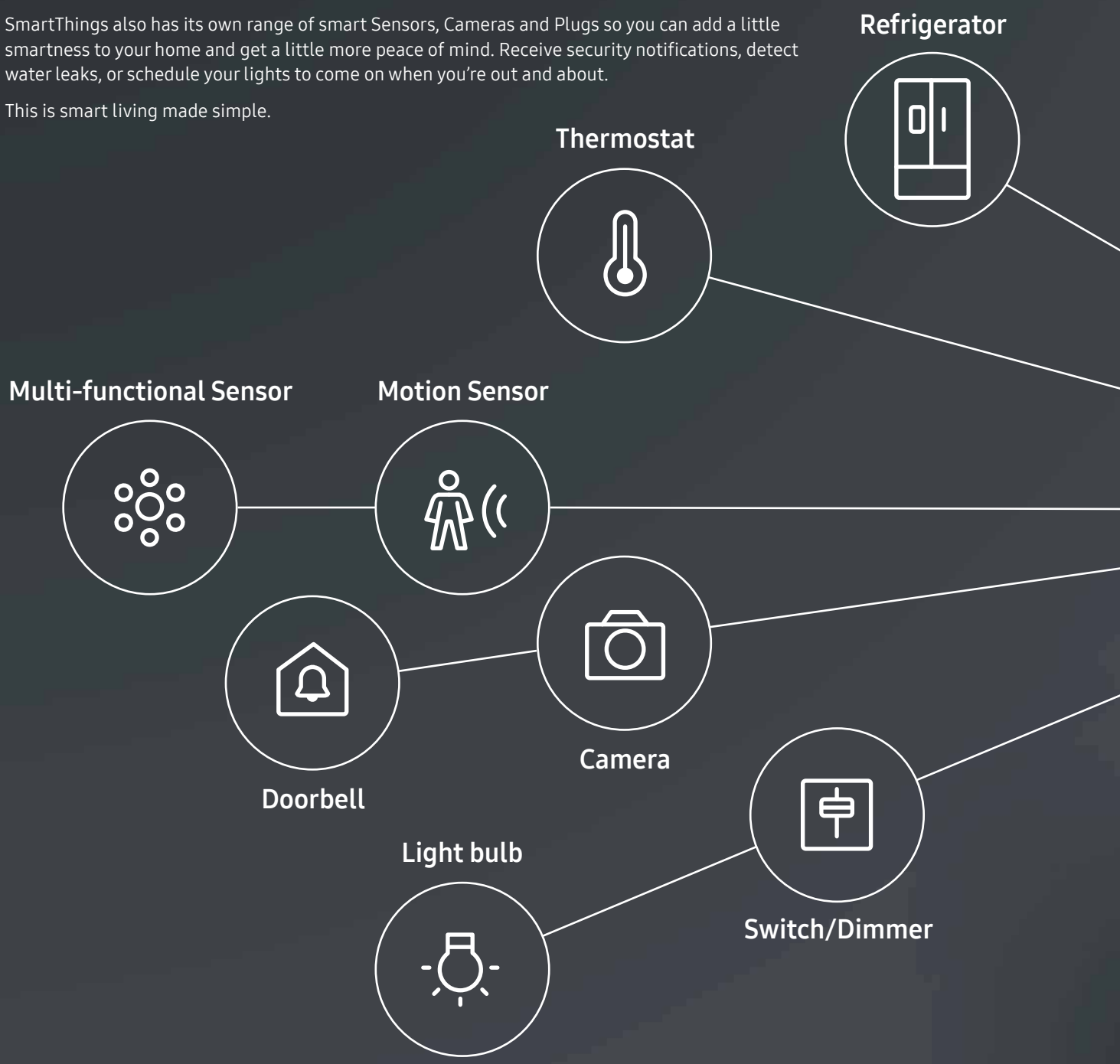
SmartThings helps you get more out of the products in your home, from controlling your lighting, scheduling your laundry or monitoring your home. SmartThings comes built into Samsung's flagship products, and most new products in 2020, meaning you can connect, automate and manage all your Samsung and SmartThings compatible products in one easy-to-use app. Giving you control in or away from the home

The SmartThings platform is open, working with most of the UK's leading smart brands and products to make your life easier, more secure and more entertaining.

Using these devices is simple with a single, easy-to-use App on iOS or Android, or by using any leading voice assistant. However, the platform doesn't compromise on security for openness, using Knox, Samsung's leading highly secure platform to protect your data.

SmartThings also has its own range of smart Sensors, Cameras and Plugs so you can add a little smartness to your home and get a little more peace of mind. Receive security notifications, detect water leaks, or schedule your lights to come on when you're out and about.

This is smart living made simple.




TV & AV
Air Conditioner
Oven
Washer/Dryer
Wi-Fi Hub
Robot Vacuum
Outlet
Lock
My home

b.IoT
Integrated Building Solutions

Today, building management systems are evolving towards optimizing building efficiency and operations. Samsung b.IoT improves property values by providing a comfortable indoor environment and better operational efficiency and realizes optimal building solutions to satisfy a variety of requirements.



b.IoT Enterprise
b.IoT Standard

Integrated Building Solutions

By integrating major equipment in a building, such as mechanical equipment, lighting, and power into one system, Samsung's own air-conditioning and energy saving solutions provide operational convenience and cost reduction.

b.IoT Lite

Centralized VRF Solutions

Optimized for Samsung VRF, the centralized control system reduces heating and cooling costs and provides operational convenience.



Outstanding operational convenience

Integrated BAS

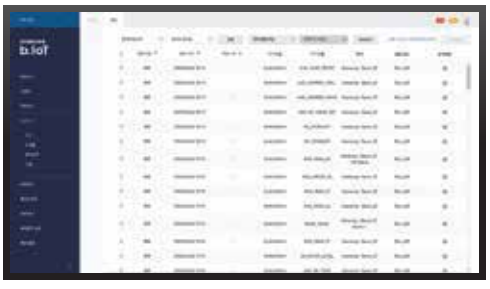


• Extraordinary control screen



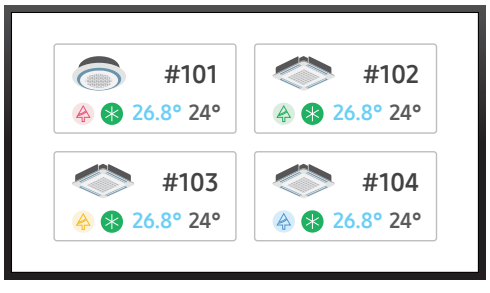
Supports more efficient building operations with a dashboard customized for each user's interest and various types of control screens.

• Operation history management



Offers streamlined operation history management by enabling easy report generation for alarm history output, data trends, and operations.

• Indoor environment monitoring



Enables one to manage indoor air quality by linking the air quality sensors with the Samsung VRF air conditioner panels.

• Remote monitoring/Mobile notifications



Connects to the b.IoT server within the same network in the building. Provides alarm services for device failures, etc., through the mobile messenger app (Telegram).
(External network connection required)

• Control area and authority setting

Manages connected devices by dividing into buildings, floors, and zones. Provides flexible management by setting building control authority for each administrator.

• Third party scalability

Interworks with other upper systems and monitors the state of lower field devices based on BACnet/Modbus/MQTT protocol.
- Supports BACnet Server / Client support. Acquired BTL certification (B-OWS)

b.IoT Cloud
Remote Maintenance Solutions

Today, building management systems are evolving towards optimizing building efficiency and operations. Samsung b.IoT improves property values by providing a comfortable indoor environment and better operational efficiency and realizes optimal building solutions to satisfy a variety of requirements.



b.IoT Cloud

Remote Maintenance Solutions

Provides remote control of Samsung VRFs and air purifiers to help save energy, manage different sites conveniently, and enable efficient maintenance.

Comfort air control and cost reduction

Intelligent Energy Saving

Cost reduction and control specialized for air conditioning

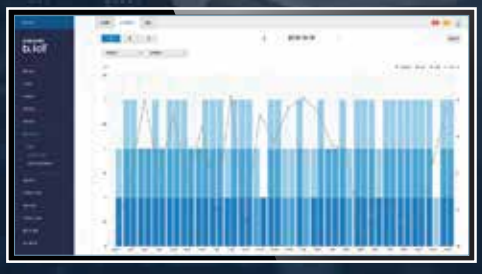
Energy use management

• Energy use management based on goals



Enables one to monitor energy use by device and to easily manage energy use through comparison with the previous month/year and goals.

• Comparison of energy consumption

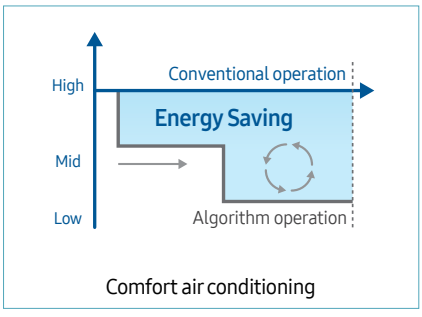


Clearly shows the proportion of power consumption of VRF, lighting, and other devices in the building.

Economical energy use

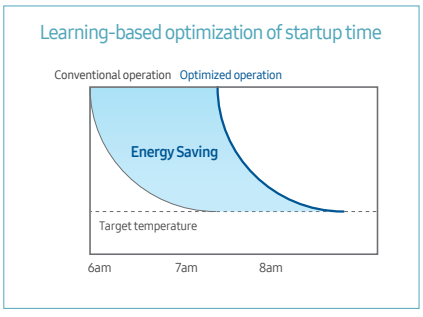
Energy Saving with VRF

• Data-based comfort temperature control



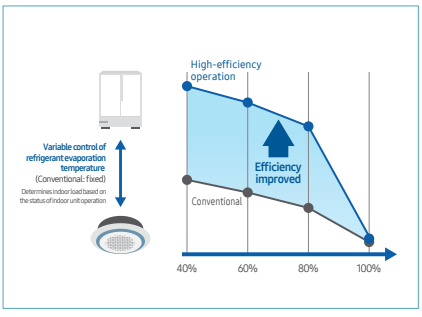
Prevents overcooling / overheating by calculating proper temperatures considering climate and human factors. (clothing, activity, etc.)

• Learning-based power saving control for precooling and preheating



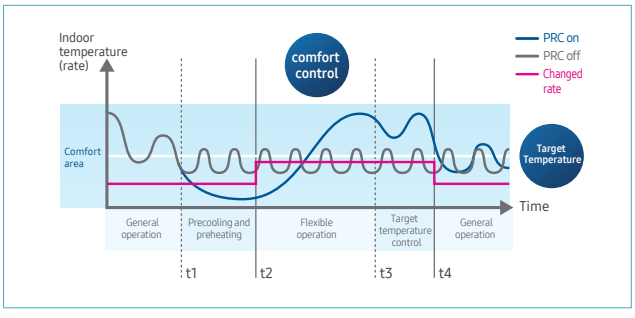
Saves energy by predicting the time to reach the target temperature based on data on temperature changes and air conditioning setting.

• Efficient outdoor unit operations



Improves the operation efficiency of air conditioners by controlling outdoor units' refrigerant evaporation temperature and compressor current according to the indoor load.

• Control in response to variable rate plans



Reduces energy consumption and operating costs by controlling indoor temperature and outdoor unit performance to respond to the time-varying rate system.

• Detection of inefficient operations



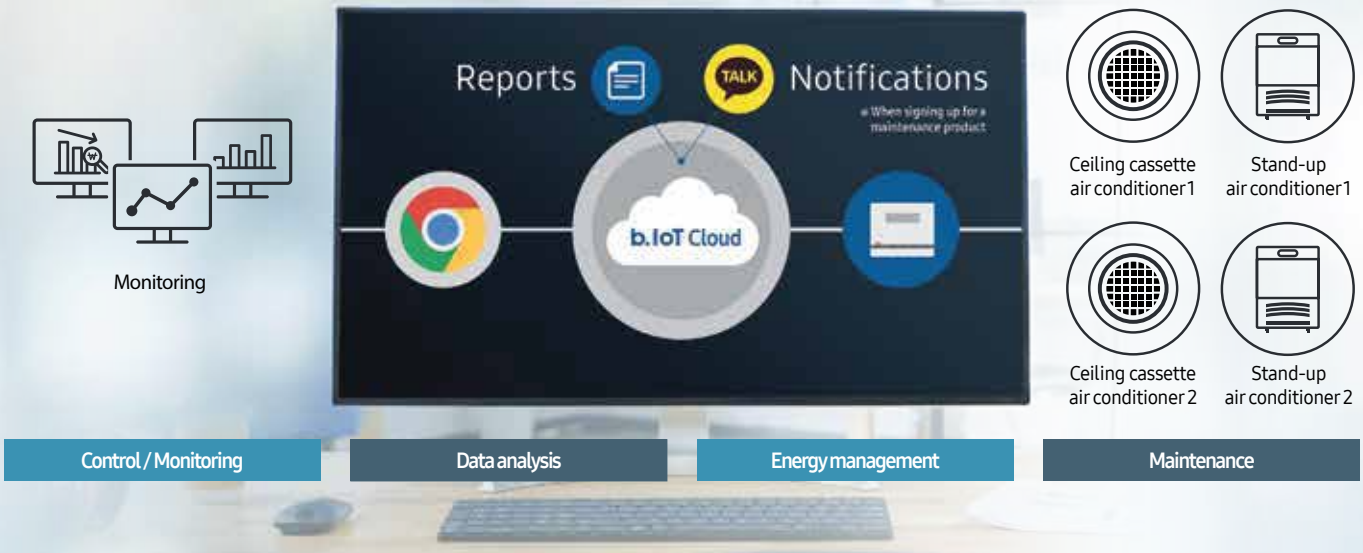
- **Leak detection by space**
  Detects heat leaks in a space by analyzing the temperature change characteristics of each space (e.g., opening a window or door)
- **Leak detection by time**
  Detects long-time or out-of-hours operations by indoor unit
- **Set temperature management**
  Detects abnormal/inefficient set temperature

Detects easy-to-miss inefficient operations during use and management based on real-time data analysis and provides corrective actions.

- Images and graphs in this brochure are to assist in consumers' understanding.

Convenient management regardless of time and place

Remote Equipment Control



• Customized dashboard



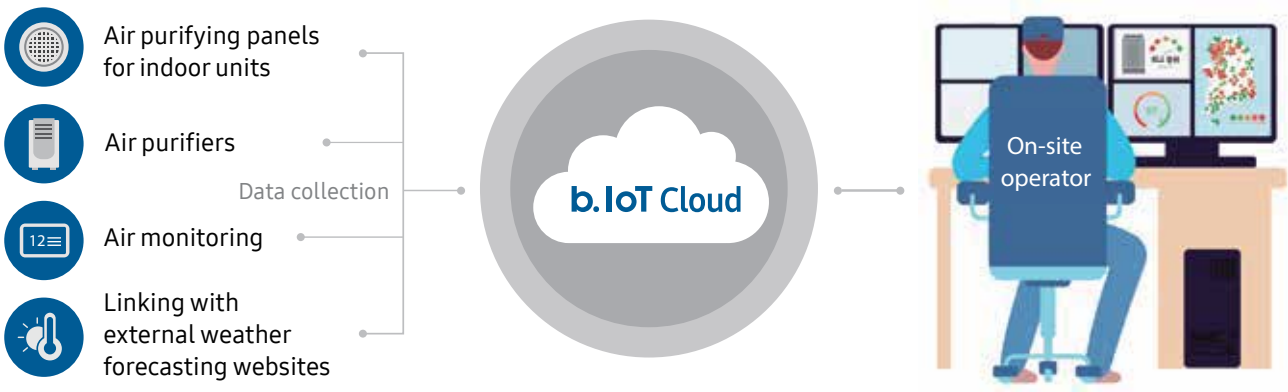
The intuitive and convenient dashboard is customized for user interests.

• Multi-site management



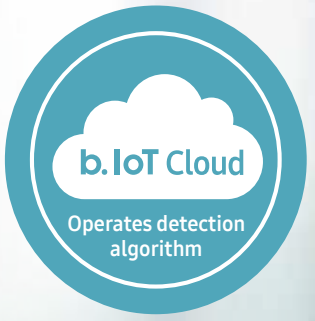
Provides efficient management for each group with integrated management of multiple sites based on Map View.

• Indoor air quality management



Personalized and Efficient

Maintenance Services



Pre-detection of VRF failure

Determines whether maintenance is required



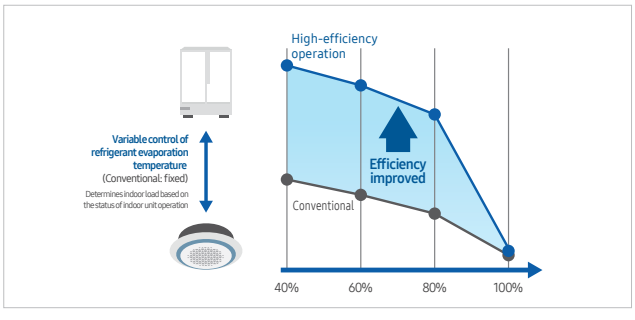
Regular reports

Customized response services

Economical management

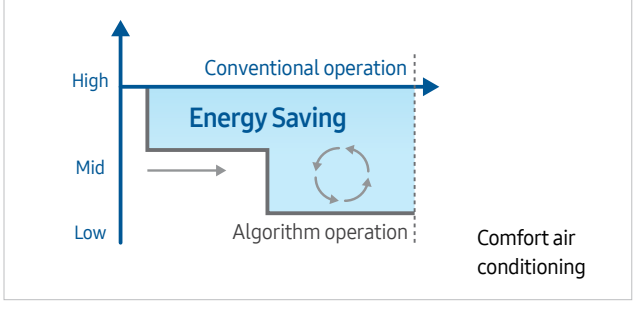
Energy Saving with VRF

• Efficient outdoor unit operations



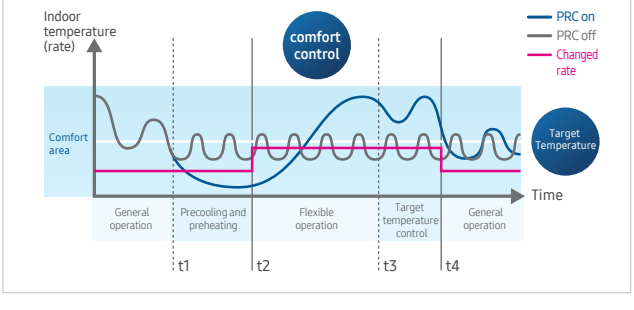
Improves the operation efficiency of air conditioners by controlling outdoor units' refrigerant evaporation temperature and compressor current according to the indoor load.

• Data-based comfort temperature control



Prevents overcooling/overheating by calculating proper temperatures considering climate and human factors.
(clothing, activity, etc.)

• Control in response to variable rate plans



Reduces energy consumption and operating costs by controlling indoor temperature and outdoor unit performance to respond to the time-varying rate system.

• Detection of inefficient operations



Detects easy-to-miss inefficient operations during use and management based on real-time data analysis and provides corrective actions.

- Images and graphs in this brochure are to assist in consumers' understanding.

Accessories



Small things that makes big difference. Simply customize, optimize and service your systems.

Samsung's range of Climate System accessories can ensure that your air conditioning systems work much more efficiently and effectively – with functional and design upgrades, as well as system customization and expansions. And a choice of modular parts simplify the process of installation and servicing – making life much easier.

Accessories | Line-up

Optional Equipment / Kit

Classification	Image	Model	Application
Drain Pump		MDP-E075SEE3D	Slim Duct (2.0 ~ 14.0kW)
		MDP-M075SGU1D	MSP Duct (9.0kW, 11.2kW)
		MDP-M075SGU2D	OAP (14.0kW)
		MDP-M075SGU3D	MSP Duct (5.6kW, 7.1kW)
		MDP-N047SNC1D	HSP Duct (28.0kW)
		MDP-G075SQ	HSP Duct, Internal type (18.0kW, 22.4kW)
		MDP-G075SP	HSP Duct, OAP External type (18.0kW, 22.4kW, 28.0kW)
AHU Kit		MXD-K025AN	7.0 ~ 8.75kW AHU
		MXD-K050AN	14.0 ~ 17.5kW AHU
		MXD-K075AN	21.0 ~ 26.25kW AHU
		MXD-K100AN	28.0 ~ 35.0kW AHU
		MXD-A64K100E	AHU EEV Kit (10HP)
		MCM-D201N	Control Kit (PBA, 10 ~ 40HP)

Classification	Image	Model	Application
Motion Detect Sensor		MCR-SMA	4Way 600x600
		MCR-SMC	WindFree™ 4Way
		MCR-SMD	WindFree™ 4Way 600x600
Heat Recovery Changer		MCU-R4NEK0N	
		MCU-S6NEK3N	
MCU		MCU-S6NEK2N	6 Ports, Max. 61.6kW (~ 16kW / 1 Port)
		MCU-S4NEK3N	4 Ports, Max. 61.6kW (~ 16kW / 1 Port)
		MCU-S2NEK2N	2 Ports, Max. 32.0kW (~ 16kW / 1 Port)
		MCU-S1NEK1N	1 Port, Max. 61.6kW (~ 16kW / 1 Port)
EEV Kit		MXD-E24K132A	2 Indoor Units
		MXD-E24K200A	
		MXD-E32K200A	
		MXD-E24K232A	3 Indoor Units
		MXD-E24K300A	
		MXD-E32K224A	
		MXD-E32K300A	
		MEV-E24SA	1 Indoor Unit
		MEV-E32SA	
PDM (Pressure Drop Modulation) Kit		MXD-A38K2A	8 ~ 12HP
		MXD-A12K2A	14 ~ 16HP
		MXD-A58K2A	18 ~ 26HP
Distribution Header		MXJ-HA2512M	45.0kW and below (for 4 Rooms)
		MXJ-HA3115M	70.3kW and below (for 8 Rooms)
		MXJ-HA3819M	Over 70.3kW ~ 135.2kW and below (for 8 Rooms)

Accessories | Line-up

Front Panels for Cassette type Indoor Units

Classification	Image	Model	Application
360 Cassette Front Panel		PC4NUDMAN	NASA, Square
		PC4NBDMAN	NASA, Square - Black
		PC4NUNMAN	NASA, Circle (Exposed installation)
		PC4NBNMAN	NASA, Circle (Exposed installation) - Black
WindFree™ 4Way Front Panel		PC4NUFMAN	WindFree™ 4Way
4Way Front Panel		PC4NUSKAN	4Way - Waffle
		PC4NUSKEN	4Way - Classic
		PC4NBSKAN	4Way - Black
WindFree™ 4Way 600x600 Front Panel		PC4SUFMAN	WindFree™ 4Way 600x600
WindFree™ 1Way Front Panel		PC1NWFMAN	WindFree™ 1Way
		PC1MWFMAN	WindFree™ 1Way
		PC1BWFMAN	WindFree™ 1Way
2Way Front Panel		PC2NWSMEN	2Way

Joints

Classification	Image	Model	Application
Y-Joint		MXJ-YA1509M	15.0kW and below
		MXJ-YA2512M	Over 15.0kW ~ 40.0kW and below
		MXJ-YA2812M	Over 40.0kW ~ 45.0kW and below
		MXJ-YA2815M	Over 45.0kW ~ 70.3kW and below
		MXJ-YA3419M	Over 70.3kW ~ 98.4kW and below
		MXJ-YA4119M	Over 98.4kW ~ 135.2kW and below
		MXJ-YA4422M	Over 135.2kW
Y-Joint (HR Only)		MXJ-YA1500M	22.4kW and below
		MXJ-YA2500M	Over 22.4kW ~ 70.3kW and below
		MXJ-YA3100M	Over 70.3kW ~ 135.2kW and below
		MXJ-YA3800M	Over 135.2kW
Y-Joint (Outdoor Unit)		MXJ-TA3419M	135.2kW and below
		MXJ-TA3819M	
		MXJ-TA4122M	140.2kW and below
		MXJ-TA4422M	
Y-Joint (HR Outdoor Unit)		MXJ-TA3100M	135.2kW and below
		MXJ-TA4122M	140.2kW and over

Outdoor Unit Specification

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz



				AM080AXVANC/EA	AM100AXVANC/EA	AM120AXVANC/EA	AM140AXVANC/EA
Model Name	Outdoor unit module 1			-	-	-	-
	Outdoor unit module 2			-	-	-	-
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	8	10	12	14
	Cooling Capacity		kW	22.4	28.0	33.6	40.0
			Btu/hr	76,400	95,500	114,600	136,500
Total capacity of the connected Indoor Units		Min.	kW	11.2	14.0	16.8	20.0
		Max.	kW	29.1	36.4	43.7	52.0
Power	Power Input	Cooling	kW	4.84	6.29	8.77	10.68
	Current Input	Cooling	A	7.60	9.90	13.80	16.80
	Current	MCA	A	19.0	23.0	26.0	29.0
		MFA	A	25	32	32	32
Efficiency	COP	Cooling	W/W	4.63	4.45	3.83	3.75
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1
	Output		kW x n	4.39 x 1	6.67 x 1	6.67 x 1	6.67 x 1
Fan	Quantity		EA	1	1	1	1
	Air Flow Rate		m^3/min	174	188	205	201
			l/s	2,906	3,138	3,425	3,346
	External Static Pressure	Max.	mmAq	11	11	8	8
			Pa	110	110	80	80
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)
	Gas Pipe (OD)		Φ, mm (inch)	19.05 (3/4)	22.22 (7/8)	28.58 (1-1/8)	28.58 (1-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	5.5	5.5	6.2	7.0
Sound	Sound Pressure	Cooling	dB(A)	55.0	56.0	60.0	63.0
External Dimension	Net Weight		kg	173	183	186	202
	Shipping Weight		kg	187	197	200	216
	Net Dimensions (WxHxD)		mm	930 x 1,695 x 765	930 x 1,695 x 765	930 x 1,695 x 765	930 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	998 x 1,887 x 829	998 x 1,887 x 829	998 x 1,887 x 829	998 x 1,887 x 829
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter.

