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	32	39	7	54
Regional Offices	Production Sites	R&D Centers	Design Centers	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

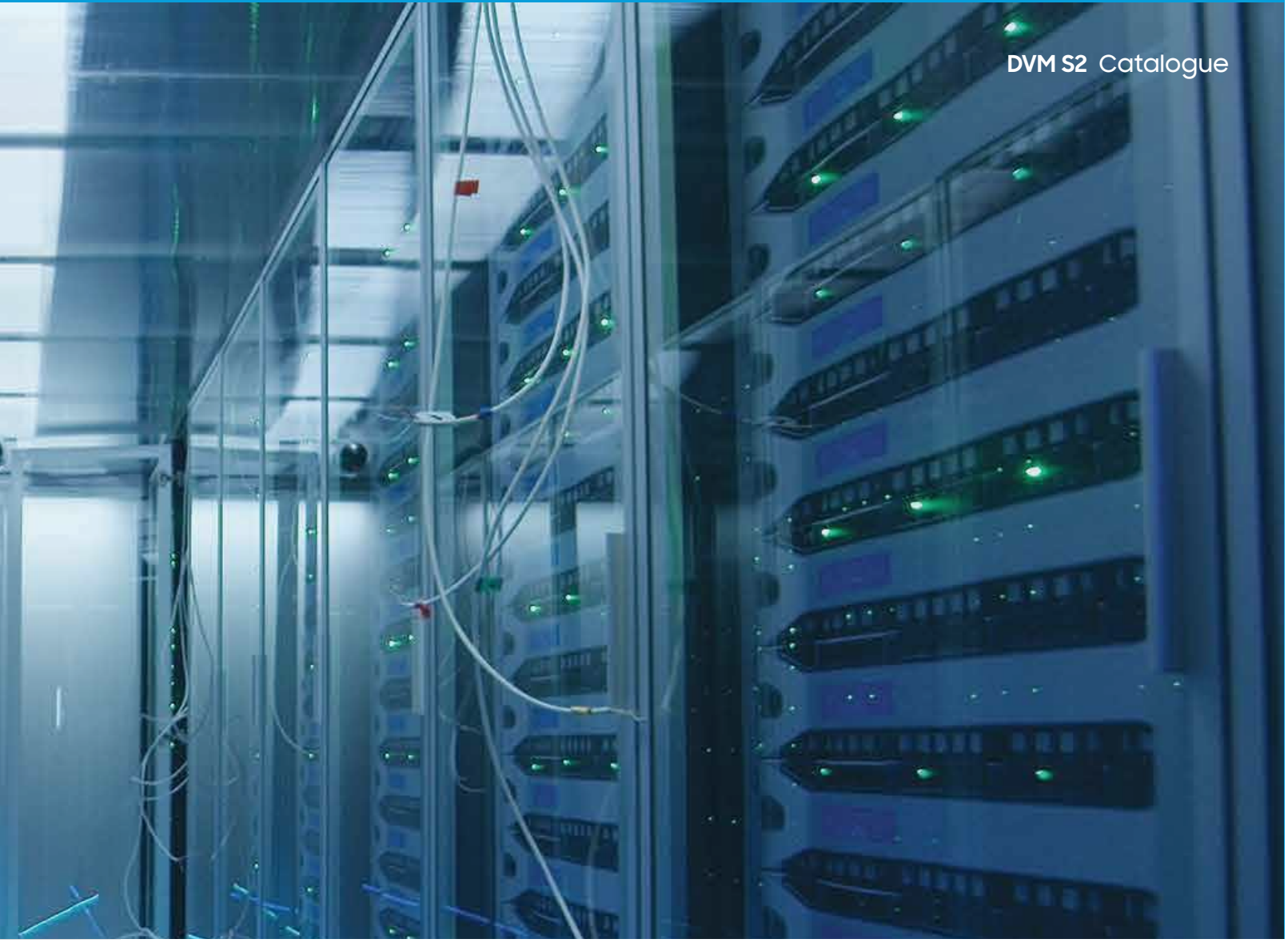
1975
Began RAC Production

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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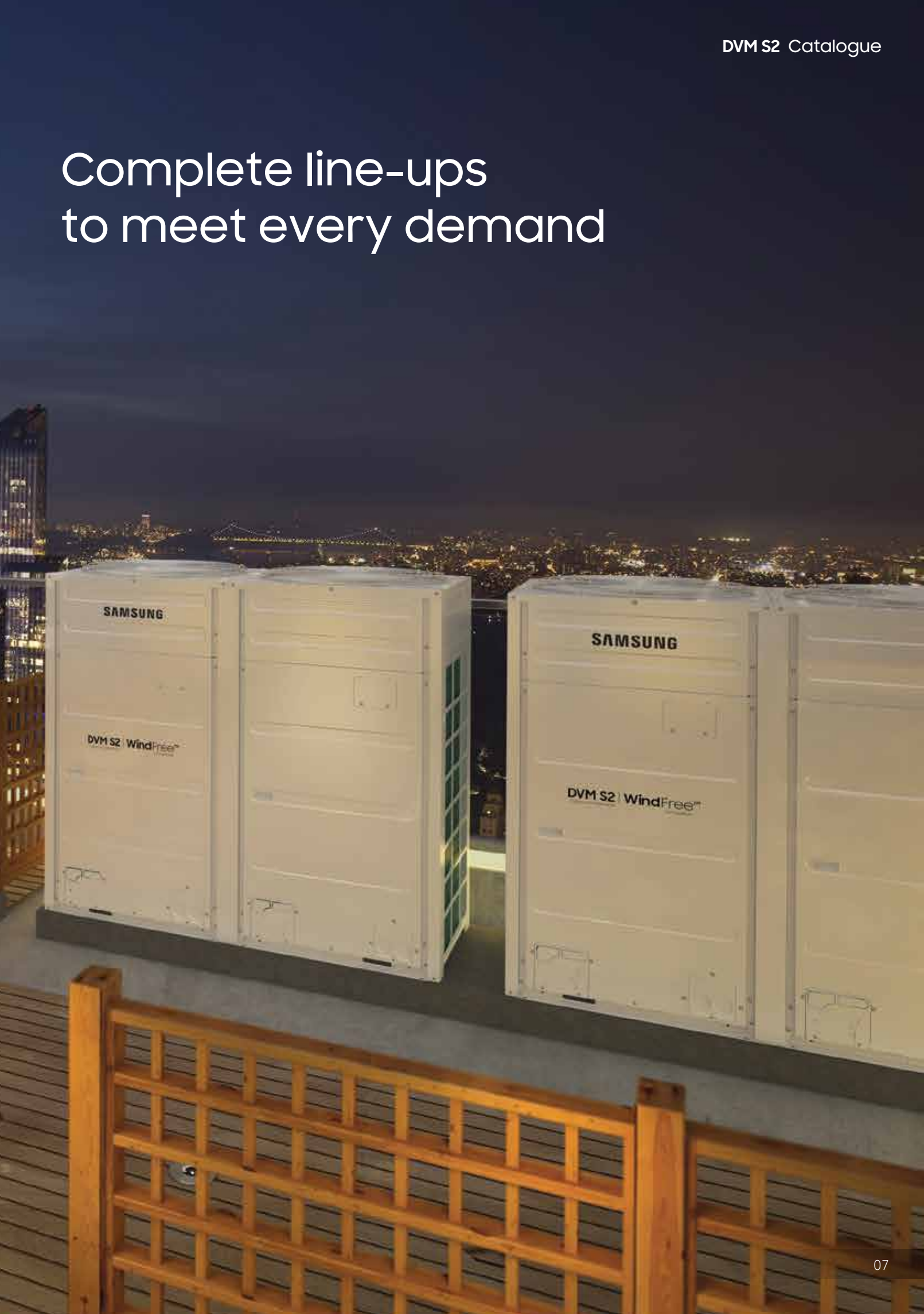
Complete line-ups to meet every demand

