

SAMSUNG VRF SYSTEM

DVM S

HIGH EFFICIENCY SYSTEM AIR CONDITIONER

SAMSUNG



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Version 5-2.14

QUIETSIDE®

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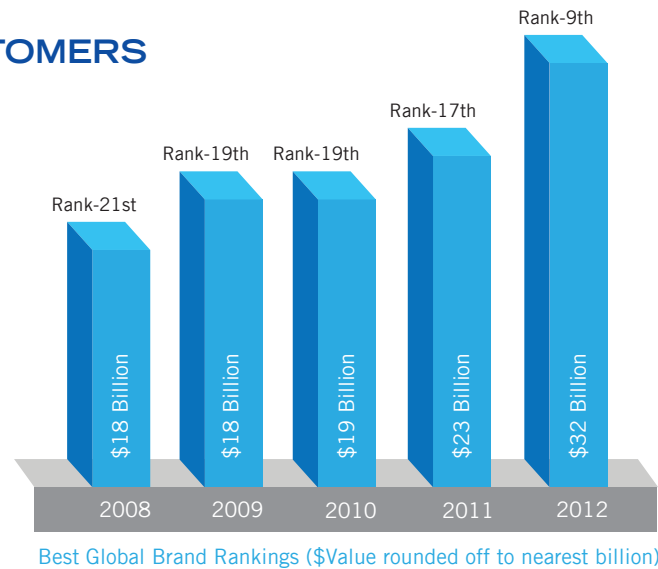
PRODUCT CATALOG

SAMSUNG

MOVING FORWARD WITH OUR CUSTOMERS

“Put simply, our differentiation is centered on producing innovative technology that brings genuine change to people’s lives. We do this by bringing a relentless focus on consumer experience and product innovation in everything we do.”

- Chief Marketing Officer, SAMSUNG



ECO-FRIENDLY SAMSUNG

Preserving for future generations

Thinking of people and the environment, Samsung has been developing products/solutions that are eco-friendly without sacrificing performance. Realizing the hopes for a greener, healthier life for people and the generations that follow, Samsung’s environment-friendly technologies work to make the world a safer and more liveable place.



Eco-Friendly Air Conditioners by Samsung

Making continuous efforts to stay eco-friendly, Samsung air conditioners use R-410A, an environment-friendly refrigerant to help rid the air of pollutants and restrain the use of materials with high global warming potential (GWP). These energy-efficient air conditioners not only save you money, but help conserve the environment.

SAMSUNG’S DVM SYSTEMS ARE A GLOBAL OPERATION

Various groups from all over the world choose Samsung’s DVM systems for their proven performance.



LOCATION: TENNESSEE, USA - PROJECT: VIDEO GAME TECHNOLOGIES



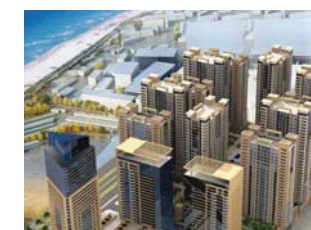
LOCATION: TENNESSEE, USA - PROJECT: VIDEO GAME TECHNOLOGIES



LOCATION: HUNGARY - PROJECT: SHOPPING CENTER



LOCATION: TENNESSEE, USA - PROJECT: LIPSCOMB COLLEGE



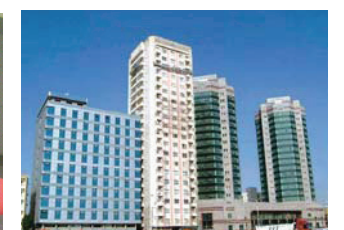
LOCATION: U.A.E
PROJECT: RESIDENTIAL BUILDING