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz



					AM160AXVANC/EA	AM180AXVANC/EA	AM200AXVANC/EA	AM220AXVANC/EA
Model Name	Outdoor unit module 1				-	-	-	-
	Outdoor unit module 2				-	-	-	-
	Outdoor unit module 3				-	-	-	-
	Outdoor unit module 4				-	-	-	-
Power Supply				Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP			HP	16	18	20	22
	Cooling Capacity			kW	45.0	50.4	56.0	61.6
				Btu/hr	153,500	172,000	191,000	210,200
Total capacity of the connected Indoor Units		Min.		kW	22.5	25.2	28.0	30.8
		Max.		kW	58.5	65.5	72.8	80.1
Power	Power Input	Cooling		kW	11.50	13.94	12.18	16.20
	Current Input	Cooling		A	18.00	21.70	19.60	26.20
	Current	MCA		A	34.0	39.2	43.0	44.6
		MFA		A	40	50	50	50
Efficiency	COP	Cooling		W/W	3.91	3.62	4.60	3.80
Casing	Material	Body		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al	Al	Al
		Tube		-	Cu	Cu	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type			-	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 2
	Output			kW x n	8.93 x 1	8.93 x 1	8.93 x 1	6.67 x 2
Fan	Quantity			EA	2	2	2	2
	Air Flow Rate			m^3/min	293	313	342	330
				l/s	4,880	5,217	5,699	5,504
	External Static Pressure	Max.		mmAq	11	11	11	11
				Pa	110	110	110	110
Piping Connections	Liquid Pipe (OD)			Φ, mm (inch)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe (OD)			Φ, mm (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	8.0	8.0	10.5	10.5
Sound	Sound Pressure	Cooling		dB(A)	59	59	61	64
External Dimension	Net Weight			kg	237	237	264	298
	Shipping Weight			kg	254	254	281	315
	Net Dimensions (WxHxD)			mm	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
	Shipping Dimensions (WxHxD)			mm	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829
Operating Temp. Range	Cooling			°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating			°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz



					AM240AXVANC/EA	AM260AXVANC/EA	AM280AXVANC/EA	AM300AXVANC/EA
Model Name	Outdoor unit module 1				-	-	-	-
	Outdoor unit module 2				-	-	-	-
	Outdoor unit module 3				-	-	-	-
	Outdoor unit module 4				-	-	-	-
Power Supply				Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP			HP	24	26	28	30
	Cooling Capacity			kW	67.2	72.8	78.6	84.0
				Btu/hr	229,300	248,400	268,200	286,600
Total capacity of the connected Indoor Units		Min.		kW	33.6	36.4	39.3	42.0
		Max.		kW	87.4	94.6	102.2	109.2
Power	Power Input	Cooling		kW	16.80	18.86	23.93	26.84
	Current Input	Cooling		A	26.40	30.00	38.00	42.10
	Current	MCA		A	55.0	60.0	61.0	68.6
		MFA		A	63	75	75	75
Efficiency	COP	Cooling		W/W	4.00	3.86	3.28	3.13
Casing	Material	Body		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al	Al	Al
		Tube		-	Cu	Cu	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type			-	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2
	Output			kW x n	6.67 x 2	6.67 x 2	6.67 x 2	8.93 x 2
Fan	Quantity			EA	2	2	2	2
	Air Flow Rate			m^3/min	344	353	353	353
				l/s	5,741	5,882	5,882	5,882
	External Static Pressure	Max.		mmAq	8	8	8	8
				Pa	80	80	80	80
Piping Connections	Liquid Pipe (OD)			Φ, mm (inch)	15.88 (5/8)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)			Φ, mm (inch)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	11.0	11.0	11.0	11.0
Sound	Sound Pressure	Cooling		dB(A)	65	65	65	65
External Dimension	Net Weight			kg	310	310	310	322
	Shipping Weight			kg	327	327	327	339
	Net Dimensions (WxHxD)			mm	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
	Shipping Dimensions (WxHxD)			mm	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829
Operating Temp. Range	Cooling			°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating			°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz





				AM320AXVANC/EA	AM340AXVANC/EA	AM360AXVANC/EA	AM380AXVANC/EA
Model Name	Outdoor unit module 1			-	-	AM080AXVANC/EA	AM100AXVANC/EA
	Outdoor unit module 2			-	-	AM280AXVANC/EA	AM280AXVANC/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	32	34	36	38
	Cooling Capacity		kW	89.6	95.2	101.0	106.6
			Btu/hr	305,700	324,800	344,600	363,700
Total capacity of the connected Indoor Units		Min.	kW	44.8	47.6	50.5	53.3
		Max.	kW	116.5	123.8	131.3	138.6
Power	Power Input	Cooling	kW	27.57	31.73	28.77	30.22
	Current Input	Cooling	A	43.40	49.90	45.60	47.90
	Current	MCA	A	68.6	73.0	80.0	84.0
		MFA	A	75	80	100	100
Efficiency	COP	Cooling	W/W	3.25	3.00	3.51	3.53
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 3	Inverter Scroll x 3
	Output		kW x n	8.93 x 2	8.93 x 2	(4.39 x 1) x 1 + (6.67 x 2) x 1	(6.67 x 1) x 1 + (6.67 x 2) x 1
Fan	Quantity		EA	2	2	3	3
	Air Flow Rate		m^3/min	412	412	174 x 1 + 353 x 1	188 x 1 + 353 x 1
			l/s	6,860	6,860	2,906 x 1 + 5,882 x 1	3,138 x 1 + 5,882 x 1
	External Static Pressure	Max.	mmAq	8	8	-	-
			Pa	80	80	-	-
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, mm (inch)	34.92 (1-3/8)	34.92 (1-3/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	12.5	12.5	5.5 x 1 + 11.0 x 1	5.5 x 1 + 11.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	65	66	65	66
External Dimension	Net Weight		kg	375	375	173 x 1 + 310 x 1	183 x 1 + 310 x 1
	Shipping Weight		kg	401	401	187 x 1 + 327 x 1	197 x 1 + 327 x 1
	Net Dimensions (WxHxD)		mm	1,860 x 1,695 x 765	1,860 x 1,695 x 765	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	1,928 x 1,887 x 829	1,928 x 1,887 x 829	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz





				AM400AXVANC/EA	AM420AXVANC/EA	AM440AXVANC/EA	AM460AXVANC/EA
Model Name	Outdoor unit module 1			AM120AXVANC/EA	AM140AXVANC/EA	AM160AXVANC/EA	AM180AXVANC/EA
	Outdoor unit module 2			AM280AXVANC/EA	AM280AXVANC/EA	AM280AXVANC/EA	AM280AXVANC/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	40	42	44	46
	Cooling Capacity		kW	112.2	118.6	123.6	129.0
			Btu/hr	382,800	404,700	421,700	440,100
Total capacity of the connected Indoor Units		Min.	kW	56.1	59.3	61.8	64.5
		Max.	kW	145.9	154.2	160.7	167.7
Power	Power Input	Cooling	kW	32.70	34.61	35.43	37.87
	Current Input	Cooling	A	51.80	54.80	56.00	59.70
	Current	MCA	A	87.0	90.0	95.0	100.2
		MFA	A	100	100	125	125
Efficiency	COP	Cooling	W/W	3.43	3.43	3.49	3.41
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 3
	Output		kW x n	(6.67 x 1) x 1 + (6.67 x 2) x 1	(6.67 x 1) x 1 + (6.67 x 2) x 1	(8.93 x 1) x 1 + (6.67 x 2) x 1	(8.93 x 1) x 1 + (6.67 x 2) x 1
Fan	Quantity		EA	3	3	4	4
	Air Flow Rate		m^3/min	205 x 1 + 353 x 1	201 x 1 + 353 x 1	293 x 1 + 353 x 1	313 x 1 + 353 x 1
			l/s	3,425 x 1 + 5,882 x 1	3,346 x 1 + 5,882 x 1	4,880 x 1 + 5,882 x 1	5,217 x 1 + 5,882 x 1
	External Static Pressure	Max.	mmAq	-	-	-	-
			Pa	-	-	-	-
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	6.2 x 1 + 11.0 x 1	7.0 x 1 + 11.0 x 1	8.0 x 1 + 11.0 x 1	8.0 x 1 + 11.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	66	67	66	66
External Dimension	Net Weight		kg	186 x 1 + 310 x 1	202 x 1 + 310 x 1	237 x 1 + 310 x 1	237 x 1 + 310 x 1
	Shipping Weight		kg	200 x 1 + 327 x 1	216 x 1 + 327 x 1	254 x 1 + 327 x 1	254 x 1 + 327 x 1
	Net Dimensions (WxHxD)		mm	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz



Model Name				AM480AXVANC/EA	AM500AXVANC/EA	AM520AXVANC/EA	AM540AXVANC/EA
	Outdoor unit module 1			AM200AXVANC/EA	AM220AXVANC/EA	AM240AXVANC/EA	AM260AXVANC/EA
	Outdoor unit module 2			AM280AXVANC/EA	AM280AXVANC/EA	AM280AXVANC/EA	AM280AXVANC/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	48	50	52	54
	Cooling Capacity		kW	134.6	140.2	145.8	151.4
			Btu/hr	459,200	478,300	497,500	516,600
Total capacity of the connected Indoor Units		Min.	kW	67.3	70.1	72.9	75.7
		Max.	kW	175.0	182.3	189.5	196.8
Power	Power Input	Cooling	kW	36.11	40.13	40.73	42.79
	Current Input	Cooling	A	57.60	64.20	64.40	68.00
	Current	MCA	A	104.0	105.6	116.0	121.0
		MFA	A	125	125	150	150
Efficiency	COP	Cooling	W/W	3.73	3.49	3.58	3.54
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 3	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4
	Output		kW x n	(8.93 x 1) x 1 + (6.67 x 2) x 1	(6.67 x 2) x 2	(6.67 x 2) x 2	(6.67 x 2) x 2
Fan	Quantity		EA	4	4	4	4
	Air Flow Rate		m^3/min	342 x 1 + 353 x 1	330 x 1 + 353 x 1	344 x 1 + 353 x 1	353 x 2
			l/s	5,699 x 1 + 5,882 x 1	5,504 x 1 + 5,882 x 1	5,741 x 1 + 5,882 x 1	5,882 x 2
	External Static Pressure	Max.	mmAq	-	-	-	-
			Pa	-	-	-	-
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	10.5 x 1 + 11.0 x 1	10.5 x 1 + 11.0 x 1	11.0 x 2	11.0 x 2
Sound	Sound Pressure	Cooling	dB(A)	66	68	68	68
External Dimension	Net Weight		kg	264 x 1 + 310 x 1	298 x 1 + 310 x 1	310 x 2	310 x 2
	Shipping Weight		kg	281 x 1 + 327 x 1	315 x 1 + 327 x 1	327 x 2	327 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz





				AM560AXVANC/EA	AM580AXVANC/EA	AM600AXVANC/EA	AM620AXVANC/EA
Model Name	Outdoor unit module 1			AM280AXVANC/EA	AM240AXVANC/EA	AM260AXVANC/EA	AM280AXVANC/EA
	Outdoor unit module 2			AM280AXVANC/EA	AM340AXVANC/EA	AM340AXVANC/EA	AM340AXVANC/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	56	58	60	62
	Cooling Capacity		kW	157.2	162.4	168.0	173.8
			Btu/hr	536,400	554,100	573,200	593,000
Total capacity of the connected Indoor Units		Min.	kW	78.6	81.2	84.0	86.9
		Max.	kW	204.4	211.1	218.4	225.9
Power	Power Input	Cooling	kW	47.86	48.53	50.59	55.66
	Current Input	Cooling	A	76.00	76.30	79.90	87.90
	Current	MCA	A	122.0	128.0	133.0	134.0
		MFA	A	150	150	150	150
Efficiency	COP	Cooling	W/W	3.28	3.35	3.32	3.12
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4
	Output		kW x n	(6.67 x 2) x 2	(6.67 x 2) x 1 + (8.93 x 2) x 1	(6.67 x 2) x 1 + (8.93 x 2) x 1	(6.67 x 2) x 1 + (8.93 x 2) x 1
Fan	Quantity		EA	4	4	4	4
	Air Flow Rate		m^3/min	353 x 2	344 x 1 + 412 x 1	353 x 1 + 412 x 1	353 x 1 + 412 x 1
			l/s	5,882 x 2	5,741 x 1 + 6,860 x 1	5,882 x 1 + 6,860 x 1	5,882 x 1 + 6,860 x 1
	External Static Pressure	Max.	mmAq	-	-	-	-
			Pa	-	-	-	-
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	22.22 (7/8)
	Gas Pipe (OD)		Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	11.0 x 2	11.0 x 1 + 12.5 x 1	11.0 x 1 + 12.5 x 1	11.0 x 1 + 12.5 x 1
Sound	Sound Pressure	Cooling	dB(A)	68	69	69	69
External Dimension	Net Weight		kg	310 x 2	310 x 1 + 375 x 1	310 x 1 + 375 x 1	310 x 1 + 375 x 1
	Shipping Weight		kg	327 x 2	327 x 1 + 401 x 1	327 x 1 + 401 x 1	327 x 1 + 401 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz





				AM640AXVANC/EA	AM660AXVANC/EA	AM680AXVANC/EA	AM700AXVANC/EA
Model Name	Outdoor unit module 1			AM300AXVANC/EA	AM320AXVANC/EA	AM340AXVANC/EA	AM140AXVANC/EA
	Outdoor unit module 2			AM340AXVANC/EA	AM340AXVANC/EA	AM340AXVANC/EA	AM280AXVANC/EA
	Outdoor unit module 3			-	-	-	AM280AXVANC/EA
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	64	66	68	70
	Cooling Capacity		kW	179.2	184.8	190.4	197.2
			Btu/hr	611,400	630,500	649,600	672,800
Total capacity of the connected Indoor Units		Min.	kW	89.6	92.4	95.2	98.6
		Max.	kW	233.0	240.2	247.5	256.4
Power	Power Input	Cooling	kW	58.57	59.30	63.46	58.54
	Current Input	Cooling	A	92.00	93.30	99.80	92.80
	Current	MCA	A	141.6	141.6	146.0	151.0
		MFA	A	175	175	175	175
Efficiency	COP	Cooling	W/W	3.06	3.12	3.00	3.37
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 5
	Output		kW x n	(8.93 x 2) x 2	(8.93 x 2) x 2	(8.93 x 2) x 2	(6.67 x 1) x 1 + (6.67 x 2) x 2
Fan	Quantity		EA	4	4	4	5
	Air Flow Rate		m^3/min	353 x 1 + 412 x 1	412 x 2	412 x 2	201 x 1 + 353 x 2
			l/s	5,882 x 1 + 6,860 x 1	6,860 x 2	6,860 x 2	3,346 x 1 + 5,882 x 2
	External Static Pressure	Max.	mmAq	-	-	-	-
			Pa	-	-	-	-
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)		Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	11.0 x 1 + 12.5 x 1	12.5 x 2	12.5 x 2	7.0 x 1 + 11.0 x 2
Sound	Sound Pressure	Cooling	dB(A)	69	69	69	69
External Dimension	Net Weight		kg	322 x 1 + 375 x 1	375 x 2	375 x 2	202 x 1 + 310 x 2
	Shipping Weight		kg	339 x 1 + 401 x 1	401 x 2	401 x 2	216 x 1 + 327 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1	(1,860 x 1,695 x 765) x 2	(1,860 x 1,695 x 765) x 2	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1	(1,928 x 1,887 x 829) x 2	(1,928 x 1,887 x 829) x 2	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz



				AM720AXVANC/EA	AM740AXVANC/EA	AM760AXVANC/EA	AM780AXVANC/EA
Model Name	Outdoor unit module 1			AM160AXVANC/EA	AM180AXVANC/EA	AM200AXVANC/EA	AM220AXVANC/EA
	Outdoor unit module 2			AM280AXVANC/EA	AM280AXVANC/EA	AM280AXVANC/EA	AM280AXVANC/EA
	Outdoor unit module 3			AM280AXVANC/EA	AM280AXVANC/EA	AM280AXVANC/EA	AM280AXVANC/EA
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	72	74	76	78
	Cooling Capacity		kW	202.2	207.6	213.2	218.8
			Btu/hr	689,900	708,300	727,400	746,500
Total capacity of the connected Indoor Units		Min.	kW	101.1	103.8	106.6	109.4
		Max.	kW	262.9	269.9	277.2	284.4
Power	Power Input	Cooling	kW	59.36	61.80	60.04	64.06
	Current Input	Cooling	A	94.00	97.70	95.60	102.20
	Current	MCA	A	156.0	161.2	165.0	166.6
		MFA	A	175	200	200	200
Efficiency	COP	Cooling	W/W	3.41	3.36	3.55	3.42
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 5	Inverter Scroll x 5	Inverter Scroll x 5	Inverter Scroll x 6
	Output		kW x n	(8.93 x 1) x 1 + (6.67 x 2) x 2	(8.93 x 1) x 1 + (6.67 x 2) x 2	(8.93 x 1) x 1 + (6.67 x 2) x 2	(6.67 x 2) x 3
Fan	Quantity		EA	6	6	6	6
	Air Flow Rate		m^3/min	293 x 1 + 353 x 2	313 x 1 + 353 x 2	342 x 1 + 353 x 2	330 x 1 + 353 x 2
			l/s	4,880 x 1 + 5,882 x 2	5,217 x 1 + 5,882 x 2	5,699 x 1 + 5,882 x 2	5,504 x 1 + 5,882 x 2
	External Static Pressure	Max.	mmAq	-	-	-	-
			Pa	-	-	-	-
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)		Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	8.0 x 1 + 11.0 x 2	8.0 x 1 + 11.0 x 2	10.5 x 1 + 11.0 x 2	10.5 x 1 + 11.0 x 2
Sound	Sound Pressure	Cooling	dB(A)	69	69	69	69
External Dimension	Net Weight		kg	237 x 1 + 310 x 2	237 x 1 + 310 x 2	264 x 1 + 310 x 2	298 x 1 + 310 x 2
	Shipping Weight		kg	254 x 1 + 327 x 2	254 x 1 + 327 x 2	281 x 1 + 327 x 2	315 x 1 + 327 x 2
	Net Dimensions (WxHxD)		mm	(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
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
 - Equivalent refrigerant pipe length 5m, Level differences 0m
 - Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
 (If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
 - PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
 - MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz





					AM800AXVANC/EA	AM820AXVANC/EA	AM840AXVANC/EA	AM860AXVANC/EA
Model Name	Outdoor unit module 1				AM240AXVANC/EA	AM260AXVANC/EA	AM280AXVANC/EA	AM180AXVANC/EA
	Outdoor unit module 2				AM280AXVANC/EA	AM280AXVANC/EA	AM280AXVANC/EA	AM340AXVANC/EA
	Outdoor unit module 3				AM280AXVANC/EA	AM280AXVANC/EA	AM280AXVANC/EA	AM340AXVANC/EA
	Outdoor unit module 4				-	-	-	-
Power Supply				Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP			HP	80	82	84	86
	Cooling Capacity			kW	224.4	230.0	235.8	240.8
				Btu/hr	765,600	784,800	804,500	821,600
Total capacity of the connected Indoor Units		Min.		kW	112.2	115.0	117.9	120.4
		Max.		kW	291.7	299.0	306.5	313.0
Power	Power Input	Cooling		kW	64.66	66.72	71.79	77.40
	Current Input	Cooling		A	102.40	106.00	114.00	121.50
	Current	MCA		A	177.0	182.0	183.0	185.2
		MFA		A	200	200	225	225
Efficiency	COP	Cooling		W/W	3.47	3.45	3.28	3.11
Casing	Material	Body		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al	Al	Al
		Tube		-	Cu	Cu	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type			-	Inverter Scroll x 6	Inverter Scroll x 6	Inverter Scroll x 6	Inverter Scroll x 5
	Output			kW x n	(6.67 x 2) x 3	(6.67 x 2) x 3	(6.67 x 2) x 3	(8.93 x 1) x 1 + (8.93 x 2) x 2
Fan	Quantity			EA	6	6	6	6
	Air Flow Rate			m^3/min	344 x 1 + 353 x 2	353 x 3	353 x 3	313 x 1 + 412 x 2
				l/s	5,741 x 1 + 5,882 x 2	5,882 x 3	5,882 x 3	5,217 x 1 + 6,860 x 2
	External Static Pressure	Max.		mmAq	-	-	-	-
				Pa	-	-	-	-
Piping Connections	Liquid Pipe (OD)			Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)			Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	11.0 x 3	11.0 x 3	11.0 x 3	8.0 x 1 + 12.5 x 2
Sound	Sound Pressure	Cooling		dB(A)	70	70	70	69
External Dimension	Net Weight			kg	310 x 3	310 x 3	310 x 3	237 x 1 + 375 x 2
	Shipping Weight			kg	327 x 3	327 x 3	327 x 3	254 x 1 + 401 x 2
	Net Dimensions (WxHxD)			mm	(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 1 + (1,860 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)			mm	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 2
Operating Temp. Range	Cooling			°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating			°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz



				AM880AXVANC/EA	AM900AXVANC/EA	AM920AXVANC/EA	AM940AXVANC/EA
Model Name	Outdoor unit module 1			AM200AXVANC/EA	AM220AXVANC/EA	AM240AXVANC/EA	AM260AXVANC/EA
	Outdoor unit module 2			AM340AXVANC/EA	AM340AXVANC/EA	AM340AXVANC/EA	AM340AXVANC/EA
	Outdoor unit module 3			AM340AXVANC/EA	AM340AXVANC/EA	AM340AXVANC/EA	AM340AXVANC/EA
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	88	90	92	94
	Cooling Capacity		kW	246.4	252.0	257.6	263.2
			Btu/hr	840,700	859,800	878,900	898,000
Total capacity of the connected Indoor Units		Min.	kW	123.2	126.0	128.8	131.6
		Max.	kW	320.3	327.6	334.9	342.2
Power	Power Input	Cooling	kW	75.64	79.66	80.26	82.32
	Current Input	Cooling	A	119.40	126.00	126.20	129.80
	Current	MCA	A	189.0	190.6	201.0	206.0
		MFA	A	225	225	225	250
Efficiency	COP	Cooling	W/W	3.26	3.16	3.21	3.20
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 5	Inverter Scroll x 6	Inverter Scroll x 6	Inverter Scroll x 6
	Output		kW x n	(8.93 x 1) x 1 + (8.93 x 2) x 2	(6.67 x 2) x 1 + (8.93 x 2) x 2	(6.67 x 2) x 1 + (8.93 x 2) x 2	(6.67 x 2) x 1 + (8.93 x 2) x 2
Fan	Quantity		EA	6	6	6	6
	Air Flow Rate		m^3/min	342 x 1 + 412 x 2	330 x 1 + 412 x 2	344 x 1 + 412 x 2	353 x 1 + 412 x 2
			l/s	5,699 x 1 + 6,860 x 2	5,504 x 1 + 6,860 x 2	5,741 x 1 + 6,860 x 2	5,882 x 1 + 6,860 x 2
	External Static Pressure	Max.	mmAq	-	-	-	-
			Pa	-	-	-	-
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	25.40 (1)	25.40 (1)
	Gas Pipe (OD)		Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	10.5 x 1 + 12.5 x 2	10.5 x 1 + 12.5 x 2	11.0 x 1 + 12.5 x 2	11.0 x 1 + 12.5 x 2
Sound	Sound Pressure	Cooling	dB(A)	70	70	70	70
External Dimension	Net Weight		kg	264 x 1 + 375 x 2	298 x 1 + 375 x 2	310 x 1 + 375 x 2	310 x 1 + 375 x 2
	Shipping Weight		kg	281 x 1 + 401 x 2	315 x 1 + 401 x 2	327 x 1 + 401 x 2	327 x 1 + 401 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Standard - 50/60 Hz



				AM960AXVANC/EA	AM980AXVANC/EA
Model Name	Outdoor unit module 1			AM280AXVANC/EA	AM300AXVANC/EA
	Outdoor unit module 2			AM340AXVANC/EA	AM340AXVANC/EA
	Outdoor unit module 3			AM340AXVANC/EA	AM340AXVANC/EA
	Outdoor unit module 4			-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	96	98
	Cooling Capacity		kW	269.0	274.4
			Btu/hr	917,800	936,200
Total capacity of the connected Indoor Units		Min.	kW	134.5	137.2
		Max.	kW	349.7	356.7
Power	Power Input	Cooling	kW	87.39	90.30
	Current Input	Cooling	A	137.80	141.90
	Current	MCA	A	207.0	214.6
		MFA	A	250	250
Efficiency	COP	Cooling	W/W	3.08	3.04
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 6	Inverter Scroll x 6
	Output		kW x n	(6.67 x 2) x 1 + (8.93 x 2) x 2	(8.93 x 2) x 3
Fan	Quantity		EA	6	6
	Air Flow Rate		㎥/min	353 x 1 + 412 x 2	353 x 1 + 412 x 2
			l/s	5,882 x 1 + 6,860 x 2	5,882 x 1 + 6,860 x 2
	External Static Pressure	Max.	㎜Aq	-	-
			Pa	-	-
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	25.40 (1)	25.40 (1)
	Gas Pipe (OD)		Φ, ㎜ (inch)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A
	Factory Charging		kg	11.0 x 1 + 12.5 x 2	11.0 x 1 + 12.5 x 2
Sound	Sound Pressure	Cooling	dB(A)	70	70
External Dimension	Net Weight		kg	310 x 1 + 375 x 2	322 x 1 + 375 x 2
	Shipping Weight		kg	327 x 1 + 401 x 2	339 x 1 + 401 x 2
	Net Dimensions (WxHxD)		㎜	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50
	Heating		℃	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz



				AM080AXVANC/EA	AM100AXVANC/EA	AM120AXVANC/EA	AM140AXVANC/EA
Model Name	Outdoor unit module 1			-	-	-	-
	Outdoor unit module 2			-	-	-	-
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	8	10	12	14
	Cooling Capacity		kW	22.4	28.0	33.6	40.0
			Btu/hr	76,400	95,500	114,600	136,500
Total capacity of the connected Indoor Units		Min.	kW	11.2	14.0	16.8	20.0
		Max.	kW	29.1	36.4	43.7	52.0
Power	Power Input	Cooling	kW	4.84	6.29	8.77	10.68
	Current Input	Cooling	A	7.60	9.90	13.80	16.80
	Current	MCA	A	19.0	23.0	26.0	29.0
		MFA	A	25	32	32	32
Efficiency	COP	Cooling	W/W	4.63	4.45	3.83	3.75
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1
	Output		kW x n	4.39 x 1	6.67 x 1	6.67 x 1	6.67 x 1
Fan	Quantity		EA	1	1	1	1
	Air Flow Rate		㎥/min	174	188	205	201
			l/s	2,906	3,138	3,425	3,346
	External Static Pressure	Max.	mmAq	11	11	8	8
			Pa	110	110	80	80
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	630 x 1	630 x 1	630 x 1	630 x 1
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)
	Gas Pipe (OD)		Φ, ㎜ (inch)	19.05 (3/4)	22.22 (7/8)	28.58 (1-1/8)	28.58 (1-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	5.5	5.5	6.2	7.0
Sound	Sound Pressure	Cooling	dB(A)	55.0	56.0	60.0	63.0
External Dimension	Net Weight		kg	173	183	186	202
	Shipping Weight		kg	187	197	200	216
	Net Dimensions (WxHxD)		㎜	930 x 1,695 x 765	930 x 1,695 x 765	930 x 1,695 x 765	930 x 1,695 x 765
	Shipping Dimensions (WxHxD)		㎜	998 x 1,887 x 829	998 x 1,887 x 829	998 x 1,887 x 829	998 x 1,887 x 829
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
 - Equivalent refrigerant pipe length 5m, Level differences 0m
 - Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
 (If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
 - PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
 - MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz



				AM160AXVANC/EA	AM180AXVANC/EA	AM200AXVANC/EA	AM220AXVANC/EA
Model Name	Outdoor unit module 1			-	-	-	-
	Outdoor unit module 2			-	-	-	-
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	16	18	20	22
	Cooling Capacity		kW	45.0	50.4	56.0	61.6
			Btu/hr	153,500	172,000	191,000	210,200
Total capacity of the connected Indoor Units		Min.	kW	22.5	25.2	28.0	30.8
		Max.	kW	58.5	65.5	72.8	80.1
Power	Power Input	Cooling	kW	11.50	13.94	12.18	16.20
	Current Input	Cooling	A	18.00	21.70	19.60	26.20
	Current	MCA	A	34.0	39.2	43.0	44.6
		MFA	A	40	50	50	50
Efficiency	COP	Cooling	W/W	3.91	3.62	4.60	3.80
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 2
	Output		kW x n	8.93 x 1	8.93 x 1	8.93 x 1	6.67 x 2
Fan	Quantity		EA	2	2	2	2
	Air Flow Rate		㎥/min	293	313	342	330
			l/s	4,880	5,217	5,699	5,504
	External Static Pressure	Max.	mmAq	11	11	11	11
			Pa	110	110	110	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	620 x 2	620 x 2	620 x 2	620 x 2
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe (OD)		Φ, ㎜ (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	8.0	8.0	10.5	10.5
Sound	Sound Pressure	Cooling	dB(A)	59.0	59.0	61.0	64.0
External Dimension	Net Weight		kg	237	237	264	298
	Shipping Weight		kg	254	254	281	315
	Net Dimensions (WxHxD)		㎜	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
	Shipping Dimensions (WxHxD)		㎜	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
 - Equivalent refrigerant pipe length 5m, Level differences 0m
 - Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
 (If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
 - PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
 - MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz