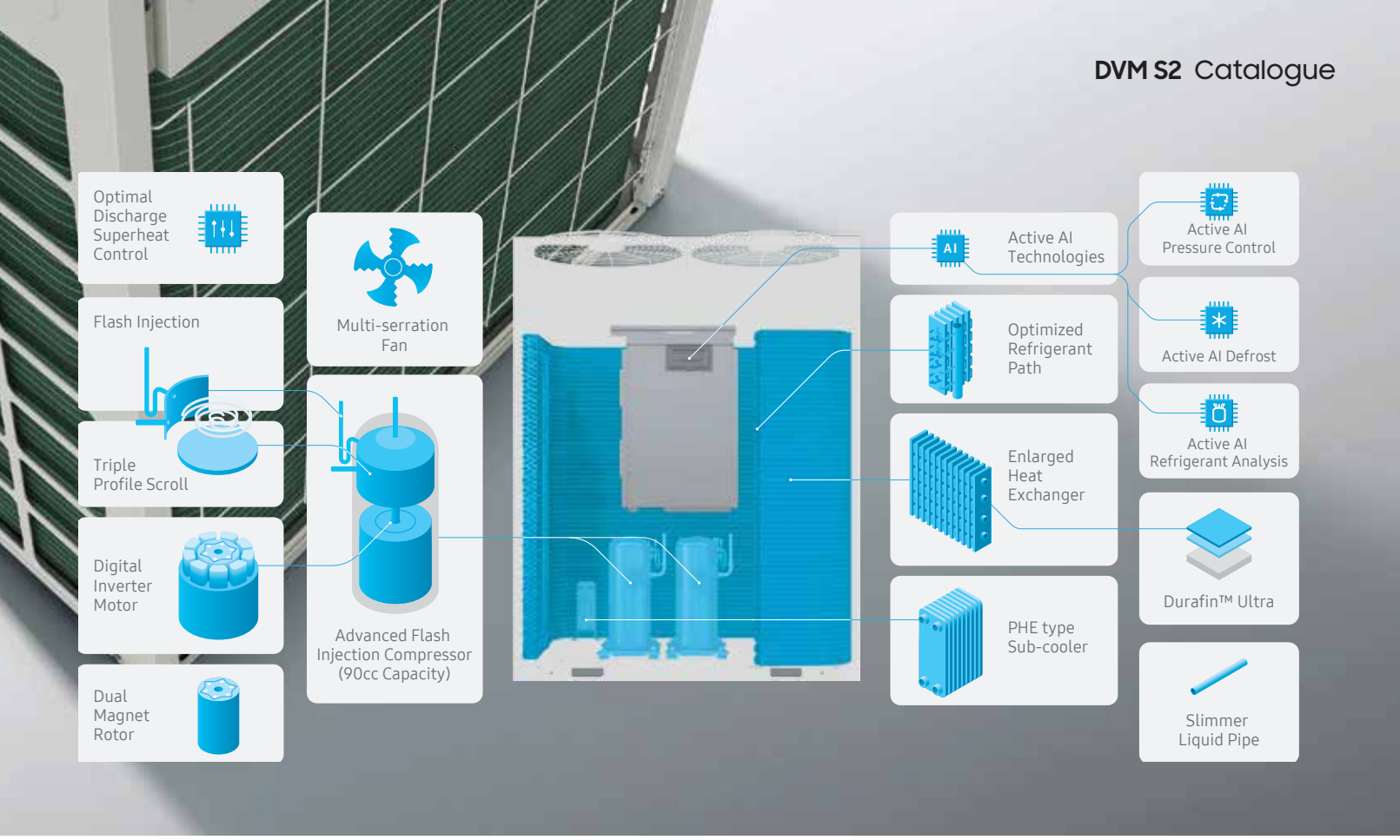


OUTDOOR UNIT

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

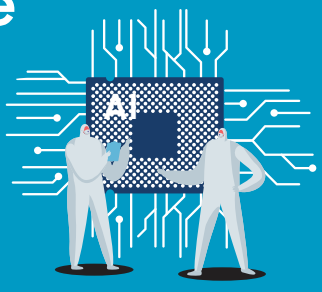
minimizes waste of energy

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

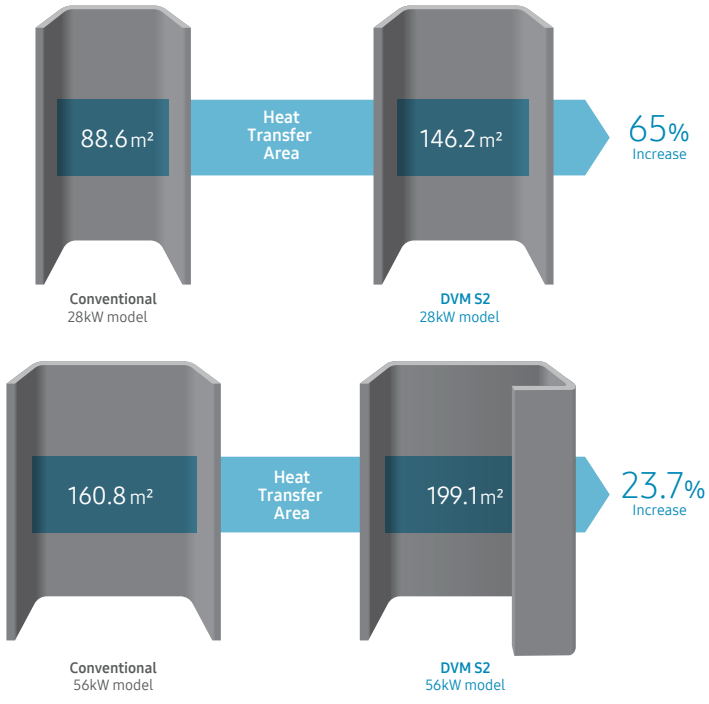
Energy Efficiency

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.