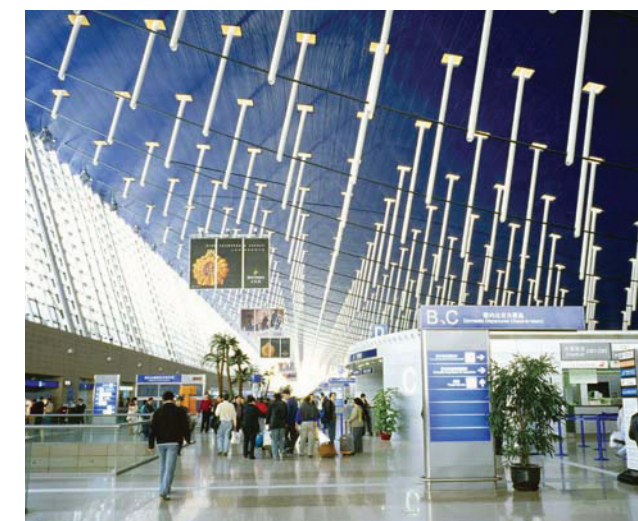
LOCATION: VIETNAM
PROJECT: HOTEL



LOCATION: QATAR
PROJECT: OFFICE BUILDING



LOCATION: QATAR
PROJECT: OFFICE BUILDING



LOCATION: CHINA - PROJECT: INTERNATIONAL AIRPORT



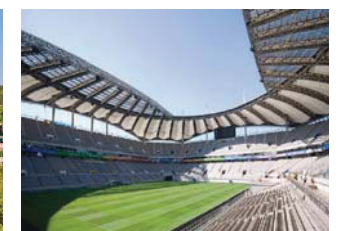
LOCATION: B.C., CANADA
PROJECT: DOUGLAS COLLEGE



LOCATION: TEXAS, USA
PROJECT: HMS



LOCATION: TURKEY
PROJECT: PRINCESS RESORT



LOCATION: KOREA
PROJECT: SOCCER STADIUM

CAPACITY TABLES



OUTDOOR UNITS

| | 3 Ton | 4 Ton | 5 Ton | 6 Ton | 8 Ton | 10 Ton | 12 Ton |
|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| HP (208/230V-1Ph) | AM036FXMDCH/AA | AM048FXMDCH/AA | AM053FXMDCH/AA | | | | |
| HP (208/230V-3Ph) | | | | AM072FXVAFH/AA | AM096FXVAFH/AA | AM120FXVAFH/AA | AM144FXVAJR/AA |
| HR (208/230V-3Ph) | | | | AM072FXVAFR/AA | AM096FXVAFR/AA | AM120FXVAFR/AA | AM144FXVAFR/AA |
| HP (460V-3Ph) | | | | AM072FXVAJH/AA | AM096FXVAJH/AA | AM120FXVAJH/AA | AM144FXVAJH/AA |
| HR (460V-3Ph) | | | | AM072FXVAJR/AA | AM096FXVAJR/AA | AM120FXVAJR/AA | AM144FXVAJR/AA |

HP - Heat Pump / HR - Heat Recovery

| | Size | 6 Ton | 8 Ton | 10 Ton | 12 Ton |
|------------|--------|-------|-------|--------|--------|
| Single C/U | 6 Ton | 1 | | | |
| | 8 Ton | | 1 | | |
| | 10 Ton | | | 1 | |
| | 12 Ton | | | | 1 |
| Double C/U | 14 Ton | 1 | 1 | | |
| | 16 Ton | 1 | | 1 | |
| | 18 Ton | 1 | | | 1 |
| | 20 Ton | | | 2 | |
| | 22 Ton | | | 1 | 1 |
| | 24 Ton | | | | 2 |
| Triple C/U | 26 Ton | 1 | 1 | | 1 |
| | 28 Ton | 1 | | 1 | 1 |
| | 30 Ton | 1 | | | 2 |
| | 32 Ton | | | 2 | 1 |
| | 34 Ton | | | 1 | 2 |
| | 36 Ton | | | | 3 |

INDOOR UNITS

| | 7,500 BTU | 9,500 BTU | 12,000 BTU | 18,000 BTU | 20,000 BTU | 24,000 BTU | 30,000 BTU | 36,000 BTU | 48,000 BTU | 76,000 BTU | 96,000 BTU |
|---------------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 4 Way Cassette | | ✓ | | ✓ | | ✓ | ✓ | ✓ | ✓ | | |
| Mini 4 Way Cassette | | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 1 Way Cassette | ✓ | ✓ | ✓ | | | | | | | | |
| H.S.P. Duct | | | | | | | | ✓ | ✓ | ✓ | ✓ |
| M.S.P. Duct | | | | ✓ | | ✓ | ✓ | ✓ | ✓ | | |
| Slim Duct | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | |
| Wall Mount | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| Ceiling/Floor Mount | | | | ✓ | | ✓ | | | | | |



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SPECIFICATIONS

DVM S

DIGITAL VARIABLE MULTI

DVM S is a highly innovative system that adopts the new 3rd generation SSC (Samsung Scroll Compressor) technology. With its Dual Smart Inverter, DVM S provides the world's top class energy efficiency and the most powerful cooling and heating performance. This is the perfect air conditioning system that satisfies all types of environments, including large and small buildings.