				AM240AXVANC/EA	AM260AXVANC1EA	AM280AXVANC1EA	AM300AXVANC1EA
Model Name	Outdoor unit module 1		-	-	AM100AXVANC/EA	AM080AXVANC/EA	AM100AXVANC/EA
	Outdoor unit module 2		-	-	AM160AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 3		-	-	-	-	-
	Outdoor unit module 4		-	-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	24	26	28	30
	Cooling Capacity		kW	67.2	73.0	78.4	84.0
			Btu/hr	229,300	249,000	267,500	286,600
Total capacity of the connected Indoor Units		Min.	kW	33.6	36.5	39.2	42.0
		Max.	kW	87.4	94.9	101.9	109.2
Power	Power Input	Cooling	kW	16.80	17.79	17.02	18.47
	Current Input	Cooling	A	26.40	27.90	27.20	29.50
	Current	MCA	A	55.0	57.0	62.0	66.0
		MFA	A	63	63	75	75
Efficiency	COP	Cooling	W/W	4.00	4.10	4.61	4.55
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2
	Output		kW x n	6.67 x 2	(6.67 x 1) x 1 + (8.93 x 1) x 1	(4.39 x 1) x 1 + (8.93 x 1) x 1	(6.67 x 1) x 1 + (8.93 x 1) x 1
Fan	Quantity		EA	2	3	3	3
	Air Flow Rate		㎥/min	344	188 x 1 + 293 x 1	174 x 1 + 342 x 1	188 x 1 + 342 x 1
			l/s	5,741	3,138 x 1 + 4,880 x 1	2,906 x 1 + 5,699 x 1	3,138 x 1 + 5,699 x 1
	External Static Pressure	Max.	㎜Aq	8	-	-	-
			Pa	80	-	-	-
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	620 x 2	(630 x 1) x 1 + (620 x 2) x 1	(630 x 1) x 1 + (620 x 2) x 1	(630 x 1) x 1 + (620 x 2) x 1
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	15.88 (5/8)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, ㎜ (inch)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	11.0	5.5 x 1 + 8.0 x 1	5.5 x 1 + 10.5 x 1	5.5 x 1 + 10.5 x 1
Sound	Sound Pressure	Cooling	dB(A)	65	61	62	62
External Dimension	Net Weight		kg	310	183 x 1 + 237 x 1	173 x 1 + 264 x 1	183 x 1 + 264 x 1
	Shipping Weight		kg	327	197 x 1 + 254 x 1	187 x 1 + 281 x 1	197 x 1 + 281 x 1
	Net Dimensions (WxHxD)		㎜	1,295 x 1,695 x 765	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1
	Shipping Dimensions (WxHxD)		㎜	1,363 x 1,887 x 829	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
 - Equivalent refrigerant pipe length 5m, Level differences 0m
 - Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 - Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
 (If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
 - PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
 - MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz





				AM320AXVANC1EA	AM340AXVANC1EA	AM360AXVANC1EA	AM380AXVANC1EA
Model Name	Outdoor unit module 1			AM120AXVANC/EA	AM140AXVANC/EA	AM160AXVANC/EA	AM180AXVANC/EA
	Outdoor unit module 2			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	32	34	36	38
	Cooling Capacity		kW	89.6	96.0	101.0	106.4
			Btu/hr	305,700	327,500	344,600	363,000
Total capacity of the connected Indoor Units		Min.	kW	44.8	48.0	50.5	53.2
		Max.	kW	116.5	124.8	131.3	138.3
Power	Power Input	Cooling	kW	20.95	22.86	23.68	26.12
	Current Input	Cooling	A	33.40	36.40	37.60	41.30
	Current	MCA	A	69.0	72.0	77.0	82.2
		MFA	A	75	80	100	100
Efficiency	COP	Cooling	W/W	4.28	4.20	4.27	4.07
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2
	Output		kW x n	(6.67 x 1) x 1 + (8.93 x 1) x 1	(6.67 x 1) x 1 + (8.93 x 1) x 1	(8.93 x 1) x 2	(8.93 x 1) x 2
Fan	Quantity		EA	3	3	4	4
	Air Flow Rate		㎥/min	205 x 1 + 342 x 1	201 x 1 + 342 x 1	293 x 1 + 342 x 1	313 x 1 + 342 x 1
			l/s	3,425 x 1 + 5,699 x 1	3,346 x 1 + 5,699 x 1	4,880 x 1 + 5,699 x 1	5,217 x 1 + 5,699 x 1
	External Static Pressure	Max.	㎜Aq	-	-	-	-
			Pa	-	-	-	-
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(630 x 1) x 1 + (620 x 2) x 1	(630 x 1) x 1 + (620 x 2) x 1	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, ㎜ (inch)	34.92 (1-3/8)	34.92 (1-3/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	6.2 x 1 + 10.5 x 1	7.0 x 1 + 10.5 x 1	8.0 x 1 + 10.5 x 1	8.0 x 1 + 10.5 x 1
Sound	Sound Pressure	Cooling	dB(A)	64	65	63	63
External Dimension	Net Weight		kg	186 x 1 + 264 x 1	202 x 1 + 264 x 1	237 x 1 + 264 x 1	237 x 1 + 264 x 1
	Shipping Weight		kg	200 x 1 + 281 x 1	216 x 1 + 281 x 1	254 x 1 + 281 x 1	254 x 1 + 281 x 1
	Net Dimensions (WxHxD)		㎜	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		㎜	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz



				AM400AXVANC1EA	AM420AXVANC1EA	AM440AXVANC1EA	AM460AXVANC1EA
Model Name	Outdoor unit module 1			AM200AXVANC/EA	AM220AXVANC/EA	AM240AXVANC/EA	AM260AXVANC/EA
	Outdoor unit module 2			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	40	42	44	46
	Cooling Capacity		kW	112.0	117.6	123.2	128.8
			Btu/hr	382,100	401,200	420,300	439,500
Total capacity of the connected Indoor Units		Min.	kW	56.0	58.8	61.6	64.4
		Max.	kW	145.6	152.9	160.2	167.4
Power	Power Input	Cooling	kW	24.36	28.38	28.98	31.04
	Current Input	Cooling	A	39.20	45.80	46.00	49.60
	Current	MCA	A	86.0	87.6	98.0	103.0
		MFA	A	100	100	125	125
Efficiency	COP	Cooling	W/W	4.60	4.14	4.25	4.15
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 2	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 3
	Output		kW x n	(8.93 x 1) x 2	(6.67 x 2) x 1 + (8.93 x 1) x 1	(6.67 x 2) x 1 + (8.93 x 1) x 1	(6.67 x 2) x 1 + (8.93 x 1) x 1
Fan	Quantity		EA	4	4	4	4
	Air Flow Rate		㎥/min	342 x 2	330 x 1 + 342 x 1	344 x 1 + 342 x 1	353 x 1 + 342 x 1
			l/s	5,699 x 2	5,504 x 1 + 5,699 x 1	5,741 x 1 + 5,699 x 1	5,882 x 1 + 5,699 x 1
	External Static Pressure	Max.	㎜Aq	-	-	-	-
			Pa	-	-	-	-
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, ㎜ (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	10.5 x 2	10.5 x 2	11.0 x 1 + 10.5 x 1	11.0 x 1 + 10.5 x 1
Sound	Sound Pressure	Cooling	dB(A)	64	66	66	66
External Dimension	Net Weight		kg	264 x 2	298 x 1 + 264 x 1	310 x 1 + 264 x 1	310 x 1 + 264 x 1
	Shipping Weight		kg	281 x 2	315 x 1 + 281 x 1	327 x 1 + 281 x 1	327 x 1 + 281 x 1
	Net Dimensions (WxHxD)		㎜	(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
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz



					AM480AXVANC1EA	AM500AXVANC1EA	AM520AXVANC1EA	AM540AXVANC1EA
Model Name	Outdoor unit module 1				AM080AXVANC/EA	AM100AXVANC/EA	AM120AXVANC/EA	AM140AXVANC/EA
	Outdoor unit module 2				AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 3				AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 4				-	-	-	-
Power Supply				Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP			HP	48	50	52	54
	Cooling Capacity			kW	134.4	140.0	145.6	152.0
				Btu/hr	458,600	477,700	496,800	518,600
Total capacity of the connected Indoor Units		Min.		kW	67.2	70.0	72.8	76.0
		Max.		kW	174.7	182.0	189.3	197.6
Power	Power Input	Cooling		kW	29.20	30.65	33.13	35.04
	Current Input	Cooling		A	46.80	49.10	53.00	56.00
	Current	MCA		A	105.0	109.0	112.0	115.0
		MFA		A	125	125	125	150
Efficiency	COP	Cooling		W/W	4.60	4.57	4.39	4.34
Casing	Material	Body		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al	Al	Al
		Tube		-	Cu	Cu	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type			-	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 3
	Output			kW x n	(4.39 x 1) x 1 + (8.93 x 1) x 2	(6.67 x 1) x 1 + (8.93 x 1) x 2	(6.67 x 1) x 1 + (8.93 x 1) x 2	(6.67 x 1) x 1 + (8.93 x 1) x 2
Fan	Quantity			EA	5	5	5	5
	Air Flow Rate			㎥/min	174 x 1 + 342 x 2	188 x 1 + 342 x 2	205 x 1 + 342 x 2	201 x 1 + 342 x 2
				l/s	2,906 x 1 + 5,699 x 2	3,138 x 1 + 5,699 x 2	3,425 x 1 + 5,699 x 2	3,346 x 1 + 5,699 x 2
	External Static Pressure	Max.		㎜Aq	-	-	-	-
				Pa	-	-	-	-
Fan Motor	Type			-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output			W x n	(630 x 1) x 1 + (620 x 2) x 2	(630 x 1) x 1 + (620 x 2) x 2	(630 x 1) x 1 + (620 x 2) x 2	(630 x 1) x 1 + (620 x 2) x 2
Piping Connections	Liquid Pipe (OD)			Φ, ㎜ (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)			Φ, ㎜ (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	5.5 x 1 + 10.5 x 2	5.5 x 1 + 10.5 x 2	6.2 x 1 + 10.5 x 2	7.0 x 1 + 10.5 x 2
Sound	Sound Pressure	Cooling		dB(A)	65	65	65	67
External Dimension	Net Weight			kg	173 x 1 + 264 x 2	183 x 1 + 264 x 2	186 x 1 + 264 x 2	202 x 1 + 264 x 2
	Shipping Weight			kg	187x1+281x2	197x1+281x2	200x1+281x2	216x1+281x2
	Net Dimensions (WxHxD)			㎜	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)			㎜	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling			℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating			℃	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz



					AM560AXVANC1EA	AM580AXVANC1EA	AM600AXVANC1EA	AM620AXVANC1EA
Model Name	Outdoor unit module 1				AM160AXVANC/EA	AM180AXVANC/EA	AM200AXVANC/EA	AM220AXVANC/EA
	Outdoor unit module 2				AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 3				AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 4				-	-	-	-
Power Supply				Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP			HP	56	58	60	62
	Cooling Capacity			kW	157.0	162.4	168.0	173.6
				Btu/hr	535,700	554,100	573,200	592,300
Total capacity of the connected Indoor Units		Min.		kW	78.5	81.2	84.0	86.8
		Max.		kW	204.1	211.1	218.4	225.7
Power	Power Input	Cooling		kW	35.86	38.30	36.54	40.56
	Current Input	Cooling		A	57.20	60.90	58.80	65.40
	Current	MCA		A	120.0	125.2	129.0	130.6
		MFA		A	150	150	150	150
Efficiency	COP	Cooling		W/W	4.38	4.24	4.60	4.28
Casing	Material	Body		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al	Al	Al
		Tube		-	Cu	Cu	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type			-	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 4
	Output			kW x n	(8.93 x 1) x 3	(8.93 x 1) x 3	(8.93 x 1) x 3	(6.67 x 2) x 1 + (8.93 x 1) x 2
Fan	Quantity			EA	6	6	6	6
	Air Flow Rate			㎥/min	293 x 1 + 342 x 2	313 x 1 + 342 x 2	342 x 3	330 x 1 + 342 x 2
				l/s	4,880 x 1 + 5,699 x 2	5,217 x 1 + 5,699 x 2	5,699 x 3	5,504 x 1 + 5,699 x 2
	External Static Pressure	Max.		mmAq	-	-	-	-
				Pa	-	-	-	-
Fan Motor	Type			-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output			W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
Piping Connections	Liquid Pipe (OD)			Φ, ㎜ (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	22.22 (7/8)
	Gas Pipe (OD)			Φ, ㎜ (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	53.98 (2-1/8)
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	8.0 x 1 + 10.5 x 2	8.0 x 1 + 10.5 x 2	10.5 x 3	10.5 x 3
Sound	Sound Pressure	Cooling		dB(A)	65	65	66	67
External Dimension	Net Weight			kg	237 x 1 + 264 x 2	237 x 1 + 264 x 2	264 x 3	298 x 1 + 264 x 2
	Shipping Weight			kg	254 x 1 + 281 x 2	254 x 1 + 281 x 2	281 x 3	315 x 1 + 281 x 2
	Net Dimensions (WxHxD)			㎜	(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
	Shipping Dimensions (WxHxD)			㎜	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3
Operating Temp. Range	Cooling			℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating			℃	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz





				AM640AXVANC1EA	AM660AXVANC1EA	AM680AXVANC1EA	AM700AXVANC1EA
Model Name	Outdoor unit module 1			AM240AXVANC/EA	AM260AXVANC/EA	AM080AXVANC/EA	AM100AXVANC/EA
	Outdoor unit module 2			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 3			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 4			-	-	AM200AXVANC/EA	AM200AXVANC/EA
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	64	66	68	70
	Cooling Capacity		kW	179.2	184.8	190.4	196.0
			Btu/hr	611,400	630,500	649,600	668,700
Total capacity of the connected Indoor Units		Min.	kW	89.6	92.4	95.2	98.0
		Max.	kW	233.0	240.2	247.5	254.8
Power	Power Input	Cooling	kW	41.16	43.22	41.38	42.83
	Current Input	Cooling	A	65.60	69.20	66.40	68.70
	Current	MCA	A	141.0	146.0	148.0	152.0
		MFA	A	175	175	175	175
Efficiency	COP	Cooling	W/W	4.35	4.28	4.60	4.58
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4
	Output		kW x n	(6.67 x 2) x 1 + (8.93 x 1) x 2	(6.67 x 2) x 1 + (8.93 x 1) x 2	(4.39 x 1) x 1 + (8.93 x 1) x 3	(6.67 x 1) x 1 + (8.93 x 1) x 3
Fan	Quantity		EA	6	6	7	7
	Air Flow Rate		㎥/min	344 x 1 + 342 x 2	353 x 1 + 342 x 2	174 x 1 + 342 x 3	188 x 1 + 342 x 3
			l/s	5,741 x 1 + 5,699 x 2	5,882 x 1 + 5,699 x 2	2,906 x 1 + 5,699 x 3	3,138 x 1 + 5,699 x 3
	External Static Pressure	Max.	mmAq	-	-	-	-
			Pa	-	-	-	-
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(630 x 1) x 1 + (620 x 2) x 3	(630 x 1) x 1 + (620 x 2) x 3
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)		Φ, ㎜ (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	11.0 x 1 + 10.5 x 2	11.0 x 1 + 10.5 x 2	5.5 x 1 + 10.5 x 3	5.5 x 1 + 10.5 x 3
Sound	Sound Pressure	Cooling	dB(A)	68	68	66	66
External Dimension	Net Weight		kg	310 x 1 + 264 x 2	310 x 1 + 264 x 2	173 x 1 + 264 x 3	183 x 1 + 264 x 3
	Shipping Weight		kg	327 x 1 + 281 x 2	327 x 1 + 281 x 2	187 x 1 + 281 x 3	197 x 1 + 281 x 3
	Net Dimensions (WxHxD)		㎜	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 3	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 3	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 3
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz





				AM720AXVANC1EA	AM740AXVANC1EA	AM760AXVANC1EA	AM780AXVANC1EA
Model Name	Outdoor unit module 1			AM120AXVANC/EA	AM140AXVANC/EA	AM160AXVANC/EA	AM180AXVANC/EA
	Outdoor unit module 2			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 3			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 4			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	72	74	76	78
	Cooling Capacity		kW	201.6	208.0	213.0	218.4
			Btu/hr	687,800	709,700	726,700	745,200
Total capacity of the connected Indoor Units		Min.	kW	100.8	104.0	106.5	109.2
		Max.	kW	262.1	270.4	276.9	283.9
Power	Power Input	Cooling	kW	45.31	47.22	48.04	50.48
	Current Input	Cooling	A	72.60	75.60	76.80	80.50
	Current	MCA	A	155.0	158.0	163.0	168.2
		MFA	A	175	175	200	200
Efficiency	COP	Cooling	W/W	4.45	4.40	4.43	4.33
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4
	Output		kW x n	(6.67 x 1) x 1 + (8.93 x 1) x 3	(6.67 x 1) x 1 + (8.93 x 1) x 3	(8.93 x 1) x 4	(8.93 x 1) x 4
Fan	Quantity		EA	7	7	8	8
	Air Flow Rate		m^3/min	205 x 1 + 342 x 3	201 x 1 + 342 x 3	293 x 1 + 342 x 3	313 x 1 + 342 x 3
			l/s	3,425 x 1 + 5,699 x 3	3,346 x 1 + 5,699 x 3	4,880 x 1 + 5,699 x 3	5,217 x 1 + 5,699 x 3
	External Static Pressure	Max.	mmAq	-	-	-	-
			Pa	-	-	-	-
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(630 x 1) x 1 + (620 x 2) x 3	(630 x 1) x 1 + (620 x 2) x 3	(620 x 2) x 4	(620 x 2) x 4
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)		Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	6.2 x 1 + 10.5 x 3	7.0 x 1 + 10.5 x 3	8.0 x 1 + 10.5 x 3	8.0 x 1 + 10.5 x 3
Sound	Sound Pressure	Cooling	dB(A)	67	68	67	67
External Dimension	Net Weight		kg	186 x 1 + 264 x 3	202 x 1 + 264 x 3	237 x 1 + 264 x 3	237 x 1 + 264 x 3
	Shipping Weight		kg	200 x 1 + 281 x 3	216 x 1 + 281 x 3	254 x 1 + 281 x 3	254 x 1 + 281 x 3
	Net Dimensions (WxHxD)		mm	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 3	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD)		mm	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 3	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 4	(1,363 x 1,887 x 829) x 4
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz



Model Name				AM800AXVANC1EA	AM820AXVANC1EA	AM840AXVANC1EA	AM860AXVANC1EA
	Outdoor unit module 1			AM200AXVANC/EA	AM220AXVANC/EA	AM240AXVANC/EA	AM260AXVANC/EA
	Outdoor unit module 2			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 3			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 4			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	80	82	84	86
	Cooling Capacity		kW	224.0	229.6	235.2	240.8
			Btu/hr	764,300	783,400	802,500	821,600
Total capacity of the connected Indoor Units		Min.	kW	112.0	114.8	117.6	120.4
		Max.	kW	291.2	298.5	305.8	313.0
Power	Power Input	Cooling	kW	48.72	52.74	53.34	55.40
	Current Input	Cooling	A	78.40	85.00	85.20	88.80
	Current	MCA	A	172.0	173.6	184.0	189.0
		MFA	A	200	200	225	225
Efficiency	COP	Cooling	W/W	4.60	4.35	4.41	4.35
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 5	Inverter Scroll x 5	Inverter Scroll x 5
	Output		kW x n	(8.93 x 1) x 4	(6.67 x 2) x 1 + (8.93 x 1) x 3	(6.67 x 2) x 1 + (8.93 x 1) x 3	(6.67 x 2) x 1 + (8.93 x 1) x 3
Fan	Quantity		EA	8	8	8	8
	Air Flow Rate		㎥/min	342 x 4	330 x 1 + 342 x 3	344 x 1 + 342 x 3	353 x 1 + 342 x 3
			l/s	5,699 x 4	5,504 x 1 + 5,699 x 3	5,741 x 1 + 5,699 x 3	5,882 x 1 + 5,699 x 3
	External Static Pressure	Max.	㎜Aq	-	-	-	-
			Pa	-	-	-	-
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 4	(620 x 2) x 4	(620 x 2) x 4	(620 x 2) x 4
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)		Φ, ㎜ (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	10.5 x 4	10.5 x 4	11.0 x 1 + 10.5 x 3	11.0 x 1 + 10.5 x 3
Sound	Sound Pressure	Cooling	dB(A)	67	68	68	68
External Dimension	Net Weight		kg	264 x 4	298 x 1 + 264 x 3	310 x 1 + 264 x 3	310 x 1 + 264 x 3
	Shipping Weight		kg	281 x 4	315 x 1 + 281 x 3	327 x 1 + 281 x 3	327 x 1 + 281 x 3
	Net Dimensions (WxHxD)		㎜	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 4	(1,363 x 1,887 x 829) x 4	(1,363 x 1,887 x 829) x 4	(1,363 x 1,887 x 829) x 4
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz





				AM880AXVANC1EA	AM900AXVANC1EA	AM920AXVANC1EA	AM940AXVANC1EA
Model Name	Outdoor unit module 1			AM280AXVANC/EA	AM300AXVANC/EA	AM320AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 2			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM240AXVANC/EA
	Outdoor unit module 3			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM240AXVANC/EA
	Outdoor unit module 4			AM200AXVANC/EA	AM200AXVANC/EA	AM200AXVANC/EA	AM260AXVANC/EA
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	88	90	92	94
	Cooling Capacity		kW	246.6	252.0	257.6	263.2
			Btu/hr	841,400	859,800	878,900	898,000
Total capacity of the connected Indoor Units		Min.	kW	123.3	126.0	128.8	131.6
		Max.	kW	320.6	327.6	334.9	342.2
Power	Power Input	Cooling	kW	60.47	63.38	64.11	64.64
	Current Input	Cooling	A	96.80	100.90	102.20	102.40
	Current	MCA	A	190.0	197.6	197.6	213.0
		MFA	A	225	225	225	250
Efficiency	COP	Cooling	W/W	4.08	3.98	4.02	4.07
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 5	Inverter Scroll x 5	Inverter Scroll x 5	Inverter Scroll x 7
	Output		kW x n	(6.67 x 2) x 1 + (8.93 x 1) x 3	(8.93 x 2) x 1 + (8.93 x 1) x 3	(8.93 x 2) x 1 + (8.93 x 1) x 3	(8.93 x 1) x 1 + (6.67 x 2) x 3
Fan	Quantity		EA	8	8	8	8
	Air Flow Rate		m^3/min	353 x 1 + 342 x 3	353 x 1 + 342 x 3	412 x 1 + 342 x 3	342 x 1 + 344 x 2 + 353 x 1
			l/s	5,882 x 1 + 5,699 x 3	5,882 x 1 + 5,699 x 3	6,860 x 1 + 5,699 x 3	5,699 x 1 + 5,741 x 2 + 5,882 x 1
	External Static Pressure	Max.	mmAq	-	-	-	-
			Pa	-	-	-	-
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 4	(620 x 2) x 4	(630 x 2) x 1 + (620 x 2) x 3	(620 x 2) x 4
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	25.40 (1)	25.40 (1)
	Gas Pipe (OD)		Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	11.0 x 1 + 10.5 x 3	11.0 x 1 + 10.5 x 3	12.5 x 1 + 10.5 x 3	10.5 x 1 + 11.0 x 3
Sound	Sound Pressure	Cooling	dB(A)	68	68	68	70
External Dimension	Net Weight		kg	310 x 1 + 264 x 3	322 x 1 + 264 x 3	375 x 1 + 264 x 3	264 x 1 + 310 x 3
	Shipping Weight		kg	327 x 1 + 281 x 3	339 x 1 + 281 x 3	401 x 1 + 281 x 3	281 x 1 + 327 x 3
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	(1,860 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 829) x 4	(1,363 x 1,887 x 829) x 4	(1,928 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 4
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

COOLING ONLY

Energy efficiency - 50/60 Hz



				AM960AXVANC1EA	AM980AXVANC1EA
Model Name	Outdoor unit module 1			AM200AXVANC/EA	AM200AXVANC/EA
	Outdoor unit module 2			AM240AXVANC/EA	AM260AXVANC/EA
	Outdoor unit module 3			AM260AXVANC/EA	AM260AXVANC/EA
	Outdoor unit module 4			AM260AXVANC/EA	AM260AXVANC/EA
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	96	98
	Cooling Capacity		kW	268.8	274.4
			Btu/hr	917,100	936,200
Total capacity of the connected Indoor Units		Min.	kW	134.4	137.2
		Max.	kW	349.4	356.7
Power	Power Input	Cooling	kW	66.70	68.76
	Current Input	Cooling	A	106.00	109.60
	Current	MCA	A	218.0	223.0
		MFA	A	250	250
Efficiency	COP	Cooling	W/W	4.03	3.99
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 7	Inverter Scroll x 7
	Output		kW x n	(8.93 x 1) x 1 + (6.67 x 2) x 3	(8.93 x 1) x 1 + (6.67 x 2) x 3
Fan	Quantity		EA	8	8
	Air Flow Rate		㎥/min	342 x 1 + 344 x 1 + 353 x 2	342 x 1 + 353 x 3
			l/s	5,699 x 1 + 5,741 x 1 + 5,882 x 2	5,699 x 1 + 5,882 x 3
	External Static Pressure	Max.	㎜Aq	-	-
			Pa	-	-
Fan Motor	Type		-	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 4	(620 x 2) x 4
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	25.40 (1)	25.40 (1)
	Gas Pipe (OD)		Φ, ㎜ (inch)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A
	Factory Charging		kg	10.5 x 1 + 11.0 x 3	10.5 x 1 + 11.0 x 3
Sound	Sound Pressure	Cooling	dB(A)	70	70
External Dimension	Net Weight		kg	264 x 1 + 310 x 3	264 x 1 + 310 x 3
	Shipping Weight		kg	281 x 1 + 327 x 3	281 x 1 + 327 x 3
	Net Dimensions (WxHxD)		㎜	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 4	(1,363 x 1,887 x 829) x 4
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50
	Heating		℃	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT | SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz



				AM080AXVANH/EA	AM100AXVANH/EA	AM120AXVANH/EA	AM140AXVANH/EA
Model Name	Outdoor unit module 1			-	-	-	-
	Outdoor unit module 2			-	-	-	-
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	8	10	12	14
	Cooling Capacity		kW	22.4	28.0	33.6	40.0
			Btu/hr	76,400	95,500	114,600	136,500
	Heating Capacity		kW	25.2	31.5	37.8	45.0
			Btu/hr	86,000	107,500	129,000	153,500
Total capacity of the connected Indoor Units		Min.	kW	11.2	14.0	16.8	20.0
		Max.	kW	29.1	36.4	43.7	52.0
Power	Power Input	Cooling	kW	4.84	6.29	8.77	10.68
		Heating	kW	4.80	6.30	8.90	11.08
	Current Input	Cooling	A	7.60	9.90	13.80	16.80
		Heating	A	7.50	9.90	14.10	16.90
	Current	MCA	A	19.0	23.0	26.0	29.0
		MFA	A	25	32	32	32
Efficiency	COP	Cooling	W/W	4.63	4.45	3.83	3.75
		Heating	W/W	5.25	5.00	4.25	4.06
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1
	Output		kW x n	4.60 x 1	6.67 x 1	6.67 x 1	6.67 x 1
Fan	Quantity		EA	1	1	1	1
	Air Flow Rate		m^3/min	174	188	205	201
			l/s	2,906	3,138	3,425	3,346
	External Static Pressure	Max.	mmAq	11	11	8	8
			Pa	110	110	80	80
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	630 x 1	630 x 1	630 x 1	630 x 1
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)
	Gas Pipe (OD)		Φ, mm (inch)	19.05 (3/4)	22.22 (7/8)	28.58 (1-1/8)	28.58 (1-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	5.5	5.5	6.2	7.0
Sound	Sound Pressure	Cooling	dB(A)	55	56	60	63
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	171	183	187	200
	Shipping Weight		kg	185	197	201	214
	Net Dimensions (WxHxD)		mm	930 x 1,695 x 765	930 x 1,695 x 765	930 x 1,695 x 765	930 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	998 x 1,887 x 829	998 x 1,887 x 829	998 x 1,887 x 829	998 x 1,887 x 829
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz