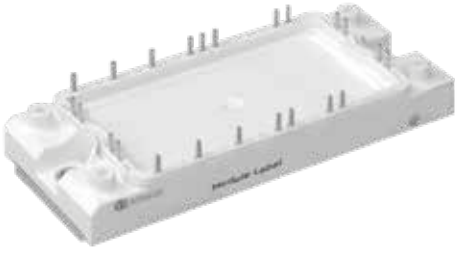


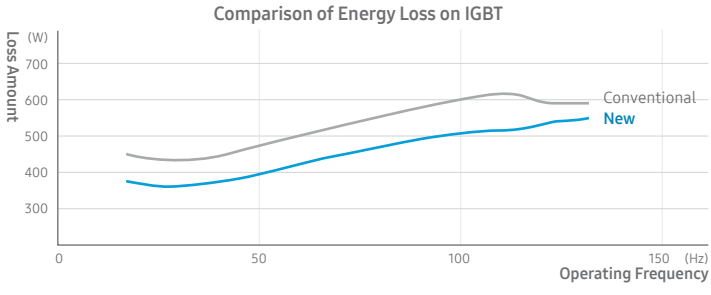
* Based on Samsung's measurements, comparing 28kW and 56kW models of DVM S2 and conventional outdoor unit.

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.

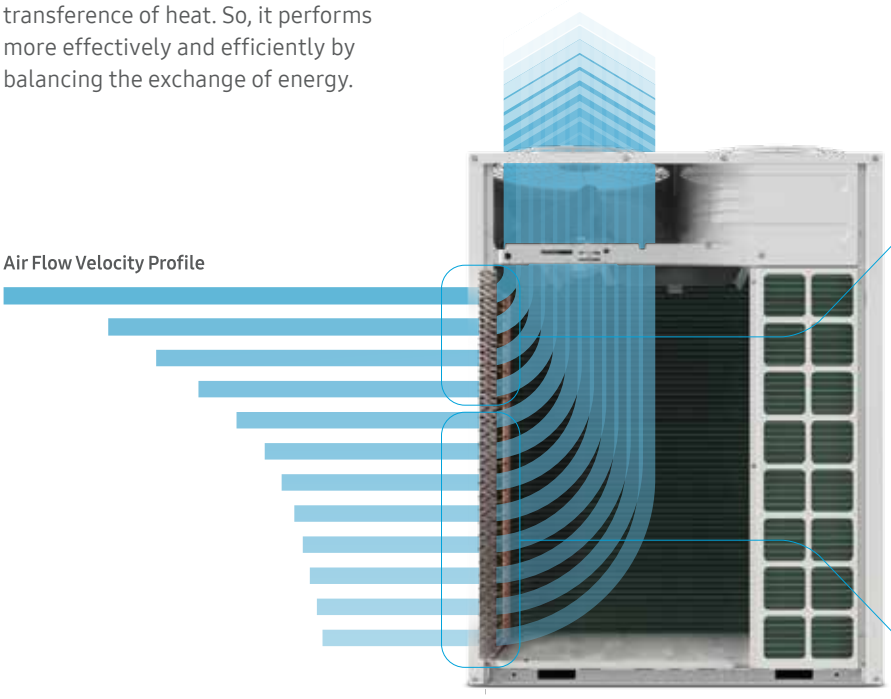
Energy Efficiency

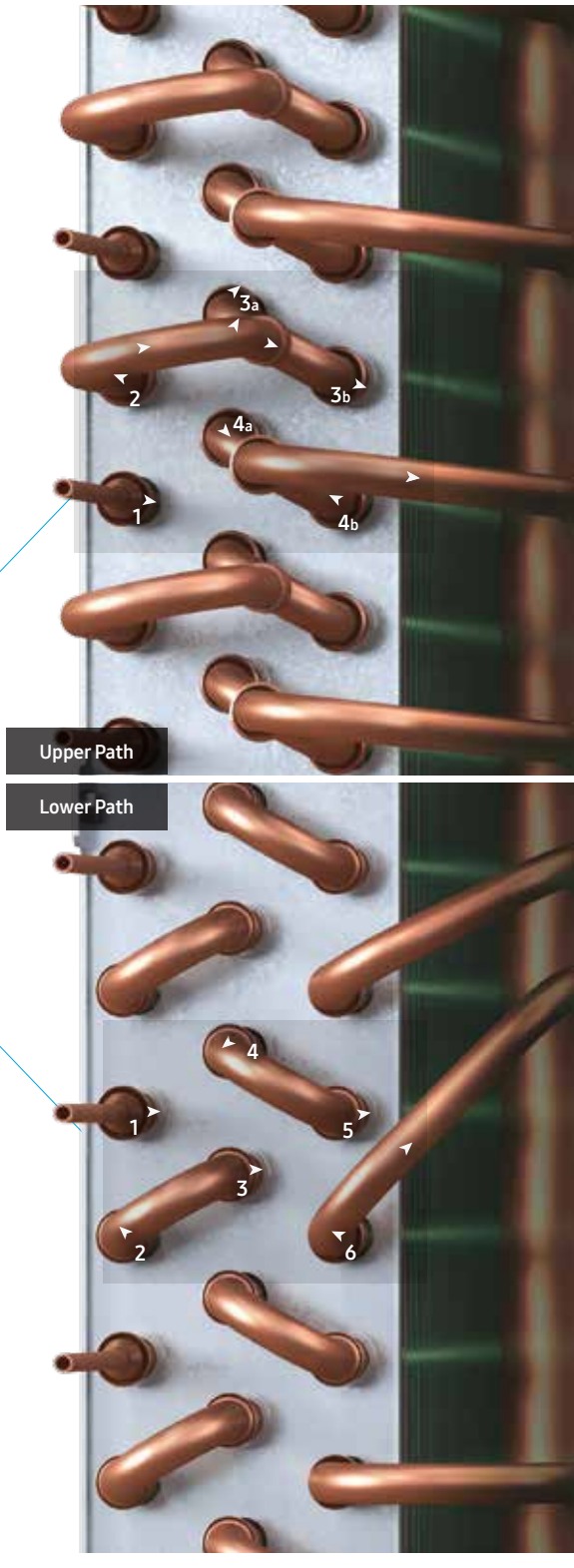
Cost & Energy Saving

Optimized refrigerant flow matches the air flow velocity

Optimized Refrigerant Path

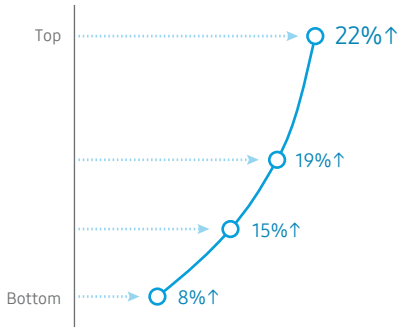
The air flow speed inside the outdoor unit varies depending on how far it is from the top fan – the closer the faster and the farther the slower – which normally results in the uneven exchange of heat from top to bottom. The Samsung DVM S2 has an optimized refrigerant path* that ensures that the flow 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.