- Innovative Technology
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- Heat Recovery



As High as IEER 27 / SCHE 30



INNOVATIVE TECHNOLOGY

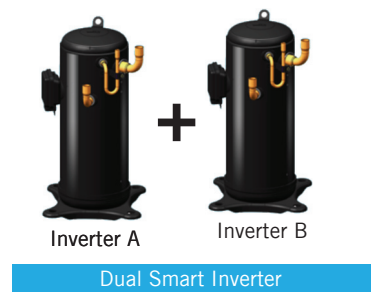
• 3rd Generation Technology

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



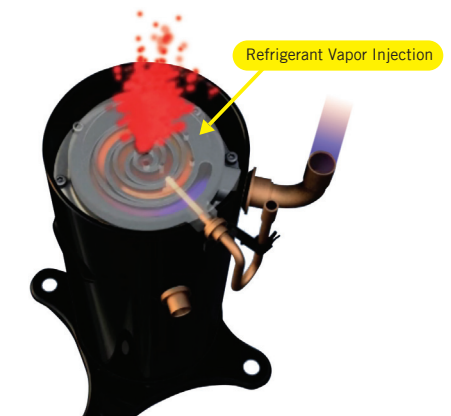
• Dual Smart Inverter

The innovative Dual Smart Inverter feature has both compressors operate simultaneously, providing balanced oil distribution, quick cooling & heating and better energy efficiency.



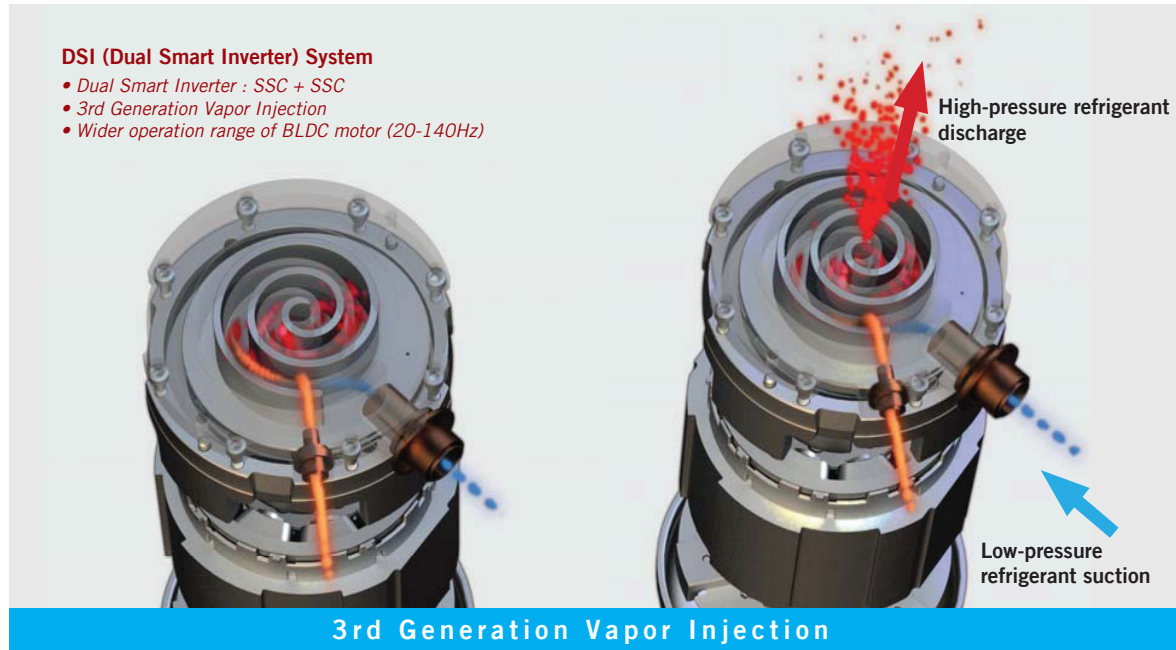
• 3rd Generation Vapor Injection System

Upgraded vapor injection system within the compressor increases the refrigerant flow rate by up to 20% compared to conventional products.