Model Name	Outdoor unit module 1			-	-	-	-
	Outdoor unit module 2			-	-	-	-
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	16	18	20	22
	Cooling Capacity		kW	45.0	50.4	56.0	61.6
			Btu/hr	153,500	172,000	191,000	210,200
	Heating Capacity		kW	50.4	56.7	63.0	69.3
			Btu/hr	172,000	193,500	215,000	236,400
Total capacity of the connected Indoor Units		Min.	kW	22.5	25.2	28.0	30.8
		Max.	kW	58.5	65.5	72.8	80.1
Power	Power Input	Cooling	kW	11.50	13.94	12.18	16.20
		Heating	kW	11.58	13.50	13.55	15.06
	Current Input	Cooling	A	18.00	21.70	19.60	26.20
		Heating	A	18.20	21.20	21.30	23.70
	Current	MCA	A	34.0	39.2	43.0	44.6
		MFA	A	40	50	50	50
Efficiency	COP	Cooling	W/W	3.91	3.62	4.60	3.80
		Heating	W/W	4.35	4.20	4.65	4.60
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 2
	Output		kW x n	8.93 x 1	8.93 x 1	8.93 x 1	6.67 x 2
Fan	Quantity		EA	2	2	2	2
	Air Flow Rate		㎥/min	293	313	330	330
			l/s	4,880	5,217	5,504	5,504
	External Static Pressure	Max.	㎜Aq	11	11	11	11
			Pa	110	110	110	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	620 x 2	620 x 2	620 x 2	620 x 2
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe (OD)		Φ, ㎜ (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	8.0	8.0	10.5	10.5
Sound	Sound Pressure	Cooling	dB(A)	59	59	61	64
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	234	234	259	292
	Shipping Weight		kg	251	251	276	309
	Net Dimensions (WxHxD)		㎜	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
	Shipping Dimensions (WxHxD)		㎜	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT | SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz





				AM240AXVANH/EA	AM260AXVANH/EA	AM280AXVANH/EA	AM300AXVANH/EA
Model Name	Outdoor unit module 1			-	-	-	-
	Outdoor unit module 2			-	-	-	-
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	24	26	28	30
	Cooling Capacity		kW	67.2	72.8	78.6	84.0
			Btu/hr	229,300	248,400	268,200	286,600
	Heating Capacity		kW	75.6	78.4	78.4	94.5
			Btu/hr	257,900	267,500	267,500	322,400
Total capacity of the connected Indoor Units		Min.	kW	33.6	36.4	39.3	42.0
		Max.	kW	87.4	94.6	102.2	109.2
Power	Power Input	Cooling	kW	16.80	18.86	23.93	22.70
		Heating	kW	16.61	17.19	17.61	20.54
	Current Input	Cooling	A	26.40	30.00	38.00	35.50
		Heating	A	26.10	27.00	27.70	32.30
	Current	MCA	A	55.0	60.0	61.0	65.0
		MFA	A	63	75	75	75
Efficiency	COP	Cooling	W/W	4.00	3.86	3.28	3.70
		Heating	W/W	4.55	4.56	4.45	4.60
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2
	Output		kW x n	6.67 x 2	6.67 x 2	6.67 x 2	8.93 x 2
Fan	Quantity		EA	2	2	2	2
	Air Flow Rate		m^3/min	344	353	353	412
			l/s	5,741	5,882	5,882	6,860
	External Static Pressure	Max.	mmAq	8	8	8	8
			Pa	80	80	80	80
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	620 x 2	620 x 2	620 x 2	630 x 2
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	15.88 (5/8)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, mm (inch)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	14.0	14.0	14.0	15.5
Sound	Sound Pressure	Cooling	dB(A)	65	65	65	65
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	317	317	317	390
	Shipping Weight		kg	334	334	334	416
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,860 x 1,695 x 765
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,928 x 1,887 x 829
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz





					AM320AXVANH/EA	AM340AXVANH/EA	AM360AXVANH/EA	AM380AXVANH/EA
Model Name	Outdoor unit module 1				-	-	AM120AXVANH/EA	AM140AXVANH/EA
	Outdoor unit module 2				-	-	AM240AXVANH/EA	AM240AXVANH/EA
	Outdoor unit module 3				-	-	-	-
	Outdoor unit module 4				-	-	-	-
Power Supply				Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP			HP	32	34	36	38
	Cooling Capacity			kW	89.6	95.2	100.8	107.2
				Btu/hr	305,700	324,800	343,900	365,800
	Heating Capacity			kW	95.2	95.2	113.4	120.6
				Btu/hr	324,800	324,800	386,900	411,500
Total capacity of the connected Indoor Units		Min.		kW	44.8	47.6	50.4	53.6
		Max.		kW	116.5	123.8	131.0	139.4
Power	Power Input	Cooling		kW	27.57	31.73	25.57	27.48
		Heating		kW	21.15	21.63	25.51	27.69
	Current Input	Cooling		A	43.40	49.90	40.20	43.20
		Heating		A	33.30	34.00	40.20	43.00
	Current	MCA		A	68.6	73.0	81.0	84.0
		MFA		A	75	80	90	100
Efficiency	COP	Cooling		W/W	3.25	3.00	3.94	3.90
		Heating		W/W	4.50	4.40	4.45	4.36
Casing	Material	Body		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al	Al	Al
		Tube		-	Cu	Cu	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type			-	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 3	Inverter Scroll x 3
	Output			kW x n	8.93 x 2	8.93 x 2	(6.67 x 1) x 1 + (6.67 x 2) x 1	(6.67 x 1) x 1 + (6.67 x 2) x 1
Fan	Quantity			EA	2	2	3	3
	Air Flow Rate			㎥/min	412	412	205 x 1 + 344 x 1	201 x 1 + 344 x 1
				l/s	6,860	6,860	3,425 x 1 + 5,741 x 1	3,346 x 1 + 5,741 x 1
	External Static Pressure	Max.		㎜Aq	8	8	8	8
				Pa	80	80	80	80
Fan Motor	Type			-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output			W x n	630 x 2	630 x 2	(630 x 1) x 1 + (620 x 2) x 1	(630 x 1) x 1 + (620 x 2) x 1
Piping Connections	Liquid Pipe (OD)			Φ, ㎜ (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)			Φ, ㎜ (inch)	34.92 (1-3/8)	34.92 (1-3/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	15.5	15.5	6.2 x 1 + 14.0 x 1	7.0 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling		dB(A)	65	66	66	67
		Heating		dB(A)	-	-	-	-
External Dimension	Net Weight			kg	390	390	187 x 1 + 317 x 1	200 x 1 + 317 x 1
	Shipping Weight			kg	416	416	201 x 1 + 334 x 1	214 x 1 + 334 x 1
	Net Dimensions (WxHxD)			㎜	1,860 x 1,695 x 765	1,860 x 1,695 x 765	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1
	Shipping Dimensions (WxHxD)			㎜	1,928 x 1,887 x 829	1,928 x 1,887 x 829	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1
Operating Temp. Range	Cooling			℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating			℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT | SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz





				AM400AXVANH/EA	AM420AXVANH/EA	AM440AXVANH/EA	AM460AXVANH/EA
Model Name	Outdoor unit module 1			AM140AXVANH/EA	AM140AXVANH/EA	AM200AXVANH/EA	AM220AXVANH/EA
	Outdoor unit module 2			AM260AXVANH/EA	AM280AXVANH/EA	AM240AXVANH/EA	AM240AXVANH/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	40	42	44	46
	Cooling Capacity		kW	112.8	118.6	123.2	128.8
			Btu/hr	384,900	404,700	420,300	439,500
	Heating Capacity		kW	123.4	123.4	138.6	144.9
			Btu/hr	421,000	421,000	472,900	494,400
Total capacity of the connected Indoor Units		Min.	kW	56.4	59.3	61.6	64.4
		Max.	kW	146.6	154.2	160.2	167.4
Power	Power Input	Cooling	kW	29.54	34.61	28.98	33.00
		Heating	kW	28.27	28.69	30.16	31.67
	Current Input	Cooling	A	46.80	54.80	46.00	52.60
		Heating	A	43.90	44.60	47.40	49.80
	Current	MCA	A	89.0	90.0	98.0	99.6
		MFA	A	100	100	125	125
Efficiency	COP	Cooling	W/W	3.82	3.43	4.25	3.90
		Heating	W/W	4.37	4.30	4.60	4.58
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 4
	Output		kW x n	(6.67 x 1) x 1 + (6.67 x 2) x 1	(6.67 x 1) x 1 + (6.67 x 2) x 1	(8.93 x 1) x 1 + (6.67 x 2) x 1	(6.67 x 2) x 2
Fan	Quantity		EA	3	3	4	4
	Air Flow Rate		m^3/min	201 x 1 + 353 x 1	201 x 1 + 353 x 1	330 x 1 + 344 x 1	330 x 1 + 344 x 1
			l/s	3,346 x 1 + 5,882 x 1	3,346 x 1 + 5,882 x 1	5,504 x 1 + 5,741 x 1	5,504 x 1 + 5,741 x 1
	External Static Pressure	Max.	mmAq	8	8	11	11
			Pa	80	80	110	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(630 x 1) x 1 + (620 x 2) x 1	(630 x 1) x 1 + (620 x 2) x 1	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	7.0 x 1 + 14.0 x 1	7.0 x 1 + 14.0 x 1	10.5 x 1 + 14.0 x 1	10.5 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	67	67	66	68
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	200 x 1 + 317 x 1	200 x 1 + 317 x 1	259 x 1 + 317 x 1	292 x 1 + 317 x 1
	Shipping Weight		kg	214 x 1 + 334 x 1	214 x 1 + 334 x 1	276 x 1 + 334 x 1	309 x 1 + 334 x 1
	Net Dimensions (WxHxD)		mm	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1	(998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz



Model Name				AM480AXVANH/EA	AM500AXVANH/EA	AM520AXVANH/EA	AM540AXVANH/EA
	Outdoor unit module 1			AM240AXVANH/EA	AM260AXVANH/EA	AM260AXVANH/EA	AM260AXVANH/EA
	Outdoor unit module 2			AM240AXVANH/EA	AM240AXVANH/EA	AM260AXVANH/EA	AM280AXVANH/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	48	50	52	54
	Cooling Capacity		kW	134.4	140.0	145.6	151.4
			Btu/hr	458,600	477,700	496,800	516,600
	Heating Capacity		kW	151.2	154.0	156.8	156.8
			Btu/hr	515,900	525,500	535,000	535,000
Total capacity of the connected Indoor Units		Min.	kW	67.2	70.0	72.8	75.7
		Max.	kW	174.7	182.0	189.3	196.8
Power	Power Input	Cooling	kW	33.60	35.66	37.72	42.79
		Heating	kW	33.22	33.80	34.38	34.80
	Current Input	Cooling	A	52.80	56.40	60.00	68.00
		Heating	A	52.20	53.10	54.00	54.70
	Current	MCA	A	110.0	115.0	120.0	121.0
		MFA	A	125	150	150	150
Efficiency	COP	Cooling	W/W	4.00	3.93	3.86	3.54
		Heating	W/W	4.55	4.56	4.56	4.51
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4
	Output		kW x n	(6.67 x 2) x 2	(6.67 x 2) x 2	(6.67 x 2) x 2	(6.67 x 2) x 2
Fan	Quantity		EA	4	4	4	4
	Air Flow Rate		㎥/min	344 x 2	353 x 1 + 344 x 1	353 x 2	353 x 2
			l/s	5,741 x 2	5,882 x 1 + 5,741 x 1	5,882 x 2	5,882 x 2
	External Static Pressure	Max.	㎜Aq	8	8	8	8
			Pa	80	80	80	80
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, ㎜ (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	14.0 x 2	14.0 x 2	14.0 x 2	14.0 x 2
Sound	Sound Pressure	Cooling	dB(A)	68	68	68	68
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	317 x 2	317 x 2	317 x 2	317 x 2
	Shipping Weight		kg	334 x 2	334 x 2	334 x 2	334 x 2
	Net Dimensions (WxHxD)		㎜	(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
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT | SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz





				AM560AXVANH/EA	AM580AXVANH/EA	AM600AXVANH/EA	AM620AXVANH/EA
Model Name	Outdoor unit module 1			AM280AXVANH/EA	AM260AXVANH/EA	AM260AXVANH/EA	AM280AXVANH/EA
	Outdoor unit module 2			AM280AXVANH/EA	AM320AXVANH/EA	AM340AXVANH/EA	AM340AXVANH/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	56	58	60	62
	Cooling Capacity		kW	157.2	162.4	168.0	173.8
			Btu/hr	536,400	554,100	573,200	593,000
	Heating Capacity		kW	156.8	173.6	173.6	173.6
			Btu/hr	535,000	592,300	592,300	592,300
Total capacity of the connected Indoor Units		Min.	kW	78.6	81.2	84.0	86.9
		Max.	kW	204.4	211.1	218.4	225.9
Power	Power Input	Cooling	kW	47.86	46.43	50.59	55.66
		Heating	kW	35.22	38.34	38.82	39.24
	Current Input	Cooling	A	76.00	73.40	79.90	87.90
		Heating	A	55.40	60.30	61.00	61.70
	Current	MCA	A	122.0	128.6	133.0	134.0
		MFA	A	150	150	150	150
Efficiency	COP	Cooling	W/W	3.28	3.50	3.32	3.12
		Heating	W/W	4.45	4.53	4.47	4.42
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4
	Output		kW x n	(6.67 x 2) x 2	(6.67 x 2) x 1 + (8.93 x 2) x 1	(6.67 x 2) x 1 + (8.93 x 2) x 1	(6.67 x 2) x 1 + (8.93 x 2) x 1
Fan	Quantity		EA	4	4	4	4
	Air Flow Rate		m^3/min	353 x 2	353 x 1 + 412 x 1	353 x 1 + 412 x 1	353 x 1 + 412 x 1
			l/s	5,882 x 2	5,882 x 1 + 6,860 x 1	5,882 x 1 + 6,860 x 1	5,882 x 1 + 6,860 x 1
	External Static Pressure	Max.	mmAq	8	8	8	8
			Pa	80	80	80	80
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 1 + (630 x 2) x 1	(620 x 2) x 1 + (630 x 2) x 1	(620 x 2) x 1 + (630 x 2) x 1
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	22.22 (7/8)
	Gas Pipe (OD)		Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	14.0 x 2	14.0 x 1 + 15.5 x 1	14.0 x 1 + 15.5 x 1	14.0 x 1 + 15.5 x 1
Sound	Sound Pressure	Cooling	dB(A)	68	68	69	69
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	317 x 2	317 x 1 + 390 x 1	317 x 1 + 390 x 1	317 x 1 + 390 x 1
	Shipping Weight		kg	334 x 2	334 x 1 + 416 x 1	334 x 1 + 416 x 1	334 x 1 + 416 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz





				AM640AXVANH/EA	AM660AXVANH/EA	AM680AXVANH/EA	AM700AXVANH/EA
Model Name	Outdoor unit module 1			AM300AXVANH/EA	AM320AXVANH/EA	AM340AXVANH/EA	AM220AXVANH/EA
	Outdoor unit module 2			AM340AXVANH/EA	AM340AXVANH/EA	AM340AXVANH/EA	AM240AXVANH/EA
	Outdoor unit module 3			-	-	-	AM240AXVANH/EA
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	64	66	68	70
	Cooling Capacity		kW	179.2	184.8	190.4	196.0
			Btu/hr	611,400	630,500	649,600	668,700
	Heating Capacity		kW	189.7	190.4	190.4	220.5
			Btu/hr	647,200	649,600	649,600	752,300
Total capacity of the connected Indoor Units		Min.	kW	89.6	92.4	95.2	98.0
		Max.	kW	233.0	240.2	247.5	254.8
Power	Power Input	Cooling	kW	54.43	59.30	63.46	49.80
		Heating	kW	42.17	42.78	43.26	48.28
	Current Input	Cooling	A	85.40	93.30	99.80	79.00
		Heating	A	66.30	67.30	68.00	75.90
	Current	MCA	A	138.0	141.6	146.0	154.6
		MFA	A	175	175	175	175
Efficiency	COP	Cooling	W/W	3.29	3.12	3.00	3.94
		Heating	W/W	4.50	4.45	4.40	4.57
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 6
	Output		kW x n	(8.93 x 2) x 2	(8.93 x 2) x 2	(8.93 x 2) x 2	(6.67 x 2) x 3
Fan	Quantity		EA	4	4	4	6
	Air Flow Rate		㎥/min	412 x 2	412 x 2	412 x 2	330 x 1 + 344 x 2
			l/s	6,860 x 2	6,860 x 2	6,860 x 2	5,504 x 1 + 5,741 x 2
	External Static Pressure	Max.	㎜Aq	8	8	8	11
			Pa	80	80	80	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(630 x 2) x 2	(630 x 2) x 2	(630 x 2) x 2	(620 x 2) x 3
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)		Φ, ㎜ (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	15.5 x 2	15.5 x 2	15.5 x 2	10.5 x 1 + 14.0 x 2
Sound	Sound Pressure	Cooling	dB(A)	69	69	69	69
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	390 x 2	390 x 2	390 x 2	292 x 1 + 317 x 2
	Shipping Weight		kg	416 x 2	416 x 2	416 x 2	309 x 1 + 334 x 2
	Net Dimensions (WxHxD)		㎜	(1,860 x 1,695 x 765) x 2	(1,860 x 1,695 x 765) x 2	(1,860 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD)		㎜	(1,928 x 1,887 x 829) x 2	(1,928 x 1,887 x 829) x 2	(1,928 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 3
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz



				AM720AXVANH/EA	AM740AXVANH/EA	AM760AXVANH/EA	AM780AXVANH/EA
Model Name	Outdoor unit module 1			AM220AXVANH/EA	AM240AXVANH/EA	AM240AXVANH/EA	AM260AXVANH/EA
	Outdoor unit module 2			AM240AXVANH/EA	AM240AXVANH/EA	AM260AXVANH/EA	AM260AXVANH/EA
	Outdoor unit module 3			AM260AXVANH/EA	AM260AXVANH/EA	AM260AXVANH/EA	AM260AXVANH/EA
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	72	74	76	78
	Cooling Capacity		kW	201.6	207.2	212.8	218.4
			Btu/hr	687,800	707,000	726,000	745,200
	Heating Capacity		kW	223.3	229.6	232.4	235.2
			Btu/hr	761,900	783,400	792,900	802,500
Total capacity of the connected Indoor Units		Min.	kW	100.8	103.6	106.4	109.2
		Max.	kW	262.1	269.4	276.6	283.9
Power	Power Input	Cooling	kW	51.86	52.46	54.52	56.58
		Heating	kW	48.86	50.41	50.99	51.57
	Current Input	Cooling	A	82.60	82.80	86.40	90.00
		Heating	A	76.80	79.20	80.10	81.00
	Current	MCA	A	159.6	170.0	175.0	180.0
		MFA	A	175	200	200	200
Efficiency	COP	Cooling	W/W	3.89	3.95	3.90	3.86
		Heating	W/W	4.57	4.55	4.56	4.56
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 6	Inverter Scroll x 6	Inverter Scroll x 6	Inverter Scroll x 6
	Output		kW x n	(6.67 x 2) x 3	(6.67 x 2) x 3	(6.67 x 2) x 3	(6.67 x 2) x 3
Fan	Quantity		EA	6	6	6	6
	Air Flow Rate		m^3/min	330 x 1 + 344 x 1 + 353 x 1	344 x 2 + 353 x 1	344 x 1 + 353 x 2	353 x 3
			l/s	5,504 x 1 + 5,741 x 1 + 5,882 x 1	5,741 x 2 + 5,882 x 1	5,741 x 1 + 5,882 x 2	5,882 x 3
	External Static Pressure	Max.	mmAq	11	8	8	8
			Pa	110	80	80	80
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)		Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	10.5 x 1 + 14.0 x 2	14.0 x 3	14.0 x 3	14.0 x 3
Sound	Sound Pressure	Cooling	dB(A)	69	70	70	70
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	292 x 1 + 317 x 2	317 x 3	317 x 3	317 x 3
	Shipping Weight		kg	309 x 1 + 334 x 2	334 x 3	334 x 3	334 x 3
	Net Dimensions (WxHxD)		mm	(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
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz





				AM800AXVANH/EA	AM820AXVANH/EA	AM840AXVANH/EA	AM860AXVANH/EA
Model Name	Outdoor unit module 1			AM260AXVANH/EA	AM260AXVANH/EA	AM240AXVANH/EA	AM260AXVANH/EA
	Outdoor unit module 2			AM260AXVANH/EA	AM280AXVANH/EA	AM260AXVANH/EA	AM260AXVANH/EA
	Outdoor unit module 3			AM280AXVANH/EA	AM280AXVANH/EA	AM340AXVANH/EA	AM340AXVANH/EA
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	80	82	84	86
	Cooling Capacity		kW	224.2	230.0	235.2	240.8
			Btu/hr	765,000	784,800	802,500	821,600
	Heating Capacity		kW	235.2	235.2	249.2	252.0
			Btu/hr	802,500	802,500	850,300	859,800
Total capacity of the connected Indoor Units		Min.	kW	112.1	115.0	117.6	120.4
		Max.	kW	291.5	299.0	305.8	313.0
Power	Power Input	Cooling	kW	61.65	66.72	67.39	69.45
		Heating	kW	51.99	52.41	55.43	56.01
	Current Input	Cooling	A	98.00	106.00	106.30	109.90
		Heating	A	81.70	82.40	87.10	88.00
	Current	MCA	A	181.0	182.0	188.0	193.0
		MFA	A	200	200	225	225
Efficiency	COP	Cooling	W/W	3.64	3.45	3.49	3.47
		Heating	W/W	4.52	4.49	4.50	4.50
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 6	Inverter Scroll x 6	Inverter Scroll x 6	Inverter Scroll x 6
	Output		kW x n	(6.67 x 2) x 3	(6.67 x 2) x 3	(6.67 x 2) x 2 + (8.93 x 2) x 1	(6.67 x 2) x 2 + (8.93 x 2) x 1
Fan	Quantity		EA	6	6	6	6
	Air Flow Rate		㎥/min	353 x 3	353 x 3	344 x 1 + 353 x 1 + 412 x 1	353 x 2 + 412 x 1
			l/s	5,882 x 3	5,882 x 3	5,741 x 1 + 5,882 x 1 + 6,860 x 1	5,882 x 2 + 6,860 x 1
	External Static Pressure	Max.	㎜Aq	8	8	8	8
			Pa	80	80	80	80
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 2 + (630 x 2) x 1	(620 x 2) x 2 + (630 x 2) x 1
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)		Φ, ㎜ (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	14.0 x 3	14.0 x 3	14.0 x 2 + 15.5 x 1	14.0 x 2 + 15.5 x 1
Sound	Sound Pressure	Cooling	dB(A)	70	70	70	70
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	317 x 3	317 x 3	317 x 2 + 390 x 1	317 x 2 + 390 x 1
	Shipping Weight		kg	334 x 3	334 x 3	334 x 2 + 416 x 1	334 x 2 + 416 x 1
	Net Dimensions (WxHxD)		㎜	(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 2 + (1,860 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 2 + (1,860 x 1,695 x 765) x 1
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 2 + (1,928 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 2 + (1,928 x 1,887 x 829) x 1
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT | SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz





				AM880AXVANH/EA	AM900AXVANH/EA	AM920AXVANH/EA	AM940AXVANH/EA
Model Name	Outdoor unit module 1			AM280AXVANH/EA	AM280AXVANH/EA	AM260AXVANH/EA	AM260AXVANH/EA
	Outdoor unit module 2			AM260AXVANH/EA	AM280AXVANH/EA	AM320AXVANH/EA	AM340AXVANH/EA
	Outdoor unit module 3			AM340AXVANH/EA	AM340AXVANH/EA	AM340AXVANH/EA	AM340AXVANH/EA
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	88	90	92	94
	Cooling Capacity		kW	246.6	252.4	257.6	263.2
			Btu/hr	841,400	861,200	878,900	898,000
	Heating Capacity		kW	252.0	252.0	268.8	268.8
			Btu/hr	859,800	859,800	917,100	917,100
Total capacity of the connected Indoor Units		Min.	kW	123.3	126.2	128.8	131.6
		Max.	kW	320.6	328.1	334.9	342.2
Power	Power Input	Cooling	kW	74.52	79.59	78.16	82.32
		Heating	kW	56.43	56.85	59.97	60.45
	Current Input	Cooling	A	117.90	125.90	123.30	129.80
		Heating	A	88.70	89.40	94.30	95.00
	Current	MCA	A	194.0	195.0	201.6	206.0
		MFA	A	225	225	225	250
Efficiency	COP	Cooling	W/W	3.31	3.17	3.30	3.20
		Heating	W/W	4.47	4.43	4.48	4.45
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 6	Inverter Scroll x 6	Inverter Scroll x 6	Inverter Scroll x 6
	Output		kW x n	(6.67 x 2) x 2 + (8.93 x 2) x 1	(6.67 x 2) x 2 + (8.93 x 2) x 1	(6.67 x 2) x 1 + (8.93 x 2) x 2	(6.67 x 2) x 1 + (8.93 x 2) x 2
Fan	Quantity		EA	6	6	6	6
	Air Flow Rate		m^3/min	353 x 2 + 412 x 1	353 x 2 + 412 x 1	353 x 1 + 412 x 2	353 x 1 + 412 x 2
			l/s	5,882 x 2 + 6,860 x 1	5,882 x 2 + 6,860 x 1	5,882 x 1 + 6,860 x 2	5,882 x 1 + 6,860 x 2
	External Static Pressure	Max.	mmAq	8	8	8	8
			Pa	80	80	80	80
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2 + (630 x 2) x 1	(620 x 2) x 2 + (630 x 2) x 1	(620 x 2) x 1 + (630 x 2) x 2	(620 x 2) x 1 + (630 x 2) x 2
Piping Connections	Liquid Pipe		Φ, mm (inch)	22.22 (7/8)	22.22 (7/8)	25.40 (1)	25.40 (1)
	Gas Pipe		Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	14.0 x 2 + 15.5 x 1	14.0 x 2 + 15.5 x 1	14.0 x 1 + 15.5 x 2	14.0 x 1 + 15.5 x 2
Sound	Sound Pressure	Cooling	dB(A)	70	70	70	70
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	317 x 2 + 390 x 1	317 x 2 + 390 x 1	317 x 1 + 390 x 2	317 x 1 + 390 x 2
	Shipping Weight		kg	334 x 2 + 416 x 1	334 x 2 + 416 x 1	334 x 1 + 416 x 2	334 x 1 + 416 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2 + (1,860 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 2 + (1,860 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 829) x 2 + (1,928 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 2 + (1,928 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Standard - 50/60 Hz



					AM960AXVANH/EA	AM980AXVANH/EA
Model Name	Outdoor unit module 1				AM300AXVANH/EA	AM300AXVANH/EA
	Outdoor unit module 2				AM320AXVANH/EA	AM340AXVANH/EA
	Outdoor unit module 3				AM340AXVANH/EA	AM340AXVANH/EA
	Outdoor unit module 4				-	-
Power Supply				Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP			HP	96	98
	Cooling Capacity			kW	268.8	274.4
				Btu/hr	917,100	936,200
	Heating Capacity			kW	284.9	284.9
				Btu/hr	972,000	972,000
Total capacity of the connected Indoor Units		Min.		kW	134.4	137.2
		Max.		kW	349.4	356.7
Power	Power Input	Cooling		kW	82.00	86.16
		Heating		kW	63.32	63.80
	Current Input	Cooling		A	128.80	135.30
		Heating		A	99.60	100.30
	Current	MCA		A	206.6	211.0
		MFA		A	250	250
Efficiency	COP	Cooling		W/W	3.28	3.18
		Heating		W/W	4.50	4.47
Casing	Material	Body		-	GI Steel Plate	GI Steel Plate
		Base		-	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al
		Tube		-	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion
Compressor	Type			-	Inverter Scroll x 6	Inverter Scroll x 6
	Output			kW x n	(8.93 x 2) x 3	(8.93 x 2) x 3
Fan	Quantity			EA	6	6
	Air Flow Rate			㎥/min	412 x 3	412 x 3
				l/s	6,860 x 3	6,860 x 3
	External Static Pressure	Max.		㎜Aq	8	8
				Pa	80	80
Fan Motor	Type			-	BLDC Motor	BLDC Motor
	Output			W x n	(630 x 2) x 3	(630 x 2) x 3
Piping Connections	Liquid Pipe (OD)			Φ, ㎜ (inch)	25.40 (1)	25.40 (1)
	Gas Pipe (OD)			Φ, ㎜ (inch)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type			-	R410A	R410A
	Factory Charging			kg	15.5 x 3	15.5 x 3
Sound	Sound Pressure	Cooling		dB(A)	70	70
		Heating		dB(A)	-	-
External Dimension	Net Weight			kg	390 x 3	390 x 3
	Shipping Weight			kg	416 x 3	416 x 3
	Net Dimensions (WxHxD)			㎜	(1,860 x 1,695 x 765) x 3	(1,860 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD)			㎜	(1,928 x 1,887 x 829) x 3	(1,928 x 1,887 x 829) x 3
Operating Temp. Range	Cooling			℃	-5 ~ 50	-5 ~ 50
	Heating			℃	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Energy efficiency- 50/60 Hz