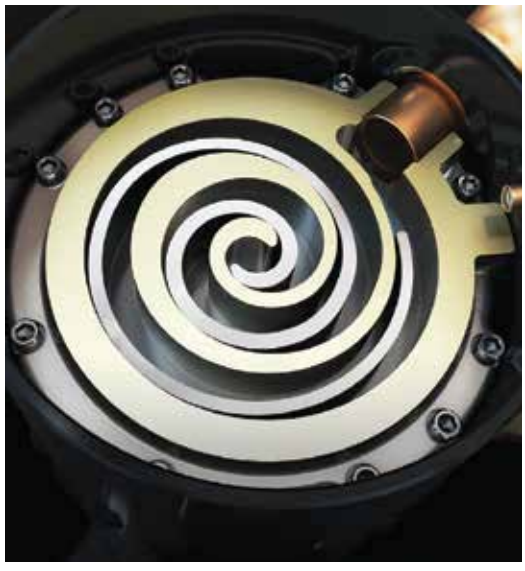
* The shape of the refrigerant path differs by model.

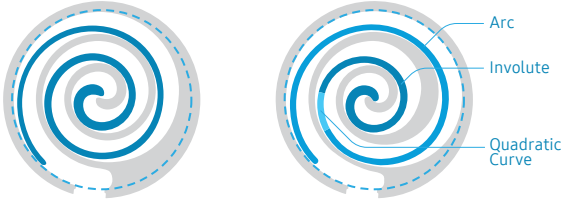
** Based on an internal module evaluation. Results may vary depending on the individual test or usage conditions.

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

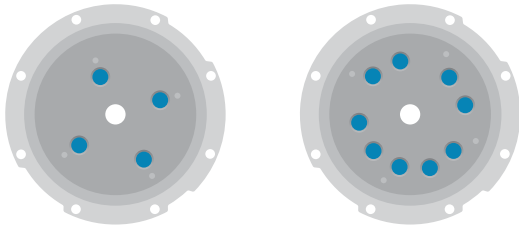
Triple Profile Scroll
Advanced Flash Injection (90cc)
2021

* 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

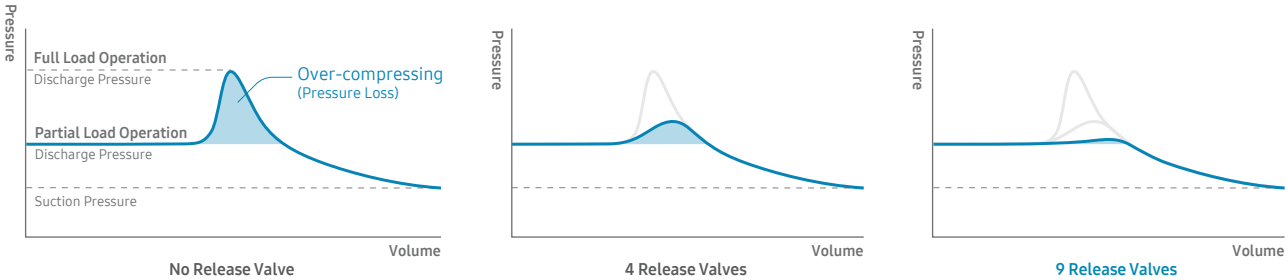
9 Release Valves

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



No Release Valve

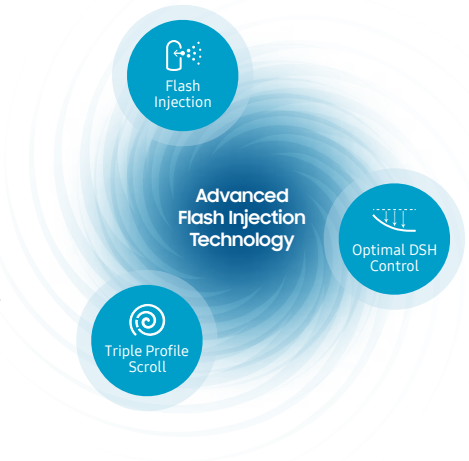
4 Release Valves

9 Release Valves

Energy Efficiency

Cost & Energy Saving

Better heating performance with Advanced Flash Injection technology



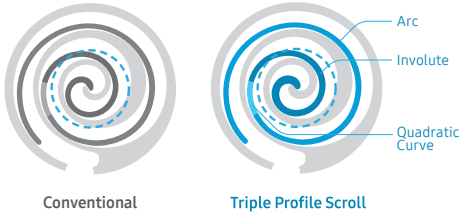
Advanced Flash Injection Compressor

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.

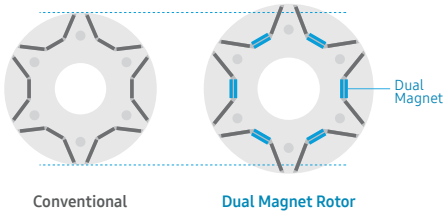
Super durability and speed create an unrivaled capacity

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

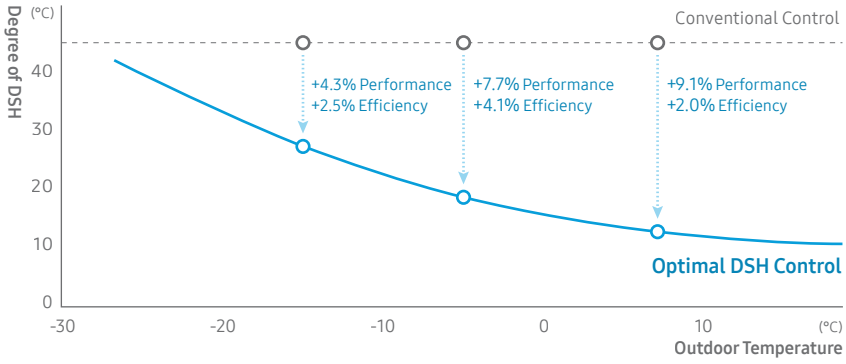
The Advanced Flash Injection Compressor of the DVM S2 has been certified with a Reliability Mark (R-Mark), organized by the Korea Reliability Certification Center, Korean Reliability Society.

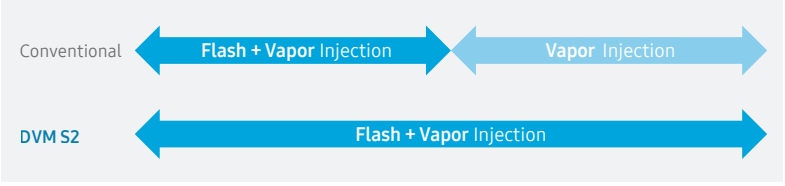
[No. R-KORAS-2018-012] Inverter type (Variable Speed) scroll compressor

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*.