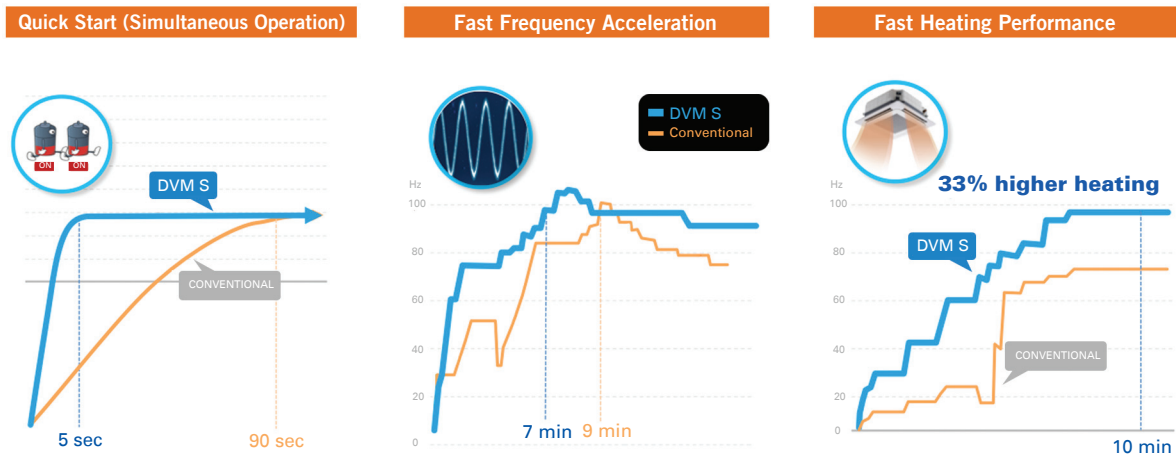
Dual Smart Inverter System

This 3rd generation feature adopts a dual inverter compressor that upgrades refrigerant flow and the motor's operating performance. The Dual Smart Inverter System achieves unsurpassed energy efficiency.



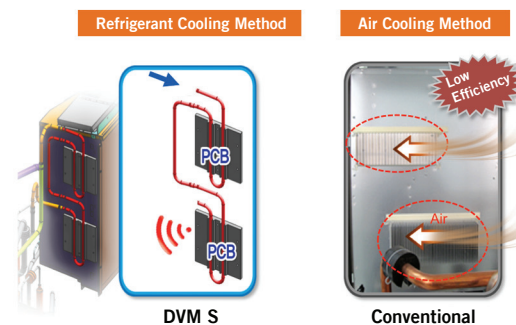
Quick Cooling & Heating

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



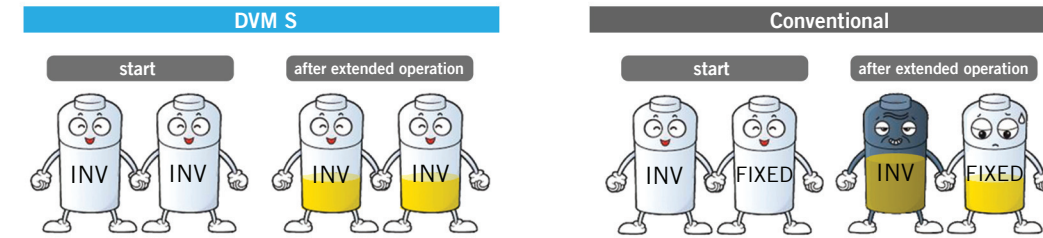
Refrigerant PCB Cooling System

The PCB is cooled by the refrigerant, ensuring better stability.



Enhanced Compressor Durability

In a conventional system composed of inverter and fixed compressors, one compressor operates longer than the other which results in one compressor wearing down faster. This in fact decreases compressor durability and life span. However, with the DVM S Dual Smart Inverter System, each compressor operates in unison with the other so the overall durability and life span of the compressors increases.