					AM080AXVANH/EA	AM100AXVANH/EA	AM120AXVANH/EA	AM140AXVANH/EA
Model Name	Outdoor unit module 1				-	-	-	-
	Outdoor unit module 2				-	-	-	-
	Outdoor unit module 3				-	-	-	-
	Outdoor unit module 4				-	-	-	-
Power Supply				Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP			HP	8	10	12	14
	Cooling Capacity			kW	22.4	28.0	33.6	40.0
				Btu/hr	76,400	95,500	114,600	136,500
	Heating Capacity			kW	25.2	31.5	37.8	45.0
				Btu/hr	86,000	107,500	129,000	153,500
Total capacity of the connected Indoor Units			Min.	kW	11.2	14.0	16.8	20.0
			Max.	kW	29.1	36.4	43.7	52.0
Power	Power Input		Cooling	kW	4.84	6.29	8.77	10.68
			Heating	kW	4.80	6.30	8.90	11.08
	Current Input		Cooling	A	7.60	9.90	13.80	16.80
			Heating	A	7.50	9.90	14.10	16.90
	Current		MCA	A	19.0	23.0	26.0	29.0
			MFA	A	25	32	32	32
Efficiency	COP		Cooling	W/W	4.63	4.45	3.83	3.75
			Heating	W/W	5.25	5.00	4.25	4.06
Casing	Material		Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
			Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material		Fin	-	Al	Al	Al	Al
			Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type			-	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1
	Output			kW x n	4.60 x 1	6.67 x 1	6.67 x 1	6.67 x 1
Fan	Quantity			EA	1	1	1	1
	Air Flow Rate			m^3/min	174	188	205	201
				l/s	2,906	3,138	3,425	3,346
	External Static Pressure		Max.	mmAq	11	11	8	8
				Pa	110	110	80	80
Fan Motor	Type			-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output			W x n	630 x 1	630 x 1	630 x 1	630 x 1
Piping Connections	Liquid Pipe (OD)			Φ, mm (inch)	9.52 (3/8)	9.52 (3/8)	12.70 (1/2)	12.70 (1/2)
	Gas Pipe (OD)			Φ, mm (inch)	19.05 (3/4)	22.22 (7/8)	28.58 (1-1/8)	28.58 (1-1/8)
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	5.5	5.5	6.2	7.0
Sound	Sound Pressure		Cooling	dB(A)	55	56	60	63
			Heating	dB(A)	-	-	-	-
External Dimension	Net Weight			kg	171	183	187	200
	Shipping Weight			kg	185	197	201	214
	Net Dimensions (WxHxD)			mm	930 x 1,695 x 765	930 x 1,695 x 765	930 x 1,695 x 765	930 x 1,695 x 765
	Shipping Dimensions (WxHxD)			mm	998 x 1,887 x 829	998 x 1,887 x 829	998 x 1,887 x 829	998 x 1,887 x 829
Operating Temp. Range	Cooling			°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating			°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Energy efficiency - 50/60 Hz



					AM160AXVANH/EA	AM180AXVANH/EA	AM200AXVANH/EA	AM220AXVANH/EA
Model Name	Outdoor unit module 1				-	-	-	-
	Outdoor unit module 2				-	-	-	-
	Outdoor unit module 3				-	-	-	-
	Outdoor unit module 4				-	-	-	-
Power Supply				Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP			HP	16	18	20	22
	Cooling Capacity			kW	45.0	50.4	56.0	61.6
				Btu/hr	153,500	172,000	191,000	210,200
	Heating Capacity			kW	50.4	56.7	63.0	69.3
				Btu/hr	172,000	193,500	215,000	236,400
Total capacity of the connected Indoor Units		Min.		kW	22.5	25.2	28.0	30.8
		Max.		kW	58.5	65.5	72.8	80.1
Power	Power Input	Cooling		kW	11.50	13.94	12.18	16.20
		Heating		kW	11.58	13.50	13.55	15.06
	Current Input	Cooling		A	18.00	21.70	19.60	26.20
		Heating		A	18.20	21.20	21.30	23.70
	Current	MCA		A	34.0	39.2	43.0	44.6
		MFA		A	40	50	50	50
Efficiency	COP	Cooling		W/W	3.91	3.62	4.60	3.80
		Heating		W/W	4.35	4.20	4.65	4.60
Casing	Material	Body		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al	Al	Al
		Tube		-	Cu	Cu	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type			-	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 2
	Output			kW x n	8.93 x 1	8.93 x 1	8.93 x 1	6.67 x 2
Fan	Quantity			EA	2	2	2	2
	Air Flow Rate			㎥/min	293	313	330	330
				l/s	4,880	5,217	5,504	5,504
	External Static Pressure	Max.		㎜Aq	11	11	11	11
				Pa	110	110	110	110
Fan Motor	Type			-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output			W x n	620 x 2	620 x 2	620 x 2	620 x 2
Piping Connections	Liquid Pipe (OD)			Φ, ㎜ (inch)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
	Gas Pipe (OD)			Φ, ㎜ (inch)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)	28.58 (1-1/8)
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	8.0	8.0	10.5	10.5
Sound	Sound Pressure	Cooling		dB(A)	59	59	61	64
		Heating		dB(A)	-	-	-	-
External Dimension	Net Weight			kg	234	234	259	292
	Shipping Weight			kg	251	251	276	309
	Net Dimensions (WxHxD)			㎜	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
	Shipping Dimensions (WxHxD)			㎜	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829
Operating Temp. Range	Cooling			℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating			℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Energy efficiency- 50/60 Hz





				AM240AXVANH/EA	AM260AXVANH/EA	AM280AXVANH/EA	AM300AXVANH1EA
Model Name	Outdoor unit module 1			-	-	-	AM200AXVANH/EA
	Outdoor unit module 2			-	-	-	AM100AXVANH/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	24	26	28	30
	Cooling Capacity		kW	67.2	72.8	78.6	84.0
			Btu/hr	229,300	248,400	268,200	286,600
	Heating Capacity		kW	75.6	78.4	78.4	94.5
			Btu/hr	257,900	267,500	267,500	322,400
Total capacity of the connected Indoor Units		Min.	kW	33.6	36.4	39.3	42.0
		Max.	kW	87.4	94.6	102.2	109.2
Power	Power Input	Cooling	kW	16.80	18.86	23.93	18.47
		Heating	kW	16.61	17.19	17.61	19.85
	Current Input	Cooling	A	26.40	30.00	38.00	29.50
		Heating	A	26.10	27.00	27.70	31.20
	Current	MCA	A	55.0	60.0	61.0	66.0
		MFA	A	63	75	75	75
Efficiency	COP	Cooling	W/W	4.00	3.86	3.28	4.55
		Heating	W/W	4.55	4.56	4.45	4.76
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2
	Output		kW x n	6.67 x 2	6.67 x 2	6.67 x 2	(8.93 x 1) x 1 + (6.67 x 1) x 1
Fan	Quantity		EA	2	2	2	3
	Air Flow Rate		m^3/min	344	353	353	330 x 1 + 188 x 1
			l/s	5,741	5,882	5,882	5,504 x 1 + 3,138 x 1
	External Static Pressure	Max.	mmAq	8	8	8	11
			Pa	80	80	80	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	620 x 2	620 x 2	620 x 2	(620 x 2) x 1 + (630 x 1) x 1
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	15.88 (5/8)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, mm (inch)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)	34.92 (1-3/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	14.0	14.0	14.0	10.5 x 1 + 5.5 x 1
Sound	Sound Pressure	Cooling	dB(A)	65	65	65	62
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	317	317	317	259 x 1 + 183 x 1
	Shipping Weight		kg	334	334	334	276 x 1 + 197 x 1
	Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	(1,295 x 1,695 x 765) x 1 + (930 x 1,695 x 765) x 1
	Shipping Dimensions (WxHxD)		mm	1,363 x 1,887 x 829	1,363 x 1,887 x 829	1,363 x 1,887 x 829	(1,363 x 1,887 x 829) x 1 + (998 x 1,887 x 829) x 1
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Energy efficiency - 50/60 Hz





				AM320AXVANH1EA	AM340AXVANH1EA	AM360AXVANH1EA	AM380AXVANH1EA
Model Name	Outdoor unit module 1			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 2			AM120AXVANH/EA	AM140AXVANH/EA	AM160AXVANH/EA	AM180AXVANH/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	32	34	36	38
	Cooling Capacity		kW	89.6	96.0	101.0	106.4
			Btu/hr	305,700	327,500	344,600	363,000
	Heating Capacity		kW	100.8	108.0	113.4	119.7
			Btu/hr	343,900	368,500	386,900	408,400
Total capacity of the connected Indoor Units		Min.	kW	44.8	48.0	50.5	53.2
		Max.	kW	116.5	124.8	131.3	138.3
Power	Power Input	Cooling	kW	20.95	22.86	23.68	26.12
		Heating	kW	22.45	24.63	25.13	27.05
	Current Input	Cooling	A	33.40	36.40	37.60	41.30
		Heating	A	35.40	38.20	39.50	42.50
	Current	MCA	A	69.0	72.0	77.0	82.2
		MFA	A	75	80	90	90
Efficiency	COP	Cooling	W/W	4.28	4.20	4.27	4.07
		Heating	W/W	4.49	4.38	4.51	4.43
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2	Inverter Scroll x 2
	Output		kW x n	(8.93 x 1) x 1 + (6.67 x 1) x 1	(8.93 x 1) x 1 + (6.67 x 1) x 1	(8.93 x 1) x 2	(8.93 x 1) x 2
Fan	Quantity		EA	3	3	4	4
	Air Flow Rate		㎥/min	330 x 1 + 205 x 1	330 x 1 + 201 x 1	330 x 1 + 293 x 1	330 x 1 + 313 x 1
			l/s	5,504x1+ 3,346x1	5,504 x 1 + 3,346 x 1	5,504 x 1 + 4,880 x 1	5,504 x 1 + 5,217 x 1
	External Static Pressure	Max.	㎜Aq	11	11	11	11
			Pa	110	110	110	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 1 + (630 x 1) x 1	(620 x 2) x 1 + (630 x 1) x 1	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, ㎜ (inch)	34.92 (1-3/8)	34.92 (1-3/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	10.5 x 1 + 6.2 x 1	10.5 x 1 + 7.0 x 1	10.5 x 1 + 8.0 x 1	10.5 x 1 + 8.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	64	65	63	63
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	259 x 1 + 187 x 1	259 x 1 + 200 x 1	259 x 1 + 234 x 1	259 x 1 + 234 x 1
	Shipping Weight		kg	276 x 1 + 201 x 1	276 x 1 + 214 x 1	276 x 1 + 251 x 1	276 x 1 + 251 x 1
	Net Dimensions (WxHxD)		㎜	(1,295 x 1,695 x 765) x 1 + (930 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (930 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 1 + (998 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 1 + (998 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.
2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.
4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit
6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Energy efficiency- 50/60 Hz



				AM400AXVANH1EA	AM420AXVANH1EA	AM440AXVANH1EA	AM460AXVANH1EA
Model Name	Outdoor unit module 1			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 2			AM200AXVANH/EA	AM220AXVANH/EA	AM240AXVANH/EA	AM260AXVANH/EA
	Outdoor unit module 3			-	-	-	-
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	40	42	44	46
	Cooling Capacity		kW	112.0	117.6	123.2	128.8
			Btu/hr	382,100	401,200	420,300	439,500
	Heating Capacity		kW	126.0	132.3	138.6	141.4
			Btu/hr	430,000	451,400	472,900	482,400
Total capacity of the connected Indoor Units		Min.	kW	56.0	58.8	61.6	64.4
		Max.	kW	145.6	152.9	160.2	167.4
Power	Power Input	Cooling	kW	24.36	28.38	28.98	31.04
		Heating	kW	27.10	28.61	30.16	30.74
	Current Input	Cooling	A	39.20	45.80	46.00	49.60
		Heating	A	42.60	45.00	47.40	48.30
	Current	MCA	A	86.0	87.6	98.0	103.0
		MFA	A	100	100	125	125
Efficiency	COP	Cooling	W/W	4.60	4.14	4.25	4.15
		Heating	W/W	4.65	4.62	4.60	4.60
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 2	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 3
	Output		kW x n	(8.93 x 1) x 2	(8.93 x 1) x 1 + (6.67 x 2) x 1	(8.93 x 1) x 1 + (6.67 x 2) x 1	(8.93 x 1) x 1 + (6.67 x 2) x 1
Fan	Quantity		EA	4	4	4	4
	Air Flow Rate		m^3/min	330 x 2	330 x 2	330 x 1 + 344 x 1	330 x 1 + 353 x 1
			l/s	5,504 x 2	5,504 x 2	5,504 x 1 + 5,741 x 1	5,504 x 1 + 5,882 x 1
	External Static Pressure	Max.	mmAq	11	11	11	11
			Pa	110	110	110	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2	(620 x 2) x 2
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, mm (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	10.5 x 2	10.5 x 2	10.5 x 1 + 14.0 x 1	10.5 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	64	66	66	66
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	259 x 2	259 x 1 + 292 x 1	259 x 1 + 317 x 1	259 x 1 + 317 x 1
	Shipping Weight		kg	276 x 2	276 x 1 + 309 x 1	276 x 1 + 334 x 1	276 x 1 + 334 x 1
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Energy efficiency - 50/60 Hz





				AM480AXVANH1EA	AM500AXVANH1EA	AM520AXVANH1EA	AM540AXVANH1EA
Model Name	Outdoor unit module 1			AM240AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 2			AM240AXVANH/EA	AM300AXVANH/EA	AM120AXVANH/EA	AM140AXVANH/EA
	Outdoor unit module 3			-	-	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 4			-	-	-	-
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	48	50	52	54
	Cooling Capacity		kW	134.4	140.0	145.6	152.0
			Btu/hr	458,600	477,700	496,800	518,600
	Heating Capacity		kW	151.2	157.5	163.8	171.0
			Btu/hr	515,900	537,400	558,900	583,400
Total capacity of the connected Indoor Units		Min.	kW	67.2	70.0	72.8	76.0
		Max.	kW	174.7	182.0	189.3	197.6
Power	Power Input	Cooling	kW	33.60	34.88	33.13	35.04
		Heating	kW	33.22	34.09	36.00	38.18
	Current Input	Cooling	A	52.80	55.10	53.00	56.00
		Heating	A	52.20	53.60	56.70	59.50
	Current	MCA	A	110.0	108.0	112.0	115.0
		MFA	A	125	125	125	150
Efficiency	COP	Cooling	W/W	4.00	4.01	4.39	4.34
		Heating	W/W	4.55	4.62	4.55	4.48
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 3
	Output		kW x n	(6.67 x 2) x 2	(8.93 x 1) x 1 + (8.93 x 2) x 1	(8.93 x 1) x 1 + (6.67 x 1) x 1 + (8.93 x 1) x 1	(8.93 x 1) x 1 + (6.67 x 1) x 1 + (8.93 x 1) x 1
Fan	Quantity		EA	4	4	5	5
	Air Flow Rate		㎥/min	344 x 2	330 x 1 + 412 x 1	330 x 1 + 205 x 1 + 330 x 1	330 x 1 + 201 x 1 + 330 x 1
			l/s	5,741 x 2	5,504 x 1 + 6,860 x 1	5,504 x 1 + 3,425 x 1 + 5,504 x 1	5,504 x 1 + 3,346 x 1 + 5,504 x 1
	External Static Pressure	Max.	㎜Aq	8	11	11	11
			Pa	80	110	110	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 2	(620 x 2) x 1 + (630 x 2) x 1	(620 x 2) x 1 + (630 x 1) x 1 (620 x 2) x 1	(620 x 2) x 1 + (630 x 1) x 1 + (620 x 2) x 1
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)
	Gas Pipe (OD)		Φ, ㎜ (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	14.0 x 2	10.5 x 1 + 15.5 x 1	10.5 x 1 + 6.2 x 1 + 10.5 x 1	10.5 x 1 + 7.0 x 1 + 10.5 x 1
Sound	Sound Pressure	Cooling	dB(A)	68	66	65	67
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	317 x 2	259 x 1 + 390 x 1	259 x 1 + 187 x 1 + 259 x 1	259 x 1 + 200 x 1 + 259 x 1
	Shipping Weight		kg	334 x 2	276 x 1 + 416 x 1	276 x 1 + 201 x 1 + 276 x 1	276 x 1 + 214 x 1 + 276 x 1
	Net Dimensions (WxHxD)		㎜	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1	(1,295 x 1,695 x 765) x 1 + (930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 1
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 1 + (998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1	(1,363 x 1,887 x 829) x 1 + (998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 1
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Energy efficiency- 50/60 Hz



					AM560AXVANH1EA	AM580AXVANH1EA	AM600AXVANH1EA	AM620AXVANH1EA
Model Name	Outdoor unit module 1				AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 2				AM160AXVANH/EA	AM180AXVANH/EA	AM200AXVANH/EA	AM220AXVANH/EA
	Outdoor unit module 3				AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 4				-	-	-	-
Power Supply				Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP			HP	56	58	60	62
	Cooling Capacity			kW	157.0	162.4	168.0	173.6
				Btu/hr	535,700	554,100	573,200	592,300
	Heating Capacity			kW	176.4	182.7	189.0	195.3
				Btu/hr	601,900	623,400	644,900	666,400
Total capacity of the connected Indoor Units		Min.		kW	78.5	81.2	84.0	86.8
		Max.		kW	204.1	211.1	218.4	225.7
Power	Power Input	Cooling		kW	35.86	38.30	36.54	40.56
		Heating		kW	38.68	40.60	40.65	42.16
	Current Input	Cooling		A	57.20	60.90	58.80	65.40
		Heating		A	60.80	63.80	63.90	66.30
	Current	MCA		A	120.0	125.2	129.0	130.6
		MFA		A	150	150	150	150
Efficiency	COP	Cooling		W/W	4.38	4.24	4.60	4.28
		Heating		W/W	4.56	4.50	4.65	4.63
Casing	Material	Body		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base		-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type			-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin		-	Al	Al	Al	Al
		Tube		-	Cu	Cu	Cu	Cu
	Fin Treatment			-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type			-	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 3	Inverter Scroll x 4
	Output			kW x n	(8.93 x 1) x 3	(8.93 x 1) x 3	(8.93 x 1) x 3	(8.93 x 1) x 1 + (6.67 x 2) x 1 + (8.93 x 1) x 1
Fan	Quantity			EA	6	6	6	6
	Air Flow Rate			㎥/min	330 x 1 + 293 x 1 + 330 x 1	330 x 1 + 313 x 1 + 330 x 1	330 x 3	330 x 3
				l/s	5,504 x 1 + 4,880 x 1 + 5,504 x 1	5,504 x 1 + 5,217 x 1 + 5,504 x 1	5,504 x 3	5,504 x 3
	External Static Pressure	Max.		㎜Aq	11	11	11	11
				Pa	110	110	110	110
Fan Motor	Type			-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output			W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 3
Piping Connections	Liquid Pipe (OD)			Φ, ㎜ (inch)	19.05 (3/4)	19.05 (3/4)	19.05 (3/4)	22.22 (7/8)
	Gas Pipe (OD)			Φ, ㎜ (inch)	41.28 (1-5/8)	41.28 (1-5/8)	41.28 (1-5/8)	53.98 (2-1/8)
Refrigerant	Type			-	R410A	R410A	R410A	R410A
	Factory Charging			kg	10.5 x 1 + 8.0 x 1 + 10.5 x 1	10.5 x 1 + 8.0 x 1 + 10.5 x 1	10.5 x 3	10.5 x 3
Sound	Sound Pressure	Cooling		dB(A)	65	65	66	67
		Heating		dB(A)	-	-	-	-
External Dimension	Net Weight			kg	259 x 1 + 234 x 1 + 259 x 1	259 x 1 + 234 x 1 + 259 x 1	259 x 3	259 x 1 + 292 x 1 + 259 x 1
	Shipping Weight			kg	276 x 1 + 251 x 1 + 276 x 1	276 x 1 + 251 x 1 + 276 x 1	276 x 3	276 x 1 + 309 x 1 + 276 x 1
	Net Dimensions (WxHxD)			㎜	(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
	Shipping Dimensions (WxHxD)			㎜	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3
Operating Temp. Range	Cooling			℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating			℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Energy efficiency - 50/60 Hz





				AM640AXVANH1EA	AM660AXVANH1EA	AM680AXVANH1EA	AM700AXVANH1EA
Model Name	Outdoor unit module 1			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 2			AM240AXVANH/EA	AM260AXVANH/EA	AM080AXVANH/EA	AM100AXVANH/EA
	Outdoor unit module 3			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 4			-	-	AM200AXVANH/EA	AM200AXVANH/EA
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	64	66	68	70
	Cooling Capacity		kW	179.2	184.8	190.4	196.0
			Btu/hr	611,400	630,500	649,600	668,700
	Heating Capacity		kW	201.6	204.4	214.2	220.5
			Btu/hr	687,800	697,400	730,800	752,300
Total capacity of the connected Indoor Units		Min.	kW	89.6	92.4	95.2	98.0
		Max.	kW	233.0	240.2	247.5	254.8
Power	Power Input	Cooling	kW	41.16	43.22	41.38	42.83
		Heating	kW	43.71	44.29	45.45	46.95
	Current Input	Cooling	A	65.60	69.20	66.40	68.70
		Heating	A	68.70	69.60	71.40	73.80
	Current	MCA	A	141.0	146.0	148.0	152.0
		MFA	A	175	175	175	175
Efficiency	COP	Cooling	W/W	4.35	4.28	4.60	4.58
		Heating	W/W	4.61	4.62	4.71	4.70
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4
	Output		kW x n	(8.93 x 1) x 1 + (6.67 x 2) x 1 + (8.93 x 1) x 1	(8.93 x 1) x 1 + (6.67 x 2) x 1 + (8.93 x 1) x 1	(8.93 x 1) x 1 + (4.60 x 1) x 1 + (8.93 x 1) x 2	(8.93 x 1) x 1 + (6.67 x 1) x 1 + (8.93 x 1) x 2
Fan	Quantity		EA	6	6	7	7
	Air Flow Rate		㎥/min	330 x 1 + 344 x 1 + 330 x 1	330 x 1 + 353 x 1 + 330 x 1	330 x 1 + 174 x 1 + 330 x 2	330 x 1 + 188 x 1 + 330 x 2
			l/s	5,504 x 1 + 5,741 x 1 + 5,504 x 1	5,504 x 1 + 5,882 x 1 + 5,504 x 1	5,504 x 1 + 2,906 x 1 + 5,504 x 2	5,504 x 1 + 3,138 x 1 + 5,504 x 2
	External Static Pressure	Max.	㎜Aq	11	11	11	11
			Pa	110	110	110	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 3	(620 x 2) x 3	(620 x 2) x 1 + (630 x 1) x 1 + (620 x 2) x 2	(620 x 2) x 1 + (630 x 1) x 1 + (620 x 2) x 2
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)		Φ, ㎜ (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	10.5 x 1 + 14.0 x 1 + 10.5 x 1	10.5 x 1 + 14.0 x 1 + 10.5 x 1	10.5 x 1 + 5.5 x 1 + 10.5 x 2	10.5 x 1 + 5.5 x 1 + 10.5 x 2
Sound	Sound Pressure	Cooling	dB(A)	68	68	66	66
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	259 x 1 + 317 x 1 + 259 x 1	259 x 1 + 317 x 1 + 259 x 1	259 x 1 + 171 x 1 + 259 x 2	259 x 1 + 183 x 1 + 259 x 2
	Shipping Weight		kg	276 x 1 + 334 x 1 + 276 x 1	276 x 1 + 334 x 1 + 276 x 1	276 x 1 + 185 x 1 + 276 x 2	276 x 1 + 197 x 1 + 276 x 2
	Net Dimensions (WxHxD)		㎜	(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 1 + (930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 3	(1,363 x 1,887 x 829) x 1 + (998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT | SPECIFICATION

HEAT PUMP

Energy efficiency- 50/60 Hz





				AM720AXVANH1EA	AM740AXVANH1EA	AM760AXVANH1EA	AM780AXVANH1EA
Model Name	Outdoor unit module 1			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 2			AM120AXVANH/EA	AM140AXVANH/EA	AM160AXVANH/EA	AM180AXVANH/EA
	Outdoor unit module 3			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 4			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	72	74	76	78
	Cooling Capacity		kW	201.6	208.0	213.0	218.4
			Btu/hr	687,800	709,700	726,700	745,200
	Heating Capacity		kW	226.8	234.0	239.4	245.7
			Btu/hr	773,800	798,400	816,800	838,300
Total capacity of the connected Indoor Units		Min.	kW	100.8	104.0	106.5	109.2
		Max.	kW	262.1	270.4	276.9	283.9
Power	Power Input	Cooling	kW	45.31	47.22	48.04	50.48
		Heating	kW	49.55	51.73	52.23	54.15
	Current Input	Cooling	A	72.60	75.60	76.80	80.50
		Heating	A	78.00	80.80	82.10	85.10
	Current	MCA	A	155.0	158.0	163.0	168.2
		MFA	A	175	175	200	200
Efficiency	COP	Cooling	W/W	4.45	4.40	4.43	4.33
		Heating	W/W	4.58	4.52	4.58	4.54
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4	Inverter Scroll x 4
	Output		kW x n	(8.93 x 1) x 1 + (6.67 x 1) x 1 + (8.93 x 1) x 2	(8.93 x 1) x 1 + (6.67 x 1) x 1 + (8.93 x 1) x 2	(8.93 x 1) x 4	(8.93 x 1) x 4
Fan	Quantity		EA	7	7	8	8
	Air Flow Rate		㎥/min	330 x 1 + 205 x 1 + 330 x 2	330 x 1 + 201 x 1 + 330 x 2	330 x 1 + 293 x 1 + 330 x 2	330 x 1 + 313 x 1 + 330 x 2
			l/s	5,504 x 1 + 3,425 x 1 + 5,504 x 2	5,504 x 1 + 3,346 x 1 + 5,504 x 2	5,504 x 1 + 4,880 x 1 + 5,504 x 2	5,504 x 1 + 5,217 x 1 + 5,504 x 2
	External Static Pressure	Max.	㎜Aq	11	11	11	11
			Pa	110	110	110	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 1 + (630 x 1) x 1 + (620 x 2) x 2	(620 x 2) x 1 + (630 x 1) x 1 + (620 x 2) x 2	(620 x 2) x 4	(620 x 2) x 4
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)		Φ, ㎜ (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	10.5 x 1 + 6.2 x 1 + 10.5 x 2	10.5 x 1 + 7.0 x 1 + 10.5 x 2	10.5 x 1 + 8.0 x 1 + 10.5 x 2	10.5 x 1 + 8.0 x 1 + 10.5 x 2
Sound	Sound Pressure	Cooling	dB(A)	67	68	67	67
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	259 x 1 + 187 x 1 + 259 x 2	259 x 1 + 200 x 1 + 259 x 2	259 x 1 + 234 x 1 + 259 x 2	259 x 1 + 234 x 1 + 259 x 2
	Shipping Weight		kg	276 x 1 + 201 x 1 + 276 x 2	276 x 1 + 214 x 1 + 276 x 2	276 x 1 + 251 x 1 + 276 x 2	276 x 1 + 251 x 1 + 276 x 2
	Net Dimensions (WxHxD)		㎜	(1,295 x 1,695 x 765) x 1 + (930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (930 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 1 + (998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (998 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 4	(1,363 x 1,887 x 829) x 4
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Energy efficiency - 50/60 Hz