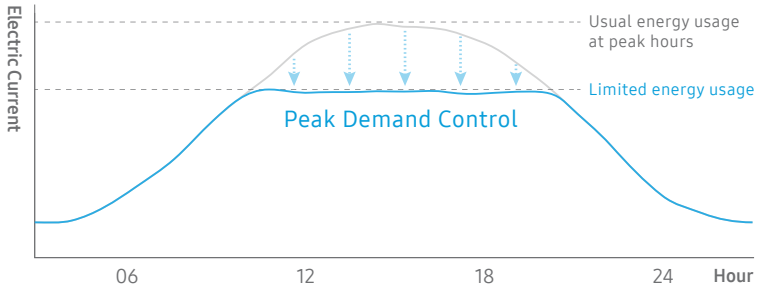


* Based on internal testing. Results may vary depending on environmental factors and individual use.

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).

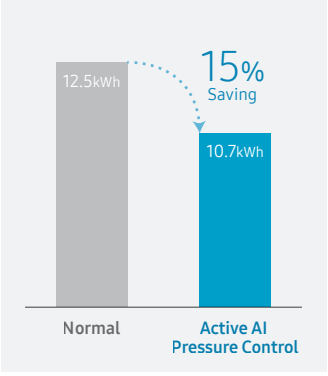


Figure 3. Cumulative energy consumption over 4 hours

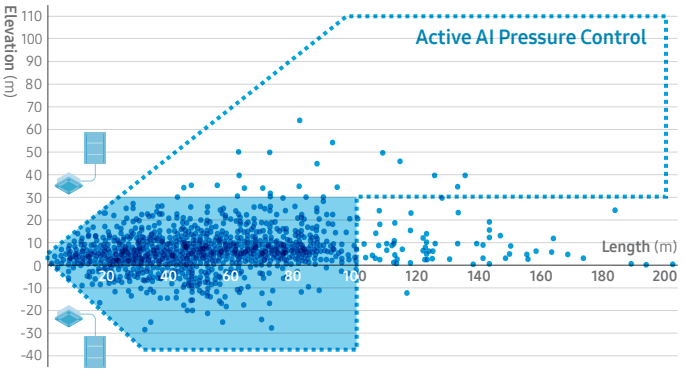


Figure 1. Installation sites by piping length and elevation*

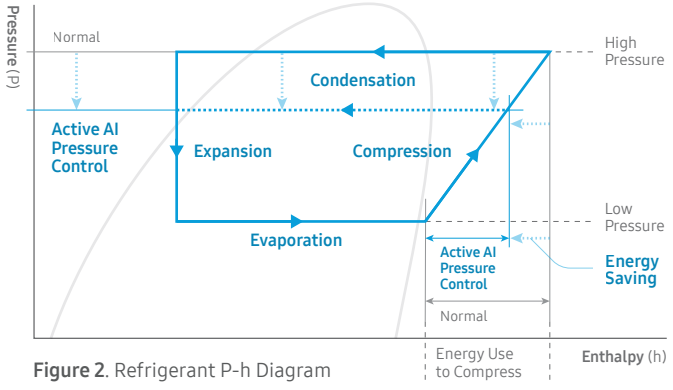


Figure 2. Refrigerant P-h Diagram

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.

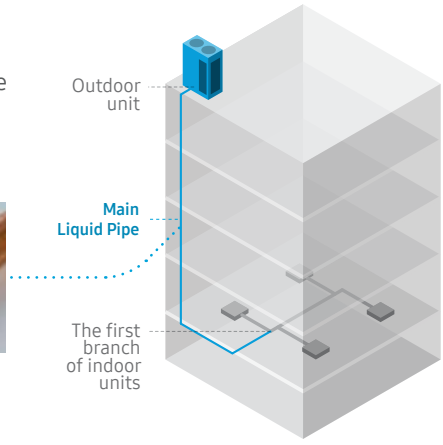
Greater design flexibility and lower costs

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



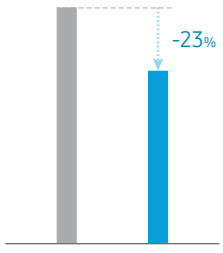
* Optional. A slimmer pipe can be used for the Main Liquid Pipe, between an outdoor unit and the first branch of indoor units. The diameter of the slimmer pipe will vary depending on the diameter of the pipe that is normally used, which is defined in the table above. Not available on the 22.4kW and 28kW 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.

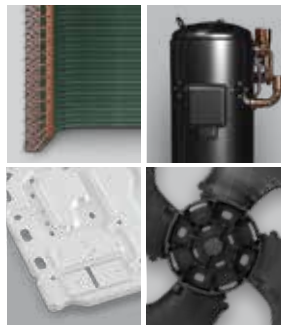
Less parts. Less effort and cost for servicing.

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



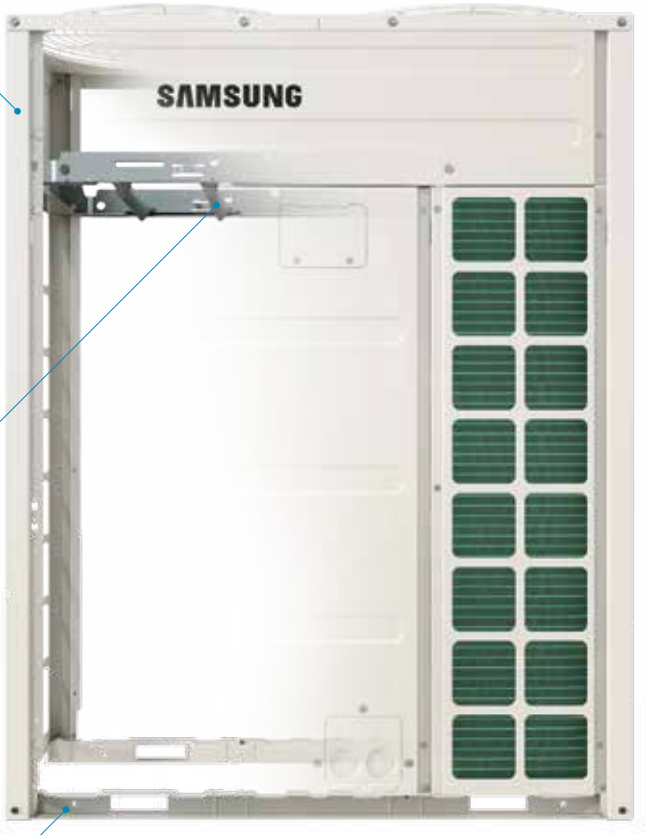
This modular design simplifies the entire process of maintenance and service, as less time and effort is required to check and fix any issues. And, from the viewpoint of warehousing, it also saves space as there is no need to store a lot of parts.

Reliability

Enhanced Reliability

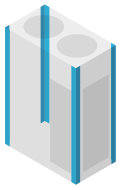
Less damage from physical shocks and swaying

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*.



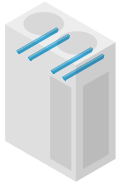
Robust Frame

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.



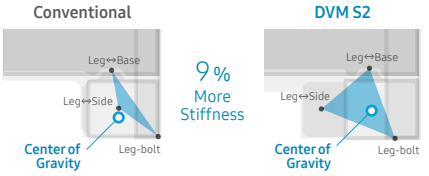
Kammtail Motor Bracket

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.