				AM800AXVANH1EA	AM820AXVANH1EA	AM840AXVANH1EA	AM860AXVANH1EA
Model Name	Outdoor unit module 1			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 2			AM200AXVANH/EA	AM220AXVANH/EA	AM240AXVANH/EA	AM260AXVANH/EA
	Outdoor unit module 3			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 4			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	80	82	84	86
	Cooling Capacity		kW	224.0	229.6	235.2	240.8
			Btu/hr	764,300	783,400	802,500	821,600
	Heating Capacity		kW	252.0	258.3	264.6	267.4
			Btu/hr	859,800	881,300	902,800	912,400
Total capacity of the connected Indoor Units		Min.	kW	112.0	114.8	117.6	120.4
		Max.	kW	291.2	298.5	305.8	313.0
Power	Power Input	Cooling	kW	48.72	52.74	53.34	55.40
		Heating	kW	54.20	55.71	57.26	57.84
	Current Input	Cooling	A	78.40	85.00	85.20	88.80
		Heating	A	85.20	87.60	90.00	90.90
	Current	MCA	A	172.0	173.6	184.0	189.0
		MFA	A	200	200	225	225
Efficiency	COP	Cooling	W/W	4.60	4.35	4.41	4.35
		Heating	W/W	4.65	4.64	4.62	4.62
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 4	Inverter Scroll x 5	Inverter Scroll x 5	Inverter Scroll x 5
	Output		kW x n	(8.93 x 1) x 4	(8.93 x 1) x 1 + (6.67 x 2) x 1 + (8.93 x 1) x 2	(8.93 x 1) x 1 + (6.67 x 2) x 1 + (8.93 x 1) x 2	(8.93 x 1) x 1 + (6.67 x 2) x 1 + (8.93 x 1) x 2
Fan	Quantity		EA	8	8	8	8
	Air Flow Rate		㎥/min	330 x 4	330 x 4	330 x 1 + 344 x 1 + 330 x 2	330 x 1 + 353 x 1 + 330 x 2
			l/s	5,504 x 4	5,504 x 4	5,504 x 1 + 5,741 x 1 + 5,504 x 2	5,504 x 1 + 5,882 x 1 + 5,504 x 2
	External Static Pressure	Max.	㎜Aq	11	11	11	11
			Pa	110	110	110	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 4	(620 x 2) x 4	(620 x 2) x 4	(620 x 2) x 4
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)	22.22 (7/8)
	Gas Pipe (OD)		Φ, ㎜ (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	10.5 x 4	10.5 x 4	10.5 x 1 + 14.0 x 1 + 10.5 x 2	10.5 x 1 + 14.0 x 1 + 10.5 x 2
Sound	Sound Pressure	Cooling	dB(A)	67	68	68	68
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	259 x 4	259 x 1 + 292 x 1 + 259 x 2	259 x 1 + 317 x 1 + 259 x 2	259 x 1 + 317 x 1 + 259 x 2
	Shipping Weight		kg	276 x 4	276 x 1 + 309 x 1 + 276 x 2	276 x 1 + 334 x 1 + 276 x 2	276 x 1 + 334 x 1 + 276 x 2
	Net Dimensions (WxHxD)		㎜	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 4	(1,363 x 1,887 x 829) x 4	(1,363 x 1,887 x 829) x 4	(1,363 x 1,887 x 829) x 4
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Energy efficiency- 50/60 Hz





				AM880AXVANH1EA	AM900AXVANH1EA	AM920AXVANH1EA	AM940AXVANH1EA
Model Name	Outdoor unit module 1			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 2			AM280AXVANH/EA	AM300AXVANH/EA	AM320AXVANH/EA	AM300AXVANH/EA
	Outdoor unit module 3			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 4			AM200AXVANH/EA	AM200AXVANH/EA	AM200AXVANH/EA	AM240AXVANH/EA
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	88	90	92	94
	Cooling Capacity		kW	246.6	252.0	257.6	263.2
			Btu/hr	841,400	859,800	878,900	898,000
	Heating Capacity		kW	267.4	283.5	284.2	296.1
			Btu/hr	912,400	967,300	969,700	1,010,300
Total capacity of the connected Indoor Units		Min.	kW	123.3	126.0	128.8	131.6
		Max.	kW	320.6	327.6	334.9	342.2
Power	Power Input	Cooling	kW	60.47	59.24	64.11	63.86
		Heating	kW	58.26	61.19	61.80	64.25
	Current Input	Cooling	A	96.80	94.30	102.20	101.10
		Heating	A	91.60	96.20	97.20	101.00
	Current	MCA	A	190.0	194.0	197.6	206.0
		MFA	A	225	225	225	250
Efficiency	COP	Cooling	W/W	4.08	4.25	4.02	4.12
		Heating	W/W	4.59	4.63	4.60	4.61
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al	Al	Al
		Tube	-	Cu	Cu	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 5	Inverter Scroll x 5	Inverter Scroll x 5	Inverter Scroll x 6
	Output		kW x n	(8.93 x 1) x 1 + (6.67 x 2) x 1 + (8.93 x 1) x 2	(8.93 x 1) x 1 + (8.93 x 2) x 1 + (8.93 x 1) x 2	(8.93 x 1) x 1 + (8.93 x 2) x 1 + (8.93 x 1) x 2	(8.93 x 1) x 1 + (8.93 x 2) x 1 + (8.93 x 1) x 1 + (6.67 x 2) x 1
Fan	Quantity		EA	8	8	8	8
	Air Flow Rate		㎥/min	330 x 1 + 353 x 1 + 330 x 2	330 x 1 + 412 x 1 + 330 x 2	330 x 1 + 412 x 1 + 330 x 2	330 x 1 + 412 x 1 + 330 x 1 + 344 x 1
			l/s	5,504 x 1 + 5,882 x 1 + 5,504 x 2	5,504 x 1 + 6,860 x 1 + 5,504 x 2	5,504 x 1 + 6,860 x 1 + 5,504 x 2	5,504 x 1 + 6,860 x 1 + 5,504 x 1 + 5,741 x 1
	External Static Pressure	Max.	㎜Aq	11	11	11	11
			Pa	110	110	110	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 4	(620 x 2) x 1 + (630 x 2) x 1 + (620 x 2) x 2	(620 x 2) x 1 + (630 x 2) x 1 + (620 x 2) x 2	(620 x 2) x 1 + (630 x 2) x 1 + (620 x 2) x 2
Piping Connections	Liquid Pipe (OD)		Φ, ㎜ (inch)	22.22 (7/8)	22.22 (7/8)	25.40 (1)	25.40 (1)
	Gas Pipe (OD)		Φ, ㎜ (inch)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	10.5 x 1 + 14.0 x 1 + 10.5 x 2	10.5 x 1 + 15.5 x 1 + 10.5 x 2	10.5 x 1 + 15.5 x 1 + 10.5 x 2	10.5 x 1 + 15.5 x 1 + 10.5 x 1 + 14.0 x 1
Sound	Sound Pressure	Cooling	dB(A)	68	68	68	69
		Heating	dB(A)	-	-	-	-
External Dimension	Net Weight		kg	259 x 1 + 317 x 1 + 259 x 2	259 x 1 + 390 x 1 + 259 x 2	259 x 1 + 390 x 1 + 259 x 2	259 x 1 + 390 x 1 + 259 x 1 + 317 x 1
	Shipping Weight		kg	276 x 1 + 334 x 1 + 276 x 2	276 x 1 + 416 x 1 + 276 x 2	276 x 1 + 416 x 1 + 276 x 2	276 x 1 + 416 x 1 + 276 x 1 + 334 x 1
	Net Dimensions (WxHxD)		㎜	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		㎜	(1,363 x 1,887 x 829) x 4	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		℃	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

OUTDOOR UNIT I SPECIFICATION

HEAT PUMP

Energy efficiency - 50/60 Hz



				AM960AXVANH1EA	AM980AXVANH1EA
Model Name	Outdoor unit module 1			AM200AXVANH/EA	AM200AXVANH/EA
	Outdoor unit module 2			AM300AXVANH/EA	AM300AXVANH/EA
	Outdoor unit module 3			AM200AXVANH/EA	AM240AXVANH/EA
	Outdoor unit module 4			AM260AXVANH/EA	AM240AXVANH/EA
Power Supply			Ø, #, V, Hz	3,4,380~415,50/60	3,4,380~415,50/60
Performance	HP		HP	96	98
	Cooling Capacity		kW	268.8	274.4
			Btu/hr	917,100	936,200
	Heating Capacity		kW	298.9	308.7
			Btu/hr	1,019,900	1,053,300
Total capacity of the connected Indoor Units		Min.	kW	134.4	137.2
		Max.	kW	349.4	356.7
Power	Power Input	Cooling	kW	65.92	68.48
		Heating	kW	64.83	67.31
	Current Input	Cooling	A	104.70	107.90
		Heating	A	101.90	105.80
	Current	MCA	A	211.0	218.0
		MFA	A	250	250
Efficiency	COP	Cooling	W/W	4.08	4.01
		Heating	W/W	4.61	4.59
Casing	Material	Body	-	GI Steel Plate	GI Steel Plate
		Base	-	GI Steel Plate	GI Steel Plate
Heat Exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Inverter Scroll x 6	Inverter Scroll x 7
	Output		kW x n	(8.93 x 1) x 1 + (8.93 x 2) x 1 + (8.93 x 1) x 1 + (6.67 x 2) x 1	(8.93 x 1) x 1 + (8.93 x 2) x 1 + (6.67 x 2) x 2
Fan	Quantity		EA	8	8
	Air Flow Rate		m³/min	330 x 1 + 412 x 1 + 330 x 1 + 353 x 1	330 x 1 + 412 x 1 + 344 x 2
			l/s	5,504 x 1 + 6,860 x 1 + 5,504 x 1 + 5,882 x 1	5,504 x 1 + 6,860 x 1 + 5,741 x 2
	External Static Pressure	Max.	mmAq	11	11
			Pa	110	110
Fan Motor	Type		-	BLDC Motor	BLDC Motor
	Output		W x n	(620 x 2) x 1 + (630 x 2) x 1 + (620 x 2) x 2	(620 x 2) x 1 + (630 x 2) x 1 + (620 x 2) x 2
Piping Connections	Liquid Pipe (OD)		Φ, mm (inch)	25.40 (1)	25.40 (1)
	Gas Pipe (OD)		Φ, mm (inch)	53.98 (2-1/8)	53.98 (2-1/8)
Refrigerant	Type		-	R410A	R410A
	Factory Charging		kg	10.5 x 1 + 15.5 x 1 + 10.5 x 1 + 14.0 x 1	10.5 x 1 + 15.5 x 1 + 14.0 x 2
Sound	Sound Pressure	Cooling	dB(A)	69	70
		Heating	dB(A)	-	-
External Dimension	Net Weight		kg	259 x 1 + 390 x 1 + 259 x 1 + 317 x 1	259 x 1 + 390 x 1 + 317 x 2
	Shipping Weight		kg	276 x 1 + 416 x 1 + 276 x 1 + 334 x 1	276 x 1 + 416 x 1 + 334 x 2
	Net Dimensions (WxHxD)		mm	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 1 + (1,860 x 1,695 x 765) x 1 + (1,295 x 1,695 x 765) x 2
	Shipping Dimensions (WxHxD)		mm	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2	(1,363 x 1,887 x 829) x 1 + (1,928 x 1,887 x 829) x 1 + (1,363 x 1,887 x 829) x 2
Operating Temp. Range	Cooling		°C	-5 ~ 50	-5 ~ 50
	Heating		°C	-25 ~ 24	-25 ~ 24

NOTE:
• Specification may be subject to change without prior notice.
1) Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, Level differences 0m
- Performance of Multiple Module Outdoor unit is weighted average of Single Module outdoor units.

2) Allowed combination ratio of the total rated indoor unit capacity over the rated outdoor unit capacity is 50~130%.
3) Sound pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Sound values of multi combination are theoretical values based on sound results of individual installed units.

4) These products contain R410A which is fluorinated greenhouse gas.
5) If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under.
(If the level difference is higher than 50m, make a decision by PDM kit installation Guide software whether the PDM kit should be installed or not.)
- PDM kit: Pressure Drop Modulation kit

6) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter

DVM S ECO COOLING ONLY | SPECIFICATION



Model Name		AM040TXMNEC/EA	AM050TXMNEC/EA	AM060TXMNKC/EA
Features	Type	DVM S Eco	DVM S Eco	DVM S Eco
Power Supply (Φ, #, V, Hz)		1, 2, 220-240, 50	1, 2, 220-240, 50	1,2,220-240,50/60
System	Model	COOLING ONLY	COOLING ONLY	COOLING ONLY
Capacity	HP	4.00	5.00	6.00
	Cooling (kW)	11.2	14.0	15.5
	Cooling (Btu/h)	38,200	47,800	52,900
	Heating (kW)	-	-	-
	Heating (Btu/h)	-	-	-
Power Input (Nominal)	Cooling (kW)	3	4	4.65
	Heating (kW)	-	-	-
Current Input (Nominal)	Cooling (A)	15.2	20.2	23.10
	Heating (A)	-	-	-
	MCA (A)	24.0	24.0	30.0
	MFA (A)	32.00	32.00	40.00
Energy Eficiency Ratio (COP)	Cooling (W/W)	3.73	3.5	3.33
	Heating (W/W)	-	-	-
Compressor	Type	Inverter Rotary	Inverter Rotary	Inverter Rotary
	Output kW × n	(4.04) x 1	(4.04) x 1	(4.04) x 1
	Model Name	UG5TK5450FJXS1	UG5TK5450FJXS1	UG5TK5450FJX
	OilType	PVE	PVE	PVE
	Oil Initial Charge (cc)	1700	1700	1700
Fan	Type	Propeller	Propeller	Propeller
	Motor Output x n (W)	125.0 x 1	139 x 1	139 x 1
	Air Flow Rate (CMM)	64	70	75
	Air Flow Rate (l/s)	1067	1167	1250
Piping Connections	Liquid Pipe (Φ,mm)	9.52	9.52	9.52
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ,mm)	15.88	15.88	19.05
	Gas Pipe (Φ, inch)	5/8"	5/8"	3/4"
	Installation Limitation Max. Length (m)	30	30	50
	Installation Limitation Max. Height (m)	15.0	15.0	30.0
Refrigerant	Type	R410A	R410A	R410A
	Factory Charging (kg)	2.00	2.5	2.5
Sound	Sound Pressure dB(A)	52.0	55.0	55.0
External Dimension	Net Weight (kg)	79.0	83.5	84.0
	Shipping Weight (kg)	84.5	89	89.5
	Net Dimensions (WxHxD) (mm)	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330
	Shipping Dimensions (WxHxD)	995 x 1096 x 426	995 x 1096 x 426	995 x 1096 x 426
Operating Temp. Range	Cooling (°C)	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating (°C)	-	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) 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) 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) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter
4) 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 combination are theoretical values based on sound results of individual installed units.
5) These products contain R410A which is fluorinated greenhouse gas.

DVM S ECO COOLING ONLY I SPECIFICATION



Model Name		AM080TXMNNC/EA	AM100TXMDNC/EA
Features	Type	DVM S Eco	DVM S Eco
Power Supply (Φ, #, V, Hz)		3,4,380-415,50/60	3,4,380-415,50/60
System	Model	COOLING ONLY	COOLING ONLY
Capacity	HP	8.00	10.00
	Cooling (kW)	22.40	29.00
	Cooling (Btu/h)	76,400	99,000
	Heating (kW)	-	-
	Heating (Btu/h)	-	-
Power Input (Nominal)	Cooling (kW)	6.90	7.30
	Heating (kW)	-	-
Current Input (Nominal)	Cooling (A)	11.70	11.70
	Heating (A)	-	-
	MCA (A)	18.40	21.50
	MFA (A)	25.00	30.00
Energy Eficiency Ratio (COP)	Cooling (W/W)	3.25	3.97
	Heating (W/W)	-	-
Compressor	Type	Interver Rotary	SSC Scroll
	Output kW × n	(4.92) x 1	(5.18) x 1
	Model Name	UG5T520FUBJX	DS-GB052FAVB
	OilType	PVE	PVE
	Oil Initial Charge (cc)	1700	1200
Fan	Type	Propeller / BLDC	Propeller / BLDC
	Motor Output x n (W)	139.0 x 2	244.0 x 2
	Air Flow Rate (CMM)	135	190
	Air Flow Rate (l/s)	2,250.00	3167
Piping Connections	Liquid Pipe (Φ,mm)	9.52	9.52
	Liquid Pipe (Φ, inch)	3/8"	3/8"
	Gas Pipe (Φ,mm)	19.05	22.22
	Gas Pipe (Φ, inch)	3/4"	7/8"
	Installation Limitation Max. Length (m)	100	160
	Installation Limitation Max. Height (m)	30.0	50.0
Refrigerant	Type	R410A	R410A
	Factory Charging (kg)	3.70	3.70
Sound	Sound Pressure dB(A)	59.0	58.0
External Dimension	Net Weight (kg)	115.0	143.0
	Shipping Weight (kg)	125.0	156.0
	Net Dimensions (WxHxD) (mm)	940 x 1,420 x 330	940 x 1,630 x 460
	Shipping Dimensions (WxHxD)	995 x 1,578 x 426	1,020 x 1,820 x 575
Operating Temp. Range	Cooling (°C)	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating (°C)	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) 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) 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) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter
4) 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 combination are theoretical values based on sound results of individual installed units.
5) These products contain R410A which is fluorinated greenhouse gas.

DVM S ECO COOLING ONLY | SPECIFICATION



Model Name		AM120TXMDNC/EA	AM140TXMDNC/EA
Features	Type	DVM S Eco	DVM S Eco
Power Supply (Φ, #, V, Hz)		3,4,380-415,50/60	3,4,380-415,50/60
System	Model	COOLING ONLY	COOLING ONLY
Capacity	HP	12.00	14.00
	Cooling (kW)	33.60	40.00
	Cooling (Btu/h)	114,600	136,500
	Heating (kW)	-	-
	Heating (Btu/h)	-	-
Power Input (Nominal)	Cooling (kW)	8.77	10.59
	Heating (kW)	-	-
Current Input (Nominal)	Cooling (A)	13.74	16.48
	Heating (A)	-	-
	MCA (A)	23.50	32.00
	MFA (A)	30.00	40.00
Energy Eficiency Ratio (COP)	Cooling (W/W)	3.83	3.78
	Heating (W/W)	-	-
Compressor	Type	SSC Scroll	SSC Scroll
	Output kW × n	(6 39) x 1	(6.76) x 1
	Model Name	DS-GB066FAVB	DS-GB070FAVA
	OilType	PVE	PVE
	Oil Initial Charge (cc)	1200	1200
Fan	Type	Propeller / BLDC	Propeller / BLDC
	Motor Output x n (W)	244.0 x 2	244.0 x 2
	Air Flow Rate (CMM)	201	201
	Air Flow Rate (l/s)	3,350.00	3,350.00
Piping Connections	Liquid Pipe (Φ,mm)	12.70	12.70
	Liquid Pipe (Φ, inch)	1/2"	1/2"
	Gas Pipe (Φ,mm)	28.58	28.58
	Gas Pipe (Φ, inch)	1 1/8"	1 1/8"
	Installation Limitation Max. Length (m)	160	160
	Installation Limitation Max. Height (m)	50.0	50.0
Refrigerant	Type	R410A	R410A
	Factory Charging (kg)	4.30	4.80
Sound	Sound Pressure dB(A)	61.0	62.0
External Dimension	Net Weight (kg)	153.0	160.0
	Shipping Weight (kg)	166.0	173.0
	Net Dimensions (WxHxD) (mm)	940 x 1,630 x 460	940 x 1,630 x 460
	Shipping Dimensions (WxHxD)	1,020 x 1,820 x 575	1,020 x 1,820 x 575
Operating Temp. Range	Cooling (°C)	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating (°C)	-	-

NOTE:
• Specification may be subject to change without prior notice.
1) 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) 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) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter
4) 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 combination are theoretical values based on sound results of individual installed units.
5) These products contain R410A which is fluorinated greenhouse gas.

DVM S ECO HEAT PUMP I SPECIFICATION



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

NOTE:
• Specification may be subject to change without prior notice.
1) 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) 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) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter
4) 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 combination are theoretical values based on sound results of individual installed units.
5) These products contain R410A which is fluorinated greenhouse gas.

DVM S ECO HEAT PUMP | SPECIFICATION



Model Name		AM060FXMDGH/EU	AM070TXMDEH/EA
Features	Type	DVM S ECO	DVM S ECO
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	1,2,220-240,50
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	HP	6	7
	Cooling [kW]	15.5	18.10
	Cooling [Btu/hr]	52,900	61,801
	Heating [kW]	18.0	20.00
	Heating [Btu/hr]	61,400	68,288.5
Maximum number of connectible indoor units [ea]		9	10
Power Input (Nominal)	Cooling [kW]	4.31	5.43
	Heating [kW]	4.39	4.70
Current Input (Nominal)	Cooling [A]	7.3	25.50
	Heating [A]	6.9	22.5
	MCA [A]	12.0	32.00
	MFA [A]	20.0	40.00
Energy Efficiency Ratio (COP)	Cooling [W/W]	3.60	3.33
	Heating [W/W]	4.10	4.26
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Output [kW x n]	(4.12) x 1	(4.71) x 1
	Model Name	UG5T450FUFJXSG	UG5TM5520FJX
	Oil Type	PVE	PVE
	Oil Initial Charge [cc]	1,700.0	1700
Fan	Type	Propeller	Propeller
	Output x n [W]	125 x 2	139.0 X 2
	Air Flow Rate [CMM]	100.00	150
	Air Flow Rate [l/s]	1,666.7	2,500.00
	External Static Pressure (Max) [mmAq]	3.00	-
	External Static Pressure (Max) [Pa]	29.40	-
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8	3/8"
	Gas Pipe [Ø, mm]	19.05	19.05
	Gas Pipe [Ø, inch]	3/4	3/4"
	Installation Limitation [Max Length]	150	100
	Installation Limitation [Max Height]	50	30.0
Refrigerant	Type	R410A	R410A
	Factory Charging [kg]	3.3	3.70
Sound	Sound Pressure [dB(A)]	53	59.0
External Dimension (Outdoor Unit)	Net Weight [kg]	103	115.0
	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330	940 X 1,420 X 330
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating [°C]	-20.0 ~ 26	-20.0 ~ 24.0

NOTE:
• Specification may be subject to change without prior notice.
1) 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) 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) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter
4) 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 combination are theoretical values based on sound results of individual installed units.
5) These products contain R410A which is fluorinated greenhouse gas.

DVM S ECO HEAT PUMP I SPECIFICATION



Model Name		AM080MXMDGH/EU	AM100KXMDGH/EU
Features	Type	DVM S ECO	DVM S ECO
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	HP	8	10
	Cooling [kW]	22.4	28.0
	Cooling [Btu/hr]	76,400	95,500
	Heating [kW]	22.4	31.5
	Heating [Btu/hr]	76,400	107,500
Maximum number of connectible indoor units [ea]		13	18
Power Input (Nominal)	Cooling [kW]	6.9	7.29
	Heating [kW]	5.8	6.74
Current Input (Nominal)	Cooling [A]	11.7	11.51
	Heating [A]	9.5	10.58
	MCA [A]	18.4	21.5
	MFA [A]	25	30.0
Energy Efficiency Ratio (COP)	Cooling [W/W]	3.25	3.84
	Heating [W/W]	3.86	4.67
Compressor	Type	Twin BLDC Rotary	Inverter Scroll
	Output [kW x n]	(4.92) x 1	(5.18) x 1
	Model Name	UG5T520FUBJX	DS-GB052FAVB
	Oil Type	PVE	PVE
	Oil Initial Charge [cc]	1,700	2,300.0
Fan	Type	Propeller	Propeller
	Output x n [W]	139 x 2	244 x 2
	Air Flow Rate [CMM]	135	165.00
	Air Flow Rate [l/s]	2,250	2,750.0
	External Static Pressure (Max) [mmAq]	3.00	3.00
	External Static Pressure (Max) [Pa]	29.4	29.40
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Liquid Pipe [Ø, inch]	3/8	3/8
	Gas Pipe [Ø, mm]	19.05	22.22
	Gas Pipe [Ø, inch]	3/4	7/8
	Installation Limitation [Max Length]	100	160
	Installation Limitation [Max Height]	30	50
Refrigerant	Type	R410A	R410A
	Factory Charging [kg]	3.7	3.7
Sound	Sound Pressure [dB(A)]	59	58
External Dimension (Outdoor Unit)	Net Weight [kg]	115	145
	Net Dimensions (WxHxD) [mm]	940 x 1,420 x 330	940 x 1,630 x 460
Operating Temp. Range	Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 52
	Heating [°C]	-20.0 ~ 24.0	-25~24

NOTE:
• Specification may be subject to change without prior notice.
1) 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) 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) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter
4) 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 combination are theoretical values based on sound results of individual installed units.
5) These products contain R410A which is fluorinated greenhouse gas.

DVM S ECO HEAT PUMP I SPECIFICATION



Model Name		AM120KXMDGH/EU	AM140KXMDGH/EU
Features	Type	DVM S ECO	DVM S ECO
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	HP	12	14
	Cooling [kW]	33.5	40.0
	Cooling [Btu/hr]	114,300	136,500
	Heating [kW]	37.5	45.0
	Heating [Btu/hr]	128,000	153,500
Maximum number of connectible indoor units [ea]		21	26
Power Input (Nominal)	Cooling [kW]	8.77	10.59
	Heating [kW]	7.81	9.88
Current Input (Nominal)	Cooling [A]	13.74	16.48
	Heating [A]	12.23	15.55
	MCA [A]	23.5	32.0
	MFA [A]	30.0	40.0
Energy Efficiency Ratio (COP)	Cooling [W/W]	3.82	3.78
	Heating [W/W]	4.79	4.55
Compressor	Type	Inverter Scroll	Inverter Scroll
	Output [kW x n]	(6.39) x 1	(6.76) x 1
	Model Name	DS-GB066FAVB	DS-GB070FAVA
	Oil Type	PVE	PVE
	Oil Initial Charge [cc]	2,300.0	2,300.0
Fan	Type	Propeller	Propeller
	Output x n [W]	244 x 2	244 x 2
	Air Flow Rate [CMM]	166.00	180.00
	Air Flow Rate [l/s]	2,766.67	3,000.0
	External Static Pressure (Max) [mmAq]	3.00	3.00
	External Static Pressure (Max) [Pa]	29.40	29.40
Piping Connections	Liquid Pipe [Ø, mm]	12.7	12.7
	Liquid Pipe [Ø, inch]	1/2	1/2
	Gas Pipe [Ø, mm]	28.58	28.58
	Gas Pipe [Ø, inch]	1 1/8	1 1/8
	Installation Limitation [Max Length]	160	160
	Installation Limitation [Max Height]	50	50
Refrigerant	Type	R410A	R410A
	Factory Charging [kg]	4.3	4.8
Sound	Sound Pressure [dB(A)]	59	62
External Dimension (Outdoor Unit)	Net Weight [kg]	155	162
	Net Dimensions (WxHxD) [mm]	940 x 1,630 x 460	940 x 1,630 x 460
Operating Temp. Range	Cooling [°C]	-5.0 ~ 52	-5.0 ~ 52
	Heating [°C]	-25~24	-25~24

NOTE:
• Specification may be subject to change without prior notice.
1) 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) 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) - Select wire size based on the value of MCA
- MFA is used to select the circuit breaker and ground fault circuit interrupter
4) 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 combination are theoretical values based on sound results of individual installed units.
5) These products contain R410A which is fluorinated greenhouse gas.

Indoor Unit Specification

INDOOR UNIT | SPECIFICATION

WindFree™ 4way Cassette



Model Name			AM045NN4DEH/EU	AM056NN4DEH/EU	AM071NN4DEH/EU	AM090NN4DEH/EU
Features	Type		4Way Cassette	4Way Cassette	4Way Cassette	4Way Cassette
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling	kW	4.5	5.6	7.1	9.0
	Cooling	Btu/h	15,400	19,100	24,200	30,700
	Heating	kW	5.0	6.3	8.0	10.0
	Heating	Btu/h	17,100	21,500	27,300	34,100
Power Input	Cooling	kW	0.032	0.032	0.045	0.062
	Heating	kW	0.032	0.032	0.045	0.062
Current Input	Cooling	A	0.22	0.22	0.31	0.43
	Heating	A	0.22	0.22	0.31	0.43
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate (High / Mid / Low)	l/s	242/225/208	250/233/217	283/258/242	325/300/275
	Motor (Output)	W	65	65	65	65
	Air Flow Rate (High / Mid / Low)	m^3/h	870/810/750	900/840/780	1020/930/870	1170/1080/990
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	3/8	3/8
	Gas Pipe (OD)	Φ, mm	12.7	12.7	15.88	15.88
	Gas Pipe (OD)	Φ, inch	1/2	1/2	5/8	5/8
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	33/32/30	33/32/30	35/34/33	39/36/33
External Dimension	Net Weight	kg	15.0	15.0	15.0	15.0
	Shipping Weight	kg	18.5	18.5	18.5	18.5
	Net Dimensions (WxHxD)	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 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
Panel	Model Name	-	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Net Weight	kg	6.3	6.3	6.3	6.3
	Shipping Weight	kg	8.7	8.7	8.7	8.7
	Net Dimensions (WxHxD)	mm	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950
	Shipping Dimensions (WxHxD)	mm	1010 x 117 x 1000	1010 x 117 x 1000	1010 x 117 x 1000	1010 x 117 x 1000

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-WG00JN


MWR-SH00N


AR-EH03E

Panel (Optional)


WindFree™ PC4NUFMAN


WindFree™ Purifying Panels PC4NUCEAN

INDOOR UNIT | SPECIFICATION

WindFree™ 4way Cassette



Model Name			AM112NN4DEH/EU	AM128NN4DEH/EU	AM140NN4DEH/EU	AM170TN4DKH/EA
Features	Type		4Way Cassette	4Way Cassette	4Way Cassette	4Way Cassette
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling	kW	11.2	12.8	14.0	17.0
	Cooling	Btu/h	38,200	43,700	47,800	58,000
	Heating	kW	12.5	13.8	16.0	19.0
	Heating	Btu/h	42,700	47,100	54,600	64,800
Power Input	Cooling	kW	0.078	0.073	0.089	0.098
	Heating	kW	0.078	0.073	0.089	0.098
Current Input	Cooling	A	0.55	0.51	0.62	0.83
	Heating	A	0.55	0.51	0.62	0.83
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate (High / Mid / Low)	l/s	433/400/367	467/433/383	500/467/433	567/483/433
	Motor (Output)	W	65	97	97	97
	Air Flow Rate (High / Mid / Low)	m^3/h	1560/1440/1320	1680/1560/1380	1800/1680/1560	2040/1740/1560
Piping Connections	Liquid Pipe (OD)	Φ, mm	9.52	9.52	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	3/8	3/8	3/8	3/8
	Gas Pipe (OD)	Φ, mm	15.88	15.88	15.88	19.05
	Gas Pipe (OD)	Φ, inch	5/8	5/8	5/8	3/4
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	40/38/35	42/40/35	44/41/35	45/43/40
External Dimension	Net Weight	kg	16.5	18.5	18.5	25.0
	Shipping Weight	kg	20.0	22.5	22.5	28.9
	Net Dimensions (WxHxD)	mm	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840	840 x 372 x 840
	Shipping Dimensions (WxHxD)	mm	898 x 316 x 898	898 x 357 x 898	898 x 357 x 898	898 x 440 x 898
Panel	Model Name	-	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Net Weight	kg	6.3	6.3	6.3	6.3
	Shipping Weight	kg	8.7	8.7	8.7	8.7
	Net Dimensions (WxHxD)	mm	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950
	Shipping Dimensions (WxHxD)	mm	1010 x 117 x 1000	1010 x 117 x 1000	1010 x 117 x 1000	1010 x 117 x 1000

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-WG00JN


MWR-SH00N


AR-EH03E

Panel (Optional)


WindFree™ PC4NUFMAN


WindFree™ Purifying Panels PC4NUCEAN

INDOOR UNIT | SPECIFICATION

WindFree™ 4way Cassette (600x600)



Model Name			AM015NNNDEH/EU	AM022NNNDEH/EU	AM028NNNDEH/EU	AM036NNNDEH/EU
Features	Type		4Way Cassette (600x600)	4Way Cassette (600x600)	4Way Cassette (600x600)	4Way Cassette (600x600)
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling	kW	1.5	2.2	2.8	3.6
	Cooling	Btu/h	5,100	7,500	9,600	12,300
	Heating	kW	1.7	2.5	3.2	4.0
	Heating	Btu/h	5,800	8,500	10,900	13,600
Power Input	Cooling	kW	0.018	0.018	0.018	0.020
	Heating	kW	0.018	0.018	0.018	0.020
Current Input	Cooling	A	0.17	0.17	0.17	0.19
	Heating	A	0.17	0.17	0.17	0.19
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate (High / Mid / Low)	l/s	142/120/108	150/128/108	167/142/125	175/150/125
	Motor (Output)	W	65	65	65	65
	Air Flow Rate (High / Mid / Low)	m³/h	510/432/390	540/462/390	600/510/450	630/540/450
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	6.35	6.35
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	1/4	1/4
	Gas Pipe (OD)	Φ, mm	12.7	12.7	12.7	12.7
	Gas Pipe (OD)	Φ, inch	1/2	1/2	1/2	1/2
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	30/28/23	32/29/25	33/30/26	34/30/26
External Dimension	Net Weight	kg	11.7	12.0	12.0	12.0
	Shipping Weight	kg	13.7	14.0	14.0	14.0
	Net Dimensions (WxHxD)	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (WxHxD)	mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653
Panel	Model Name	-	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Net Weight	kg	2.7	2.7	2.7	2.7
	Shipping Weight	kg	3.9	3.9	3.9	3.9
	Net Dimensions (WxHxD)	mm	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Shipping Dimensions (WxHxD)	mm	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-WG00JN


MWR-SH00N


AR-EH03E

Panel (Optional)


WindFree™ PC4SUFMAN

INDOOR UNIT | SPECIFICATION

WindFree™ 4way Cassette (600x600)



Model Name			AM045NNNDEH/EU	AM056NNNDEH/EU	AM060NNNDEH/EU
Features	Type		4Way Cassette (600x600)	4Way Cassette (600x600)	4Way Cassette (600x600)
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling	kW	4.5	5.6	6.0
	Cooling	Btu/h	15,400	19,100	20,500
	Heating	kW	5.0	6.3	6.8
	Heating	Btu/h	17,100	21,500	23,200
Power Input	Cooling	kW	0.023	0.028	0.031
	Heating	kW	0.023	0.028	0.031
Current Input	Cooling	A	0.22	0.27	0.30
	Heating	A	0.22	0.27	0.30
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate (High / Mid / Low)	l/s	192/170/150	217/183/158	225/200/170
	Motor (Output)	W	65	65	65
	Air Flow Rate (High / Mid / Low)	m³/h	690/612/540	780/660/570	810/720/612
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	6.35
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	1/4
	Gas Pipe (OD)	Φ, mm	12.7	12.7	12.7
	Gas Pipe (OD)	Φ, inch	1/2	1/2	1/2
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	36/34/32	39/36/33	40/38/35
External Dimension	Net Weight	kg	12.0	12.0	12.0
	Shipping Weight	kg	14.0	14.0	14.0
	Net Dimensions (WxHxD)	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (WxHxD)	mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653
Panel	Model Name	-	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Net Weight	kg	2.7	2.7	2.7
	Shipping Weight	kg	3.9	3.9	3.9
	Net Dimensions (WxHxD)	mm	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Shipping Dimensions (WxHxD)	mm	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-WG00JN


MWR-SH00N


AR-EH03E

Panel (Optional)


WindFree™ PC4SUFMAN

INDOOR UNIT | SPECIFICATION

WindFree™ 1way Cassette



Model Name			AM017NN1PEH/EU	AM022NN1PEH/EU	AM022NN1DKH/EU	AM028NN1DKH/EU
Features	Type		1Way Cassette	1Way Cassette	1Way Cassette	1Way Cassette
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling	kW	1.7	2.2	2.20	2.80
	Cooling	Btu/h	5,800	7,500	7,500	9,600
	Heating	kW	1.9	2.5	2.50	3.20
	Heating	Btu/h	6,500	8,500	8,500	10,900
Power Input	Cooling	kW	0.024	0.025	0.029	0.032
	Heating	kW	0.024	0.025	0.029	0.032
Current Input	Cooling	A	0.14	0.15	0.16	0.17
	Heating	A	0.14	0.15	0.16	0.17
Fan	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Air Flow Rate (High / Mid / Low)	l/s	80.00/71.67/68.33	85.00/76.67/71.67	100.00/83.33/66.67	116.67/100.00/83.33
	Motor (Output)	W	27	27	27	27
	Air Flow Rate (High / Mid / Low)	m³/h	288/258/246	306/276/258	360/300/240	420/360/300
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	6.35	6.35
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	1/4	1/4
	Gas Pipe (OD)	Φ, mm	12.7	12.7	12.7	12.7
	Gas Pipe (OD)	Φ, inch	1/2	1/2	1/2	1/2
	Drain Pipe	Φ, mm	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
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	28 / 26 / 24	29 / 26 /24	29 / 26 / 24	32 / 28 / 24
External Dimension	Net Weight	kg	8.0	8.0	10.0	10.0
	Shipping Weight	kg	10.5	10.5	13.4	13.4
	Net Dimensions (WxHxD)	mm	740 x 135 x 360	740 x 135 x 360	970 x 135 x 410	970 x 135 x 410
	Shipping Dimensions (WxHxD)	mm	895 x 223 x 435	895 x 223 x 435	1173 x 231 x 487	1173 x 231 x 487
Panel	Model Name	-	PC1MWFMAN	PC1MWFMAN	PC1NWFMAN	PC1NWFMAN
	Net Weight	kg	2.6	2.6	4.3	4.3
	Shipping Weight	kg	3.8	3.8	6.3	6.3
	Net Dimensions (WxHxD)	mm	960 x 35 x 420	960 x 35 x 420	1198 x 35 x 500	1198 x 35 x 500
	Shipping Dimensions (WxHxD)	mm	1003 x 112 x 482	1003 x 112 x 482	1262 x 124 x 568	1262 x 124 x 568

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-WG00JN


MWR-SH00N


AR-EH03E

Panel (Optional)


WindFree™
PC1MWFMAN
PC1NWFMAN
PC1BWFMAN


WindFree™ Purifying Panels
PC1MWCMAN
PC1NWCMAN
PC1BWCMAN
*Only available for AM***NN1DKH

INDOOR UNIT | SPECIFICATION

WindFree™ 1way Cassette



Model Name			AM036NN1DKH/EU	AM056NN1DEH/EU	AM071NN1DEH/EU
Features	Type		1Way Cassette	1Way Cassette	1Way Cassette
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling	kW	3.60	5.6	7.1
	Cooling	Btu/h	12,300	19,100	24,200
	Heating	kW	4.00	6.3	8.0
	Heating	Btu/h	13,600	21,500	27,300
Power Input	Cooling	kW	0.040	0.055	0.080
	Heating	kW	0.040	0.055	0.080
Current Input	Cooling	A	0.20	0.28	0.40
	Heating	A	0.20	0.28	0.40
Fan	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Air Flow Rate (High / Mid / Low)	l/s	133.33/116.67/100.00	266.67/233.33/208.33	283.33/258.33/233.33
	Motor (Output)	W	27	54	54
	Air Flow Rate (High / Mid / Low)	m³/h	480/420/360	960/840/750	1020/930/840
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	9.52
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	3/8
	Gas Pipe (OD)	Φ, mm	12.7	12.7	15.88
	Gas Pipe (OD)	Φ, inch	1/2	1/2	5/8
	Drain Pipe	Φ, mm	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	37 / 33 / 30	41 / 38 / 35	42 / 39 / 36
External Dimension	Net Weight	kg	10.0	13.5	13.5
	Shipping Weight	kg	13.4	17.3	17.3
	Net Dimensions (WxHxD)	mm	970 x 135 x 410	1200 x 138 x 450	1200 x 138 x 450
	Shipping Dimensions (WxHxD)	mm	1173 x 231 x 487	1435 x 224 x 525	1435 x 224 x 525
Panel	Model Name	-	PC1NWFMAN	PC1BWFMAN	PC1BWFMAN
	Net Weight	kg	4.3	5.0	5.0
	Shipping Weight	kg	6.3	7.0	7.0
	Net Dimensions (WxHxD)	mm	1198 x 35 x 500	1410 x 35 x 500	1410 x 35 x 500
	Shipping Dimensions (WxHxD)	mm	1262 x 124 x 568	1474 x 122 x 566	1474 x 122 x 566

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-WG00JN


MWR-SH00N


AR-EH03E

Panel (Optional)


WindFree™
PC1MWFMAN
PC1NWFMAN
PC1BWFMAN


WindFree™ Purifying Panels
PC1MWCMAN
PC1NWCMAN
PC1BWCMAN
*Only available for AM***NN1DKH

INDOOR UNIT | SPECIFICATION

360 Cassette




Model Name			AM045KN4DEH/EU	AM056KN4DEH/EU	AM071KN4DEH/EU	AM090KN4DEH/EU
Features	Type		360 Cassette	360 Cassette	360 Cassette	360 Cassette
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling	kW	4.5	5.6	7.1	9.0
	Cooling	Btu/h	15,400	19,100	24,200	30,700
	Heating	kW	5.0	6.3	8.0	10.0
	Heating	Btu/h	17,100	21,500	27,300	34,100
Power Input	Cooling	kW	0.026	0.030	0.034	0.055
	Heating	kW	0.026	0.030	0.034	0.055
Current Input	Cooling	A	0.18	0.21	0.25	0.42
	Heating	A	0.18	0.21	0.25	0.42
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate (High / Mid / Low)	l/s	241.67/225.00/208.33	266.67/241.67/225.00	300.00/266.67/233.33	366.67/308.33/266.67
	Motor (Output)	W	65	65	65	65
	Air Flow Rate (High / Mid / Low)	m^3/h	870/810/750	960/870/810	1080/960/840	1320/1110/960
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	3/8	3/8
	Gas Pipe (OD)	Φ, mm	12.7	12.7	15.88	15.88
	Gas Pipe (OD)	Φ, inch	1/2	1/2	5/8	5/8
	Drain Pipe	Φ, mm	VP25(OD32/ID25)	VP25(OD32/ID25)	VP25(OD32/ID25)	VP25(OD32/ID25)
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	33/31/29	34/32/29	36/33/30	40/36/32
External Dimension	Net Weight	kg	21.0	21.0	21.0	21.0
	Shipping Weight	kg	25.9	25.9	25.9	25.9
	Net Dimensions (WxHxD)	mm	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947
	Shipping Dimensions (WxHxD)	mm	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990
Panel	Model Name	-	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
	Net Weight	kg	2.7	2.7	2.7	2.7
	Shipping Weight	kg	5.3	5.3	5.3	5.3
	Net Dimensions (ΦxD)	mm	Φ1050 x 94	Φ1050 x 94	Φ1050 x 94	Φ1050 x 94
	Shipping Dimensions (WxHxD)	mm	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083
Additional Accessories	Drain Pump	-	Built In	Built In	Built In	Built In
	Drain Pump Max. Liftin Height/Displacement	mm/ Litre/h	750/24	750/24	750/24	750/24

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-WG00JN


MWR-SH00N


AR-KH03E

General Panels

For all kinds of the places with various interior designs and installation conditions.


PC4NUNMAN


PC4NBNMAN


PC4NUDMAN


PC4NBDMAN

Purifying Panel

For places that need to keep the indoor air hygienic by capturing ultrafine dust.


PC6EUCMAN

INDOOR UNIT | SPECIFICATION

360 Cassette




Model Name			AM112KN4DEH/EU	AM128KN4DEH/EU	AM140KN4DEH/EU
Features	Type		360 Cassette	360 Cassette	360 Cassette
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling	kW	11.2	12.8	14.0
	Cooling	Btu/h	38,200	43,700	47,800
	Heating	kW	12.5	13.8	16.0
	Heating	Btu/h	42,700	47,100	54,600
Power Input	Cooling	kW	0.053	0.077	0.091
	Heating	kW	0.053	0.077	0.091
Current Input	Cooling	A	0.41	0.62	0.75
	Heating	A	0.41	0.62	0.75
Fan	Type	-	Turbo Fan	Turbo Fan	Turbo Fan
	Air Flow Rate (High / Mid / Low)	l/s	425.00/350.00/291.67	491.67/400.00/316.67	525.00/441.67/350.00
	Motor (Output)	W	97	97	97
	Air Flow Rate (High / Mid / Low)	m^3/h	1530/1260/1050	1770/1440/1140	1890/1590/1260
Piping Connections	Liquid Pipe (OD)	Φ, mm	9.52	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	3/8	3/8	3/8
	Gas Pipe (OD)	Φ, mm	15.88	15.88	15.88
	Gas Pipe (OD)	Φ, inch	5/8	5/8	5/8
	Drain Pipe	Φ, mm	VP25(OD32/ID25)	VP25(OD32/ID25)	VP25(OD32/ID25)
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	40/36/32	42/38/33	44/40/35
External Dimension	Net Weight	kg	24.0	24.0	24.0
	Shipping Weight	kg	29.4	29.4	29.4
	Net Dimensions (WxHxD)	mm	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Shipping Dimensions (WxHxD)	mm	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990
Panel	Model Name	-	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
	Net Weight	kg	2.7	2.7	2.7
	Shipping Weight	kg	5.3	5.3	5.3
	Net Dimensions (ΦxD)	mm	Φ1050 x 94	Φ1050 x 94	Φ1050 x 94
	Shipping Dimensions (WxHxD)	mm	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083
Additional Accessories	Drain Pump	-	Built In	Built In	Built In
	Drain Pump Max. Liftin Height/Displacement	mm/ Litre/h	750/24	750/24	750/24

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-WG00JN


MWR-SH00N


AR-KH03E

General Panels

For all kinds of the places with various interior designs and installation conditions.


PC4NUNMAN


PC4NBNMAN


PC4NUDMAN


PC4NBDMAN

Purifying Panel

For places that need to keep the indoor air hygienic by capturing ultrafine dust.


PC6EUCMAN

INDOOR UNIT I SPECIFICATION

2way Cassette



Model Name			AM056CN2DKH/EA	AM071CN2DKH/EA
Features	Type		2 Way Cassette	2 Way Cassette
Power Supply		Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60
Capacity	Cooling	kW	5.6	7.1
	Cooling	Btu/h	19,100	24,200
	Heating	kW	6.3	8.0
	Heating	Btu/h	21,500	27,300
Power Input	Cooling	kW	0.040	0.043
	Heating	kW	0.040	0.049
Current Input	Cooling	A	0.32	0.34
	Heating	A	0.32	0.38
Fan	Type	-	Crossflow Fan	Crossflow Fan
	Air Flow Rate (High / Mid / Low)	l/s	261.67/235/213.33	266.67/241.5/213.33
	Motor (Output)	W	27x2	27x2
	Air Flow Rate (High / Mid / Low)	m^3/h	942/846/768	960/869/768
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	9.52
	Liquid Pipe (OD)	Φ, inch	1/4	3/8
	Gas Pipe (OD)	Φ, mm	12.7	15.88
	Gas Pipe (OD)	Φ, inch	1/2	5/8
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	37.5/36/34	40/38/35
External Dimension	Net Weight	kg	18.5	19.5
	Shipping Weight	kg	21.5	22.5
	Net Dimensions (WxHxD)	mm	890 x 230 x 575	890 x 230 x 575
	Shipping Dimensions (WxHxD)	mm	1077 x 299 x 642	1077 x 299 x 642
Panel	Model Name	-	PC2NWSMEN	PC2NWSMEN
	Net Weight	kg	4	4
	Shipping Weight	kg	8.5	8.5
	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

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-WG00JN


MWR-SH00N


AR-EH03E

Panel (Optional)


Standard type
PC2NWSMEN

INDOOR UNIT | SPECIFICATION

Packaged



Model Name			AM140RNPDKH/EU	AM280CNPDKH/EU
Features	Type		Packaged	Packaged
Power Supply		Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50
Capacity	Cooling	kW	14.0	28.0
	Cooling	Btu/h	47,800	95,536
	Heating	kW	16.0	31.5
	Heating	Btu/h	54,600	107,478
Power Input	Cooling	kW	0.190	0.4
	Heating	kW	0.190	0.4
Current Input	Cooling	A	0.90	2.7
	Heating	A	0.90	2.7
Fan	Type	-	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	583.3/508.3/458.3	1133.3 / 1050 / 966.7
	Air Flow Rate (High / Mid / Low)	m³/h	2100/1830/1650	4080 / 3780 / 3480
	Motor (Output)	W	154	630
Piping Connections	Liquid Pipe (OD)	Φ, mm	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	3/8	3/8
	Gas Pipe (OD)	Φ, mm	15.88	22.22
	Gas Pipe (OD)	Φ, inch	5/8	7/8
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	54/47	58 / 56 / 54
External Dimension	Net Weight	kg	48	108
	Shipping Weight	kg	55	127
	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

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E

INDOOR UNIT | SPECIFICATION

WindFree™ Wall Mounted
(With EEV)



Model Code			AM015TNVDKH/EU	AM022TNVDKH/EU	AM028TNVDKH/EU	AM036TNVDKH/EU
Features	Type		WindFree™ Wall Mounted	WindFree™ Wall Mounted	WindFree™ Wall Mounted	WindFree™ Wall Mounted
Power Supply		Φ, #, V, Hz	1, 220~240, 50/60	1, 220~240, 50/60	1, 220~240, 50/60	1, 220~240, 50/60
Capacity	Cooling	kW	1.5	2.2	2.8	3.6
	Cooling	Btu/h	5,100	7,500	9,600	12,300
	Heating	kW	1.7	2.5	3.2	4.0
	Heating	Btu/h	5,800	8,500	10,900	13,600
Power Input	Cooling	kW	0.020	0.024	0.030	0.037
	Heating	kW	0.020	0.024	0.030	0.037
Current Input	Cooling	A	0.10	0.20	0.20	0.30
	Heating	A	0.10	0.20	0.20	0.30
Fan	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Air Flow Rate (High / Mid / Low)	l/s	81.7/75.0/68.3	95.0/83.3/75.0	141.7/128.3/115.0	171.7/151.7/138.3
	Air Flow Rate (High / Mid / Low)	m^3/h	294/270/246	342/300/270	510/462/414	618/546/498
	Motor (Output)	W	27	27	27	27
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	6.35	6.35
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	1/4	1/4
	Gas Pipe (OD)	Φ, mm	12.7	12.7	12.7	12.7
	Gas Pipe (OD)	Φ, inch	1/2	1/2	1/2	1/2
	Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	31/30/27/26(Wind free)	34/32/30/27(Wind free)	34/33/32/26(Wind free)	40/36/34/26(Wind free)
External Dimension	Net Weight	kg	9.0	9.0	9.5	9.5
	Shipping Weight	kg	10.5	10.5	11	11
	Net Dimensions (WxHxD)	mm	820x299x215	820x299x215	820x299x215	820x299x215
	Shipping Dimensions (WxHxD)	mm	880x290x375	880x290x375	880x290x375	880x290x375

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E

INDOOR UNIT | SPECIFICATION

WindFree™ Wall Mounted

(With EEV)



Model Name			AM045TNVDKH/EU	AM056TNVDKH/EU	AM071TNVDKH/EU	AM082TNVDKH/EU
Features	Type		WindFree™ Wall Mounted	WindFree™ Wall Mounted	WindFree™ Wall Mounted	WindFree™ Wall Mounted
Power Supply		Φ, #, V, Hz	1, 220~240, 50/60	1, 220~240, 50/60	1, 220~240, 50/60	1, 220~240, 50/60
Capacity	Cooling	kW	4.5	5.6	6.8	8.2
	Cooling	Btu/h	15,400	19,100	23,200	28,000
	Heating	kW	5.0	6.3	7.0	8.5
	Heating	Btu/h	17,100	21,500	23,900	29,000
Power Input	Cooling	kW	0.040	0.052	0.060	0.065
	Heating	kW	0.040	0.052	0.060	0.065
Current Input	Cooling	A	0.3	0.4	0.4	0.4
	Heating	A	0.3	0.4	0.4	0.4
Fan	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Air Flow Rate (High / Mid / Low)	l/s	208.3/190.0/175.0	261.7/230.0/200.0	280.0/250.0/220.0	291.7/260.0/230.0
	Air Flow Rate (High / Mid / Low)	m^3/h	750/684/630	942/828/720	1008/900/792	1050/936/828
	Motor (Output)	W	27	27	27	27
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	3/8	3/8
	Gas Pipe (OD)	Φ, mm	12.7	12.7	15.88	15.88
	Gas Pipe (OD)	Φ, inch	1/2	1/2	5/8	5/8
	Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	37/34/33/29(Wind free)	40/37/34/29(Wind free)	43/40/37/29(Wind free)	46/45/43/30(Wind free)
External Dimension	Net Weight	kg	12.0	12.0	12.0	13.0
	Shipping Weight	kg	14.0	14.0	14.0	15.0
	Net Dimensions (WxHxD)	mm	1055x299x215	1055x299x215	1055x299x215	1055x299x215
	Shipping Dimensions (WxHxD)	mm	1115x290x375	1115x290x375	1115x290x375	1115x290x375

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E

INDOOR UNIT | SPECIFICATION

Duct S (Medium Static Pressure)

Built-In Drain Pump



Model Name			AM022ANMPKH/EU	AM028ANMPKH/EU	AM036ANMPKH/EU	AM045ANMPKH/EU
Features	Type		Duct S	Duct S	Duct S	Duct S
Power Supply		Φ, #, V, Hz	1,2,220~240V,50/60	1,2,220~240V,50/60	1,2,220~240V,50/60	1,2,220~240V,50/60
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Cooling	Btu/h	7,500	9,600	12,300	15,400
	Heating	kW	2.5	3.2	4.0	5.0
	Heating	Btu/h	8,500	10,900	13,600	17,100
Power Input	Cooling	kW	0.042	0.042	0.045	0.055
	Heating	kW	0.042	0.042	0.045	0.055
Current Input	Cooling	A	0.4	0.4	0.4	0.5
	Heating	A	0.4	0.4	0.4	0.5
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	175/150/117	175/150/117	208/158/125	233/183/133
	External Static Pressure (Min / Std / Max)	mmAq	0/2.5/15	0/2.5/15	0/2.5/15	0/3/15
	External Static Pressure (Min / Std / Max)	Pa	0.00/24.52/147.10	0.00/24.52/147.10	0.00/24.52/147.10	0.00/29.42/147.10
	Air Flow Rate (High / Mid / Low)	m³/h	630 / 540 / 420	630 / 540 / 420	720/570/450	840/660/480
	Motor (Output)	W	153	153	153	153
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	6.35	6.35
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	1/4	1/4
	Gas Pipe (OD)	Φ, mm	12.7	12.7	12.7	12.7
	Gas Pipe (OD)	Φ, inch	1/2	1/2	1/2	1/2
	Drain Pipe	Φ, mm	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	28/26/24	28/26/24	30/27/24	31/28/25
External Dimension	Net Weight	kg	27.9	27.9	27.5	27.5
	Shipping Weight	kg	32	32	31	31
	Net Dimensions (WxHxD)	mm	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700
	Shipping Dimensions (WxHxD)	mm	1064 x 320 x 784	1064 x 320 x 784	1064 x 320 x 784	1064 x 320 x 784
Additional Accessories	Drain Pump	-	Built In	Built In	Built In	Built In

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N

INDOOR UNIT I SPECIFICATION

Duct S (Medium Static Pressure)