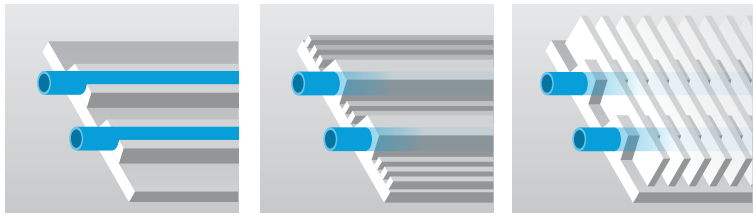
** Based on internal testing using Siemens NX Nastran 1867 simulation.

*** 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

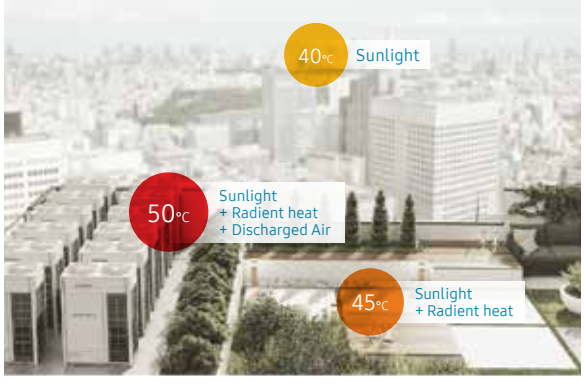
3rd Generation
Insert Diecasting Heat Sink*

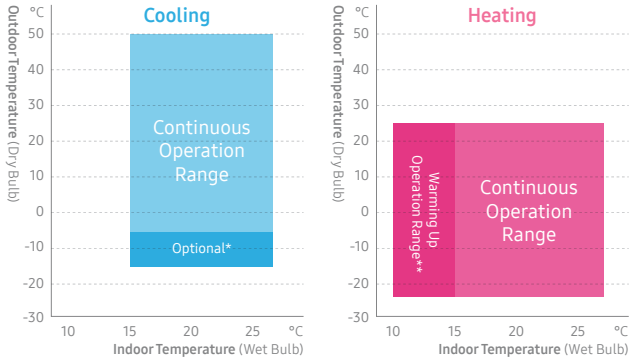
* The shape of the heat sink may vary by model.

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

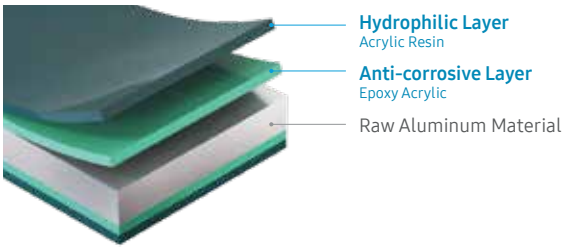
Anti-Corrosion Design

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.

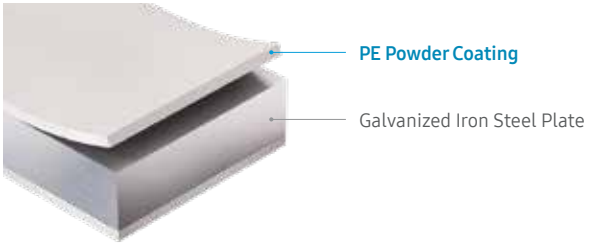
Durafin™ Ultra

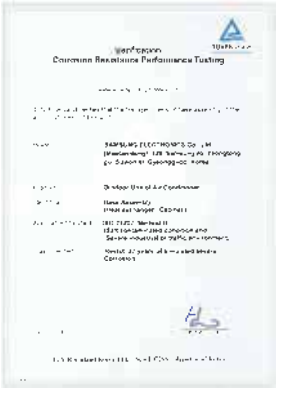
The Samsung DVM S2 outdoor unit's Durafin™ Ultra has an anti-corrosive layer of epoxy acrylic and a hydrophilic layer of acrylic resin that disperses water and reinforces its corrosion-resistance. Its superb quality was proven using the Salt Spray Test (SST) over a period of 2,280 hours* with no leakage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

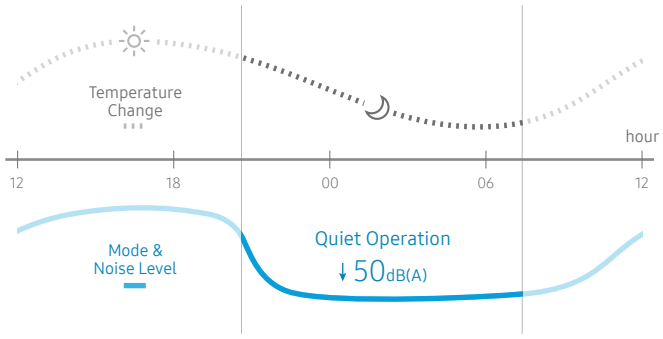
Comfort

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.

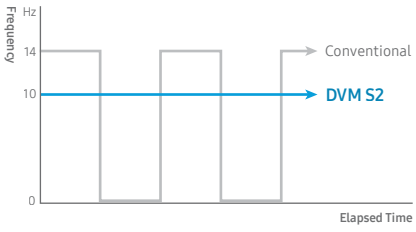
* Based on internal testing. Results may vary depending on environmental factors and individual use.



Ideal for continuous cooling even in cold weather

Active Frequency Drive 10Hz

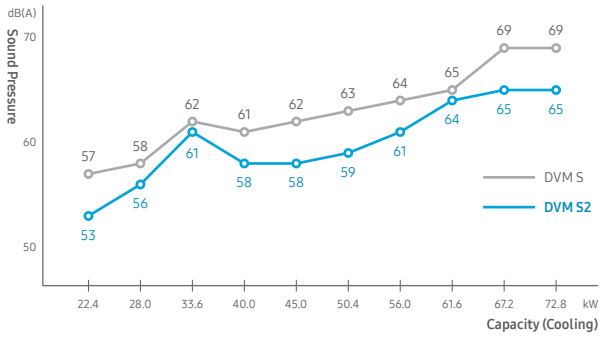
The need for air conditioning tends to rise not only in summer but also in spring and autumn. In particular, in rooms that require a constant temperature, like a server room, air conditioners are installed to ensure a stable cooling operation.
In cool weather, air conditioners can quickly reach the desired 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*.

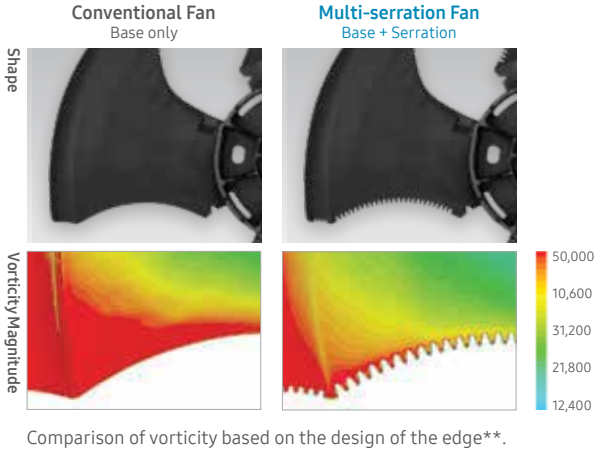


* Based on internal testing and simulation using a fluid dynamics software, Ansys CFX. Results may vary depending on the actual usage conditions.

Reduces fan noise by minimizing the air vortex

Multi-serration Fan*

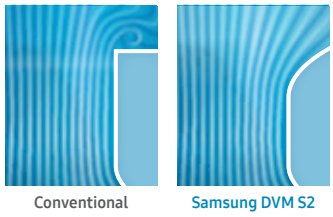
Eagle owls fly silently at night. Inspired by their wings, a new Multi-serration Fan* has two types of serration on its wing tip. It has a large serration on the inner part and a small serration on the outer part, which are designed to suit the different wind speeds around them. This combination minimizes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

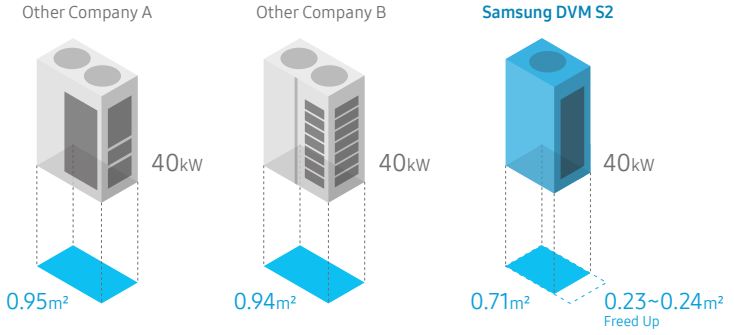
Fit in & Perform consistently in a variety of installation conditions

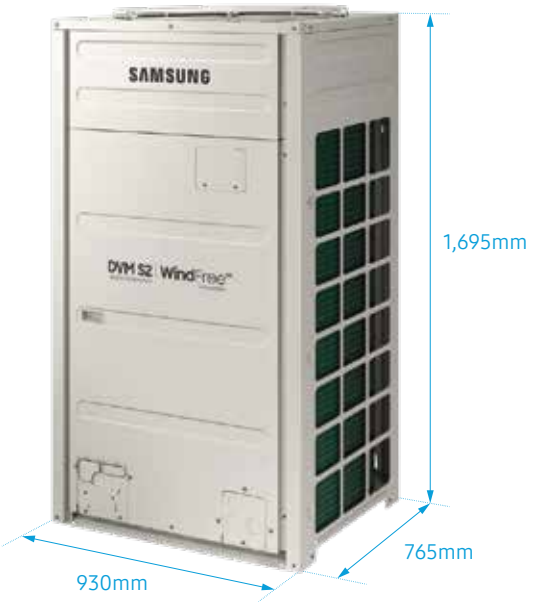
Flexibility

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.



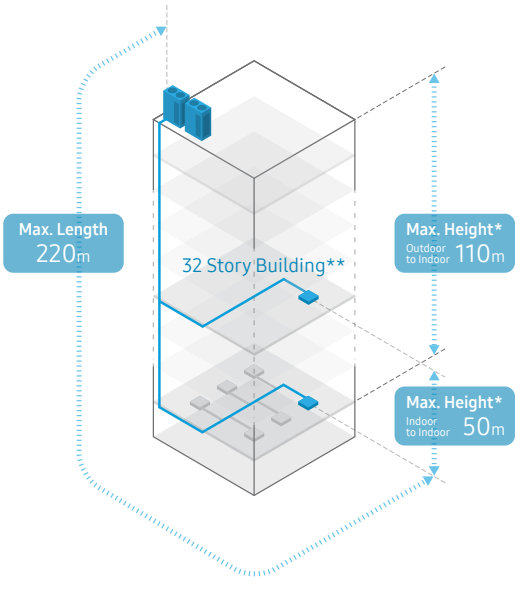


* Based on the AM140AXVAGH/EU, compared to the same capacity models of other companies.

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

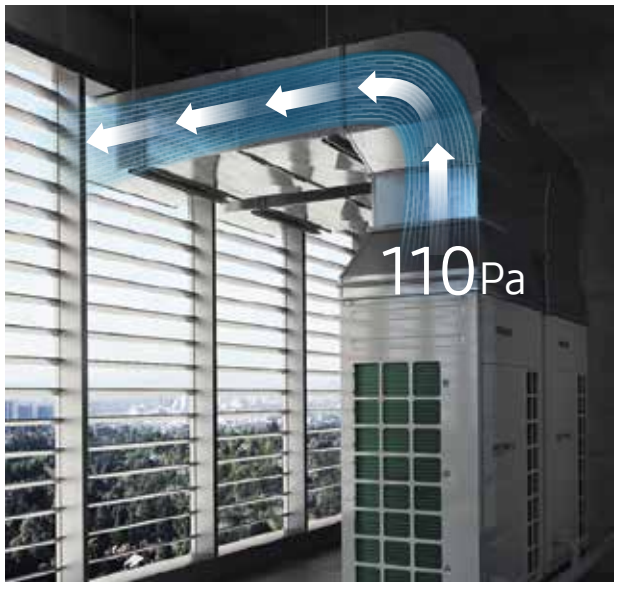
The DVM S2 compensates for the long piping distance between the outdoor and indoor units by providing balanced refrigerant distribution. The individual indoor units all perform capacity connection control and automatic refrigerant balancing to ensure a consistent performance in each unit.

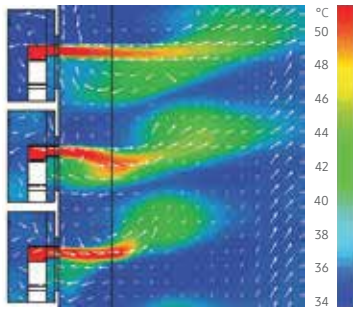
* When the piping height is over 50m, a PDM (Pressure Drop Modulation) Kit may be required depending on the conditions at the installation location.
** Based on the assumption that the height of a story is 3.5m. May vary depending on the location of indoor units.

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

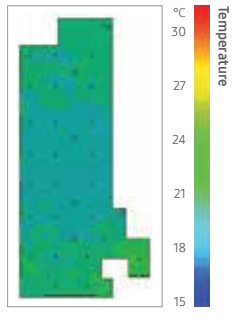
Up to 110Pa External Static Pressure

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.

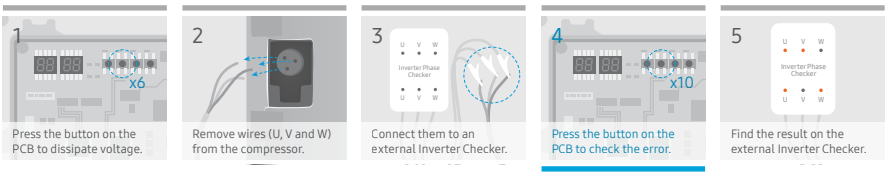
Examples of messages

OK
No error on PBA.