Built-In Drain Pump



Model Name			AM056ANMPKH/EU	AM071ANMPKH/EU	AM090ANMPKH/EU	AM112ANMPKH/EU
Features	Type		Duct S	Duct S	Duct S	Duct S
Power Supply		Φ, #, V, Hz	1,2,220~240V,50/60	1,2,220~240V,50/60	1,2,220~240V,50/60	1,2,220~240V,50/60
Capacity	Cooling	kW	5.6	7.1	9.0	11.2
	Cooling	Btu/h	19,100	24,200	30,700	38,200
	Heating	kW	6.3	8.0	10.0	12.5
	Heating	Btu/h	21,500	27,300	34,100	42,700
Power Input	Cooling	kW	0.070	0.110	0.135	0.130
	Heating	kW	0.070	0.110	0.135	0.130
Current Input	Cooling	A	0.6	1.0	1.2	1.2
	Heating	A	0.6	1.0	1.2	1.2
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	267/225/150	350/300/217	450/367/267	500/417/300
	External Static Pressure (Min / Std / Max)	mmAq	0/3/15	0/3/15	0/4/15	0/5.2/15
	External Static Pressure (Min / Std / Max)	Pa	0.00/29.42/147.10	0.00/29.42/147.10	0.00/39.23/147.10	0.00/50.99/147.10
	Air Flow Rate (High / Mid / Low)	m^3/h	960/810/540	1260/1080/780	1620/1320/960	1800/1500/1080
	Motor (Output)	W	153	153	153	244
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	9.52	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	1/4	3/8	3/8	3/8
	Gas Pipe (OD)	Φ, mm	12.7	15.88	15.88	15.88
	Gas Pipe (OD)	Φ, inch	1/2	5/8	5/8	5/8
	Drain Pipe	Φ, mm	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	32/29/25	36/32/27	37/33/29	36/33/30
	Sound Power Level	dB(A)	57	60	61	61
External Dimension	Net Weight	kg	27.5	27.5	35	39.5
	Shipping Weight	kg	31	31	39.5	45.5
	Net Dimensions (WxHxD)	mm	850 x 250 x 700	850 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700
	Shipping Dimensions (WxHxD)	mm	1064 x 320 x 784	1064 x 320 x 784	1429 x 320 x 779	1529 x 370 x 779
Additional Accessories	Drain Pump	-	Built In	Built In	Built In	Built In

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N

INDOOR UNIT | SPECIFICATION

Duct S (Medium Static Pressure)

Built-In Drain Pump



Model Name			AM128ANMPKH/EU	AM140ANMPKH/EU	AM160DNMDKH/TK
Features	Type		Duct S	Duct S	Duct S
Power Supply		Φ, #, V, Hz	1,2,220~240V,50/60	1,2,220~240V,50/60	1,2,220~240V,50/60
Capacity	Cooling	kW	12.8	14.0	16.0
	Cooling	Btu/h	43,700	47,800	54,600
	Heating	kW	13.8	16.0	18.0
	Heating	Btu/h	47,100	54,600	61,400
Power Input	Cooling	kW	0.160	0.210	0.3
	Heating	kW	0.160	0.210	0.3
Current Input	Cooling	A	1.4	1.7	2.5
	Heating	A	1.4	1.7	2.5
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	600/500/383	667/567/400	750/583/417
	External Static Pressure (Min / Std / Max)	mmAq	0/5.2/15	0/5.2/15	0/5.2/15
	External Static Pressure (Min / Std / Max)	Pa	0.00/50.99/147.10	0.00/50.99/147.10	0.00/50.99/147
	Air Flow Rate (High / Mid / Low)	m^3/h	2160/1800/1380	2400/2040/1440	2,700/2,100/1,500
	Motor (Output)	W	244	244	350
Piping Connections	Liquid Pipe (OD)	Φ, mm	9.52	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	3/8	3/8	3/8
	Gas Pipe (OD)	Φ, mm	15.88	15.88	15.88
	Gas Pipe (OD)	Φ, inch	5/8	5/8	5/8
	Drain Pipe	Φ, mm	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	37/34/31	39/36/33	43/39/35
External Dimension	Net Weight	kg	39.5	39.5	44.6
	Shipping Weight	kg	45.5	45.5	51.1
	Net Dimensions (WxHxD)	mm	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700
	Shipping Dimensions (WxHxD)	mm	1529 x 370 x 779	1529 x 370 x 779	1529 x 370 x 779
Additional Accessories	Drain Pump	-	Built In	Built In	Built In

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N

INDOOR UNIT I SPECIFICATION

Home Duct S (Medium Static Pressure)

Built-In Drain Pump



Model Name			AM022DNMDKH/TK	AM028DNMDKH/TK	AM036DNMDKH/TK
Features	Type		Home Duct S	Home Duct S	Home Duct S
Power Supply		Φ, #, V, Hz	1,2,220~240V,50/60	1,2,220~240V,50/60	1,2,220~240V,50/60
Capacity	Cooling	kW	2.2	2.8	3.6
	Cooling	Btu/h	7,500	9,600	12,300
	Heating	kW	2.5	3.2	4
	Heating	Btu/h	8,500	10,900	13,600
Power Input	Cooling	kW	0.04	0.059	0.051
	Heating	kW	0.04	0.059	0.046
Current Input	Cooling	A	0.3	0.5	0.5
	Heating	A	0.3	0.5	0.4
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	141.67 / 125 / 105	166.67 / 153.33 / 125	208 / 167 / 125
	External Static Pressure (Min / Std / Max)	mmAq	0 / 2 / 6	0 / 2 / 6	0 / 2 / 6
	External Static Pressure (Min / Std / Max)	Pa	0.00 / 19.61 / 58.84	0.00 / 19.61 / 58.84	0.00 / 19.61 / 58.84
	Air Flow Rate (High / Mid / Low)	m^3/h	510 / 450 / 378	600 / 552 / 450	750 / 600 / 450
	Motor (Output)	W	69	69	84
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	6.35
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	1/4
	Gas Pipe (OD)	Φ, mm	12.7	12.7	12.7
	Gas Pipe (OD)	Φ, inch	1/2	1/2	1/2
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	27 / 25 / 23	30 / 28 / 26	31 / 28 / 25
External Dimension	Net Weight	kg	16.3	16.3	19.7
	Shipping Weight	kg	19.2	19.2	22.7
	Net Dimensions (WxHxD)	mm	700 x 199 x 440	700 x 199 x 440	900 x 199 x 440
	Shipping Dimensions (WxHxD)	mm	949 x 280 x 544	949 x 280 x 544	1,151 x 280 x 544
Additional Accessories	Drain Pump	-	Built In	Built In	Built In

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N

INDOOR UNIT | SPECIFICATION

Home Duct S (Medium Static Pressure)

Built-In Drain Pump



Model Name			AM045DNMDKH/TK	AM056DNMDKH/TK	AM071DNMDEH/TL
Features	Type		Home Duct S	Home Duct S	Home Duct S
Power Supply		Φ, #, V, Hz	1,2,220~240V,50/60	1,2,220~240V,50/60	1,2,220~240V,50/60
Capacity	Cooling	kW	4.5	5.6	7.1
	Cooling	Btu/h	15,400	19,100	24,200
	Heating	kW	5	6.3	8
	Heating	Btu/h	17,100	21,500	27,300
Power Input	Cooling	kW	0.051	0.073	0.082
	Heating	kW	0.046	0.068	0.077
Current Input	Cooling	A	0.5	0.6	0.7
	Heating	A	0.4	0.6	0.7
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	208 / 167 / 125	258 / 208 / 158	300 / 242 / 183
	External Static Pressure (Min / Std / Max)	mmAq	0 / 2 / 6	0 / 2 / 6	0 / 2 / 6
	External Static Pressure (Min / Std / Max)	Pa	0.00 / 19.61 / 58.84	0.00 / 19.61 / 58.84	0.00 / 19.61 / 58.84
	Air Flow Rate (High / Mid / Low)	m³/h	750 / 600 / 450	930 / 750 / 570	1080 / 870 / 660
	Motor (Output)	W	84	84	84
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	9.52
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	3/8
	Gas Pipe (OD)	Φ, mm	12.7	12.7	15.88
	Gas Pipe (OD)	Φ, inch	1/2	1/2	5/8
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	31 / 28 / 25	34 / 30 / 26	34 / 30 / 27
External Dimension	Net Weight	kg	19.7	19.7	23.2
	Shipping Weight	kg	22.7	22.7	26.8
	Net Dimensions (WxHxD)	mm	900 x 199 x 440	900 x 199 x 440	1,100 x 199 x 440
	Shipping Dimensions (WxHxD)	mm	1,151 x 280 x 544	1,151 x 280 x 544	1,351 x 280 x 544
Additional Accessories	Drain Pump	-	Built In	Built In	Built In

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N

INDOOR UNIT | SPECIFICATION

Duct S (High Static Pressure)

Built-In Drain Pump



Model Name			AM112ANHPKH/EU	AM128ANHPKH/EU	AM140ANHPKH/EU
Features	Type		Duct S	Duct S	Duct S
Power Supply		Φ, #, V, Hz	1,2,220~240V,50/60	1,2,220~240V,50/60	1,2,220~240V,50/60
Capacity	Cooling	kW	11.2	12.8	14.0
	Cooling	Btu/h	38,200	43,700	47,800
	Heating	kW	12.5	13.8	16.0
	Heating	Btu/h	42,700	47,100	54,600
Power Input	Cooling	kW	0.130	0.185	0.220
	Heating	kW	0.130	0.185	0.220
Current Input	Cooling	A	1.2	1.3	1.5
	Heating	A	1.2	1.3	1.5
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	533/433/333	617/500/367	683/567/417
	External Static Pressure (Min / Std / Max)	mmAq	3/6.2/20	3/6.2/20	3/6.2/20
	External Static Pressure (Min / Std / Max)	Pa	29.42/60.80/196.13	29.42/60.80/196.13	29.42/60.80/196.13
	Air Flow Rate (High / Mid / Low)	m³/h	1920/1560/1200	2220/1800/1320	2460/2040/1500
	Motor (Output)	W	350	350	350
Piping Connections	Liquid Pipe (OD)	Φ, mm	9.52	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	3/8	3/8	3/8
	Gas Pipe (OD)	Φ, mm	15.88	15.88	15.88
	Gas Pipe (OD)	Φ, inch	5/8	5/8	5/8
	Drain Pipe	Φ, mm	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	36/33/30	39/36/33	42/38/34
External Dimension	Net Weight	kg	44.5	44.5	44.5
	Shipping Weight	kg	50.5	50.5	50.5
	Net Dimensions (WxHxD)	mm	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700
	Shipping Dimensions (WxHxD)	mm	1529 x 370 x 779	1529 x 370 x 779	1529 x 370 x 779
Additional Accessories	Drain Pump	-	Built In	Built In	Built In

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N

INDOOR UNIT | SPECIFICATION

Big Duct (High Static Pressure)

Without Drain Pump (Optional)



Model Name			AM180JNHFKH/EU	AM224JNHFKH/EU	AM280FNHDEH/EU
Features	Type		Big Duct	Big Duct	HSP DUCT
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling	kW	18.0	22.4	28.0
	Cooling	Btu/h	61,400	76,400	95,500
	Heating	kW	20.0	25.0	31.5
	Heating	Btu/h	68,200	85,300	107,500
Power Input	Cooling	kW	0.340	0.530	0.790
	Heating	kW	0.340	0.530	0.790
Current Input	Cooling	A	1.90	2.90	5.90
	Heating	A	1.90	2.90	5.90
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	966.67 / 833.33 / 716.67	1200 / 1016.67 / 833.33	1,200.00/1,083.33/966.67
	External Static Pressure (Min / Std / Max)	mmAq	5.0/7.34/20	5.0/7.34/20	5.00/15.00/28.00
	External Static Pressure (Min / Std / Max)	Pa	49 / 71.93 / 196	49 / 71.93 / 196	49.03/147.10/274.59
	Motor (Output)	W	630	630	400
	Air Flow Rate (High / Mid / Low)	m^3/h	3480/3000/2580	4320/3660/3000	4320/3900/3480
Piping Connections	Liquid Pipe (OD)	Φ, mm	9.52	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	3/8	3/8	3/8
	Gas Pipe (OD)	Φ, mm	19.05	19.05	22.22
	Gas Pipe (OD)	Φ, inch	3/4	3/4	7/8
	Drain Pipe	Φ, mm	VP25 (OD25,ID 20)	VP25 (OD25,ID 20)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	43/39/35	44/40/36	48/46/43
External Dimension	Net Weight	kg	82.5	82.5	89.0
	Shipping Weight	kg	92.0	92.0	99.0
	Net Dimensions (WxHxD)	mm	1350 x 450 x 910	1350 x 450 x 910	1240 x 470 x 1040
	Shipping Dimensions (WxHxD)	mm	1612 x 519 x 984	1612 x 519 x 984	1507 x 558 x 1155
Additional Accessories	Drain Pump (Optional)	-	MDP-G075SP/MDP-G075SQ	MDP-G075SP/MDP-G075SQ	MDP-N047SNC1D

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N

Drain Pump (Optional)


MDP-G075SP (External Type)


MDP-G075SQ (Internal Type)


MDP-N047SNC1D

INDOOR UNIT | SPECIFICATION

Slim Duct

Built-In Drain Pump



Model Name			AM017KNLDEH/EU	AM022KNLDEH/EU	AM028KNLDEH/EU	AM036KNLDEH/EU
Features	Type		Slim Duct	Slim Duct	Slim Duct	Slim Duct
Power Supply		Φ, #, V, Hz	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50
Capacity	Cooling	kW	1.7	2.2	2.8	3.6
	Cooling	Btu/h	5,800	7,500	9,600	12,300
	Heating	kW	1.9	2.5	3.2	4.0
	Heating	Btu/h	6,500	8,500	10,900	13,600
Power Input	Cooling	kW	0.028	0.030	0.034	0.040
	Heating	kW	0.028	0.030	0.036	0.042
Current Input	Cooling	A	0.23	0.25	0.28	0.33
	Heating	A	0.23	0.25	0.30	0.35
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	90.83/74.17/63.33	100.00/81.67/63.33	117.5 / 85.83 / 72.5	136.67 / 108.33 / 81.67
	External Static Pressure (Min / Std / Max)	mmAq	0/1/3	0/1/3	0/1/3	0/1/3
	External Static Pressure (Min / Std / Max)	Pa	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42
	Air Flow Rate (High / Mid / Low)	m³/h	327/267/228	360/294/228	423/309/261	492/390/294
	Motor (Output)	W	69	69	69	69
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	6.35	6.35
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	1/4	1/4
	Gas Pipe (OD)	Φ, mm	12.7	12.7	12.7	12.7
	Gas Pipe (OD)	Φ, inch	1/2	1/2	1/2	1/2
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	25/22/19	26/23/19	28/24/19	31/26/20
External Dimension	Net Weight	kg	15.3	15.3	15.3	15.7
	Shipping Weight	kg	18.2	18.2	18.2	18.6
	Net Dimensions (WxHxD)	mm	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440
	Shipping Dimensions (WxHxD)	mm	949 x 280 x 544	949 x 280 x 544	949 x 280 x 544	949 x 280 x 544
Additional Accessories	Drain Pump	-	Built-in	Built-in	Built-in	Built-in
	Drain Pump Max. Lifting Height/Displacement	mm/ Litre/h	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter	-	Yes	Yes	Yes	Yes

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N

INDOOR UNIT | SPECIFICATION

Slim Duct

Built-In Drain Pump



Model Code			AM045MNLDEH/EU	AM056MNLDEH/EU	AM071MNLDEH/EU
Features	Type		Slim Duct	Slim Duct	Slim Duct
Power Supply		Φ, #, V, Hz	1,220~240,50	1,220~240,50	1,220~240,50
Capacity	Cooling	kW	4.5	5.6	7.1
	Cooling	Btu/h	15,400	19,100	24,200
	Heating	kW	5.0	6.3	8.0
	Heating	Btu/h	17,100	21,500	27,300
Power Input	Cooling	kW	0.051	0.073	0.082
	Heating	kW	0.046	0.068	0.077
Current Input	Cooling	A	0.45	0.62	0.69
	Heating	A	0.41	0.58	0.65
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	208.33/166.67/125.00	258.33/208.33/158.33	300.00/241.67/183.33
	External Static Pressure (Min / Std / Max)	mmAq	0/2/4	0/2/4	0/2/4
	External Static Pressure (Min / Std / Max)	Pa	0/19.6/39.2	0/19.6/39.2	0/19.6/39.2
	Air Flow Rate (High / Mid / Low)	m³/h	750/600/450	930/750/570	1080/870/660
	Motor (Output)	W	84	84	84
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	9.52
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	3/8
	Gas Pipe (OD)	Φ, mm	12.7	12.7	15.88
	Gas Pipe (OD)	Φ, inch	1/2	1/2	5/8
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	32/28/25	34/30/26	34/30/27
External Dimension	Net Weight	kg	18.9	18.9	22.3
	Shipping Weight	kg	21.8	21.8	25.3
	Net Dimensions (WxHxD)	mm	900 × 199 × 440	900 × 199 × 440	1100 x 199 x 440
	Shipping Dimensions (WxHxD)	mm	1151 x 280 x 544	1151 x 280 x 544	1351 x 280 x 544
Additional Accessories	Drain Pump	-	Built-in	Built-in	Built-in
	Drain Pump Max. Lifting Height/Displacement	mm/ Litre/h	750 / 24	750 / 24	750 / 24
	Air Filter	-	Yes	Yes	Yes

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N

INDOOR UNIT | SPECIFICATION

Slim Duct

Built-In Drain Pump



Model Name			AM090KNLDEH/EU	AM112KNLDEH/EU	AM128KNLDEH/EU	AM140KNLDEH/EU
Features	Type		Slim Duct	Slim Duct	Slim Duct	Slim Duct
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling	kW	9.0	11.2	12.8	14.0
	Cooling	Btu/h	30,700	38,200	43,700	47,800
	Heating	kW	10.0	12.5	13.8	16.0
	Heating	Btu/h	34,100	42,700	47,100	54,600
Power Input	Cooling	kW	0.170	0.170	0.200	0.220
	Heating	kW	0.170	0.170	0.200	0.220
Current Input	Cooling	A	0.96	0.96	1.28	1.43
	Heating	A	0.96	0.96	1.28	1.43
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	483.33/450.00/416.67	520.00/483.33/450.00	566.67/533.33/500.00	600.00/566.67/533.33
	External Static Pressure (Min / Std / Max)	mmAq	0/3/6	0/3/6	0/3/6	0/3/6
	External Static Pressure (Min / Std / Max)	Pa	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84
	Air Flow Rate (High / Mid / Low)	m³/h	1740/1620/1500	1872/1740/1620	2040/1920/1800	2160/2040/1920
	Motor (Output)	W	-	-	-	-
Piping Connections	Liquid Pipe (OD)	Φ, mm	9.52	9.52	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	3/8	3/8	3/8	3/8
	Gas Pipe (OD)	Φ, mm	15.88	15.88	15.88	15.88
	Gas Pipe (OD)	Φ, inch	5/8	5/8	5/8	5/8
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	37/36/34	37/36/34	37/36/34	39/38/36
External Dimension	Net Weight	kg	40.5	40.5	42.0	42.0
	Shipping Weight	kg	48.0	48.0	49.5	49.5
	Net Dimensions (WxHxD)	mm	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690
	Shipping Dimensions (WxHxD)	mm	1575 x 370 x 835	1575 x 370 x 835	1575 x 370 x 835	1575 x 370 x 835
Additional Accessories	Drain Pump	-	Included	Included	Included	Included

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N

INDOOR UNIT | SPECIFICATION

Ceiling




Model Name			AM112JNCDKH/EU	AM140JNCDKH/EU
Features	Type		Big Ceiling	Big Ceiling
Power Supply		Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60
Capacity	Cooling	kW	11.2	14.0
	Cooling	Btu/h	38,200	47,800
	Heating	kW	12.5	16.0
	Heating	Btu/h	42,700	54,600
Power Input	Cooling	kW	0.092	0.160
	Heating	kW	0.080	0.160
Current Input	Cooling	A	0.94	1.45
	Heating	A	0.83	1.45
Fan	Type	-	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	488.33/398.33/308.33	606.66/513.33/433.33
	Air Flow Rate (High / Mid / Low)	m³/h	1758/1434/1110	2184/1848/1560
	Motor (Output)	W	260	355
Piping Connections	Liquid Pipe (OD)	Φ, mm	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	3/8	3/8
	Gas Pipe (OD)	Φ, mm	15.88	15.88
	Gas Pipe (OD)	Φ, inch	5/8	5/8
	Drain Pipe	Φ, mm	VP25 (OD25,ID 20)	VP25 (OD25,ID 20)
Refrigerant	Type	-	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	45/41/37	46/43/38
External Dimension	Net Weight	kg	33.5	42.5
	Shipping Weight	kg	39.5	48.5
	Net Dimensions (WxHxD)	mm	1350 x 235 x 675	1650 x 235 x 675
	Shipping Dimensions (WxHxD)	mm	1439 x 758 x 321	1739 x 758 x 321

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E

INDOOR UNIT I SPECIFICATION

Concealed



Model Name			AM036MNFDEH/EU	AM056MNFDEH/EU	AM071MNFDEH/EU
Features	Type		Concealed	Concealed	Concealed
Power Supply		Φ, #, V, Hz	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50
Capacity	Cooling	kW	3.6	5.6	7.1
	Cooling	Btu/h	12,300	19,100	24,200
	Heating	kW	4.0	6.3	8.0
	Heating	Btu/h	13,600	21,500	27,300
Power Input	Cooling	kW	0.022	0.042	0.042
	Heating	kW	0.022	0.042	0.042
Current Input	Cooling	A	0.20	0.37	0.37
	Heating	A	0.20	0.37	0.37
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	167/142/100	259/233/183	259/233/183
	External Static Pressure (Min / Std / Max)	mmAq	0/3/6	0/3/6	0/3/6
	External Static Pressure (Min / Std / Max)	Pa	0/29.4/58.9	0/29.4/58.9	0/29.4/58.9
	Air Flow Rate (High / Mid / Low)	m³/h	600/510/360	930/840/660	930/840/660
	Motor (Output)	W	100	100	100
Piping Connections	Liquid Pipe (OD)	Φ, mm	6.35	6.35	9.52
	Liquid Pipe (OD)	Φ, inch	1/4	1/4	3/8
	Gas Pipe (OD)	Φ, mm	12.7	12.7	15.88
	Gas Pipe (OD)	Φ, inch	1/2	1/2	5/8
	Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	37/32/27	40/36/32	40/36/32
External Dimension (Indoor Unit)	Net Weight	kg	22.0	27.0	27.0
	Shipping Weight	kg	27.0	32.5	32.5
	Net Dimensions (WxHxD)	mm	945 x 600 x 220	1225 x 600 x 220	1225 x 600 x 220
	Shipping Dimensions (WxHxD)	mm	1035 x 690 x 310	1335 x 690 x 310	1335 x 690 x 310

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N



INDOOR UNIT | SPECIFICATION

OAP Duct (Fresh Air)





Model Name			AM140MNEPEH/EU	AM220MNEPEH/EU	AM280MNEPEH/EU
Features	Type		OAP Duct	OAP Duct	OAP Duct
Power Supply		Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Capacity	Cooling	kW	14.0	22.4	28.0
	Cooling	Btu/h	47,800	76,400	95,500
	Heating	kW	8.9	13.9	17.4
	Heating	Btu/h	30,400	47,400	59,400
Power Input	Cooling	kW	0.30	0.45	0.60
	Heating	kW	0.30	0.45	0.60
Current Input	Cooling	A	2.2	3.5	4.6
	Heating	A	2.2	3.5	4.6
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Air Flow Rate (High / Mid / Low)	l/s	300.00	466.67	583.33
	External Static Pressure (Min / Std / Max)	Pa	150/200/250	180/230/290	200/250/300
	Air Flow Rate (High / Mid / Low)	m^3/h	1080	1680	2100
Piping Connections	Liquid Pipe (OD)	Φ, mm	9.52	9.52	9.52
	Liquid Pipe (OD)	Φ, inch	3/8	3/8	3/8
	Gas Pipe (OD)	Φ, mm	15.88	19.05	22.22
	Gas Pipe (OD)	Φ, inch	5/8	3/4	7/8
	Drain Pipe	Φ, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure Level (High / Mid / Low)	dB(A)	42	46	47
External Dimension	Net Weight	kg	49.0	81.5	81.5
	Shipping Weight	kg	56.0	90.5	90.5
	Net Dimensions (WxHxD)	mm	1210 x 370 x 656	1360 x 460 x 910	1360 x 460 x 910
	Shipping Dimensions (WxHxD)	mm	1456 x 778 x 434	1612 x 519 x 984	1612 x 519 x 984
Additional Accessories	Drain Pump (Optional)	-	MDP-M075SGU2D	MDP-G075SP	MDP-G075SP

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

Individual Controllers (Optional)


MWR-WE13N


MWR-SH11N


MWR-SH00N


MWR-WG00JN


AR-EH03E


MRK-A10N

Drain Pump (Optional)


MDP-M075SGU2D


MDP-G075SP (External Type)

INDOOR UNIT | SPECIFICATION

ERV (Energy Recovery Ventilation)



ERV

Model Code		AN026JSKLKN/EU	AN035JSKLKN/EU	AN050JSKLKN/EU
Features	Type	ERV	ERV	ERV
Power Supply	[Φ, #, V, Hz]	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Performance	Air Volume [CMH]	260	350	500
Power Input	Turbo / High / Low [W]	115 / 80 / 45	115 / 80 / 50	175 / 120 / 65
Current	Turbo [A]	0.70	0.70	1.10
Fan	Air Flow Rate [CMH]	260 / 250 / 180	350 / 350 / 256	500 / 500 / 360
	External Static Pressure [Pa]	100 / 65 / 55	155 / 100 / 83	165 / 100 / 85
Temperature Exchange Efficiency (%)	Cooling [Turbo]	74	78	74
	Cooling [High]	74	78	74
	Cooling [Low]	75	79	75
	Heating [Turbo]	74	78	74
	Heating [High]	74	78	74
	Heating [Low]	75	79	75
Effective Enthalpy Exchange Efficiency (%)	Cooling [Turbo]	50	50	50
	Cooling [High]	50	50	50
	Cooling [Low]	55	55	55
	Heating [Turbo]	70	70	70
	Heating [High]	70	70	70
	Heating [Low]	76	76	76
Noise Level	Sound Pressure (Turbo / High / Low / Quiet) [dBA]	31.00 / 28.00 / 25.00 / 22.00	32.00 / 29.00 / 26.00 / 23.00	35.00 / 32.00 / 28.00 / 24.00
External Dimension	Net Weight [kg]	28.5	42.5	42.5
	Net Dimensions (WxHxD) [mm]	600 x 350 x 660	1012 x 270 x 1000	1012 x 270 x 1000

*Performances are based on the standard test condition.
*Specification may be subject to change without prior notice.

Individual Controllers (Optional)



MWR-VH12N

INDOOR UNIT | SPECIFICATION

ERV (Energy Recovery Ventilation)



ERV

Model Code		AN080JSKLKN/EU	AN100JSKLKN/EU
Features	Type	ERV	ERV
Power Supply	[Φ, #, V, Hz]	1,2,220-240,50/60	1,2,220-240,50/60
Performance	Air Volume [CMH]	800	1000
Power Input	Turbo / High / Low [W]	330 / 230 / 125	450 / 280 / 155
Current	Turbo [A]	2.1	2.9
Fan	Air Flow Rate [CMH]	800 / 800 / 560	1000 / 1000 / 690
	External Static Pressure [Pa]	155 / 90 / 80	155 / 90 / 75
Temperature Exchange Efficiency (%)	Cooling [Turbo]	77	74
	Cooling [High]	77	74
	Cooling [Low]	78	75
	Heating [Turbo]	77	74
	Heating [High]	77	74
	Heating [Low]	78	75
Effective Enthalpy Exchange Efficiency (%)	Cooling [Turbo]	50	50
	Cooling [High]	50	50
	Cooling [Low]	55	55
	Heating [Turbo]	70	70
	Heating [High]	70	70
	Heating [Low]	76	76
Noise Level	Sound Pressure (Turbo / High / Low / Quiet) [dBA]	36.00 / 33.00 / 29.00 / 25.00	37.00 / 34.00 / 30.00 / 26.00
External Dimension	Net Weight [kg]	67	67
	Net Dimensions (WxHxD) [mm]	1220 x 340 x 1135	1220 x 340 x 1135

*Performances are based on the standard test condition.
*Specification may be subject to change without prior notice.

Individual Controllers (Optional)



MWR-VH12N


SAMSUNG
DVM S2 WindFree™

Memo

SAMSUNG

DVM S2 | WindFree™

Digital Variable Multi

Compatible



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