NG
Errors on PBA.

CHECK
Need to check manually.

Conventional Process using an External Inverter Checker - 5 Steps



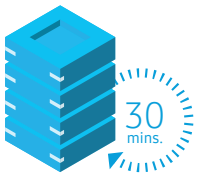
New Process using On-Device Inverter Check™ - 1 Step

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

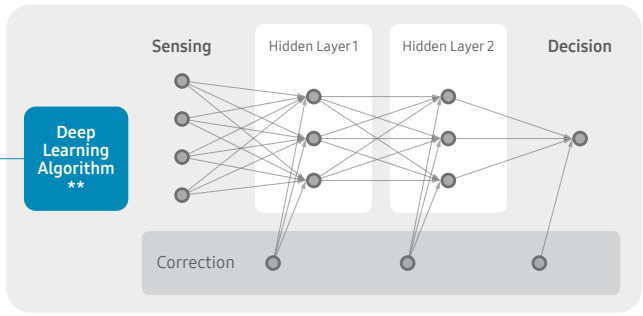
Automatic Data Backup

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.



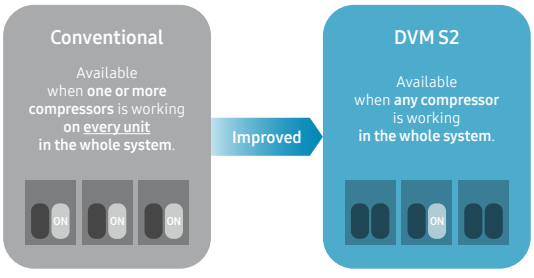
* A Machine Learning technology that uses an Artificial Neural Network (ANN) to learn like a human using various data.

** 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.
- Indoor units can be connected within the range indicated in following table.
- If the total capacity of the connected indoor units exceeds the indicated maximum capacity, cooling and heating capacity of the indoor unit may decrease.
- Total capacity of the connected indoor units can be allowed from 50% to 130% of the total outdoor unit capacity.
  0.5×Σ(Outdoor unit capacity) ≤ Total capacity of the connected indoor units ≤ 1.3×Σ(Outdoor unit capacity)
  - You can connect maximum 64 indoor units to the outdoor unit. Maximum quantity of connectable indoor unit is set to 64 since outdoor unit only support up to 64 communication address. Indoor unit address can be assigned from 0-63. If the indoor unit address was assigned from 64-79, E201 error will occur.
  - Maximum 32 Wall-mount type indoor units with EEV(AM~~XXXX~~NQDEH~~XXX~~, AM~~XXX~~JNVDKH~~XXX~~) can be connected.

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				

- Make sure to use an indoor unit that is compatible with DVM S2.
- Indoor units can be connected within the range indicated in following table.
- If the total capacity of the connected indoor units exceeds the indicated maximum capacity, cooling and heating capacity of the indoor unit may decrease.
- Total capacity of the connected indoor units can be allowed from 50% to 130% of the total outdoor unit capacity.
  0.5×Σ(Outdoor unit capacity) ≤ Total capacity of the connected indoor units ≤ 1.3×Σ(Outdoor unit capacity)
  - You can connect maximum 64 indoor units to the outdoor unit. Maximum quantity of connectable indoor unit is set to 64 since outdoor unit only support up to 64 communication address. Indoor unit address can be assigned from 0-63. If the indoor unit address was assigned from 64-79, E201 error will occur.
  - Maximum 32 Wall-mount type indoor units with EEV(AM~~XXXX~~NQDEH~~XXX~~, AM~~XXX~~JNVDKH~~XXX~~) can be connected.

Outdoor Line-up | 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	

Capa (HP)	Model Name	Model
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	

Capa (HP)	Model Name	Model
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.
- Indoor units can be connected within the range indicated in following table.
- If the total capacity of the connected indoor units exceeds the indicated maximum capacity, cooling and heating capacity of the indoor unit may decrease.
- Total capacity of the connected indoor units can be allowed from 50% to 130% of the total outdoor unit capacity.
  0.5×Σ(Outdoor unit capacity) ≤ Total capacity of the connected indoor units ≤ 1.3×Σ(Outdoor unit capacity)
  - You can connect maximum 64 indoor units to the outdoor unit. Maximum quantity of connectable indoor unit is set to 64 since outdoor unit only support up to 64 communication address. Indoor unit address can be assigned from 0-63. If the indoor unit address was assigned from 64-79, E201 error will occur.
  - Maximum 32 Wall-mount type indoor units with EEV(AM~~XXXX~~NQDEH~~XXX~~, AM~~XXX~~JNVDKH~~XXX~~) can be connected.

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
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	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	

- Make sure to use an indoor unit that is compatible with DVM S2.
- Indoor units can be connected within the range indicated in following table.
- If the total capacity of the connected indoor units exceeds the indicated maximum capacity, cooling and heating capacity of the indoor unit may decrease.
- Total capacity of the connected indoor units can be allowed from 50% to 130% of the total outdoor unit capacity.
  0.5×Σ(Outdoor unit capacity) ≤ Total capacity of the connected indoor units ≤ 1.3×Σ(Outdoor unit capacity)
  - You can connect maximum 64 indoor units to the outdoor unit. Maximum quantity of connectable indoor unit is set to 64 since outdoor unit only support up to 64 communication address. Indoor unit address can be assigned from 0-63. If the indoor unit address was assigned from 64-79, E201 error will occur.
  - Maximum 32 Wall-mount type indoor units with EEV(AM~~XXXX~~NQDEH~~XXX~~, AM~~XXX~~JNVDKH~~XXX~~) can be connected.

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 | 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

					AM480AXVANC/EA	AM500AXVANC/EA	AM520AXVANC/EA	AM540AXVANC/EA
Model Name	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, 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)	59.0	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)		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

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.	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 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			m^3/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.		mmAq	-	-	-	-
				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, 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	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)			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

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			m³/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.		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 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, 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	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)			mm	(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)			mm	(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			°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

					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

				AM800AXVANC1EA	AM820AXVANC1EA	AM840AXVANC1EA	AM860AXVANC1EA
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			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		m³/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.	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	(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	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)		mm	(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)		mm	(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		°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



				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

					AM480AXVANH/EA	AM500AXVANH/EA	AM520AXVANH/EA	AM540AXVANH/EA
Model Name	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 | 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		m^3/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.	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 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, 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	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)		mm	(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)		mm	(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		°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

				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		m³/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.	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 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, 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 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)		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 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)		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 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		°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

				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.	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 4	(620 x 2) x 4	(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	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)		mm	(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)		mm	(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		°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

				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		m³/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.	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 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, 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 + 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)		mm	(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)		mm	(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		°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

				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		㎥/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.	㎜Aq	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, ㎜ (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 + 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)		㎜	(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 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
	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

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 | 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 I 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.
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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
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