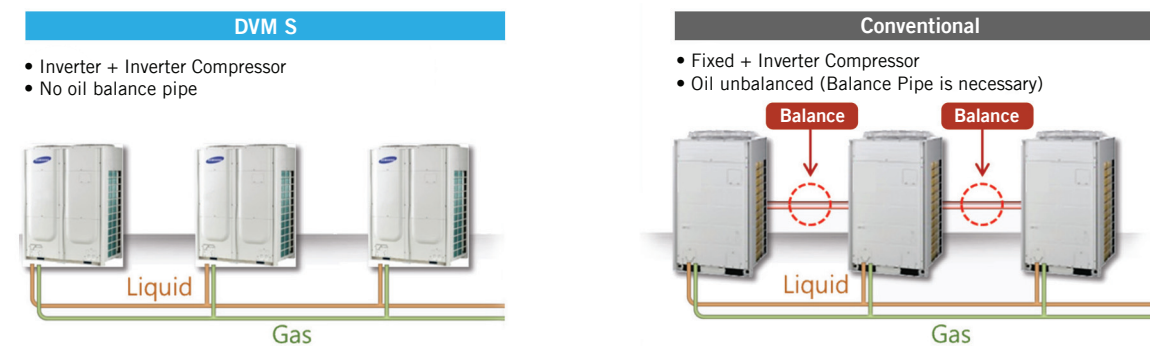
Thanks to capacity control, the DSI (Dual Smart Inverter) system responds to subtle indoor load changes, saving energy.

| | Case 1 | Case 2 | Case 3 |
|---|-------------------|-------------------|------------------|
| DVM S (Inverter + Inverter) | INV ON, INV OFF | INV OFF, INV ON | INV ON, INV ON |
| Conventional (Inverter + Fixed) | INV ON, FIXED OFF | INV ON, FIXED OFF | INV ON, FIXED ON |

Compressors Alternate operation to share equal run times to ensure equipment longevity

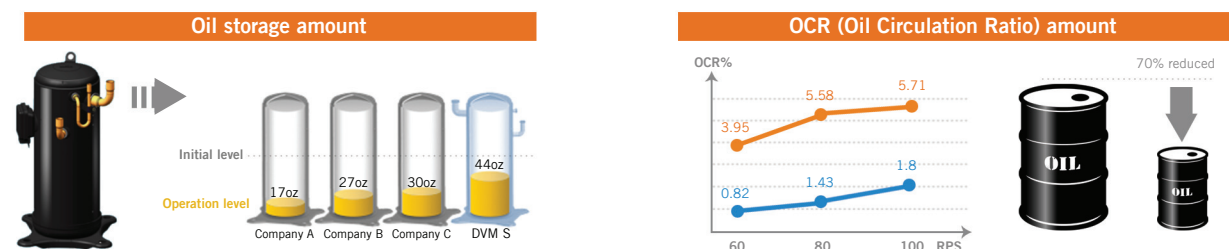
Auto Oil Balancing

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



Large Oil Storage Capacity

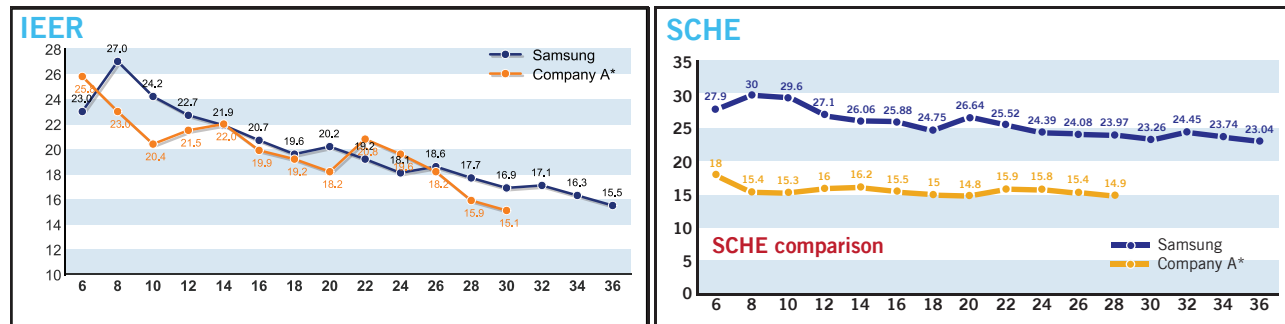
With large oil storage and low OCR, DVM S can ensure reliability even in high altitude applications that require long piping.



HIGH EFFICIENCY

• Top Class Energy Efficiency

DVM S has achieved top class energy efficiency by adopting a dual inverter compressor with vapor injection system. Simultaneous heating/cooling efficiency: as high as 27 IEER, 30 SCHE.



22 & 24 Ton / Samsung: 2 Outdoor Units, Competitor: 3 Outdoor Units
 Detailed AHRI rating information can be found at <http://www.ahridirectory.org/ceedirectory/pages/vrf/VRFDirectory.pdf>
 *Company A is highest amongst its competitors (IEER and SCHE)

• Largest System Size

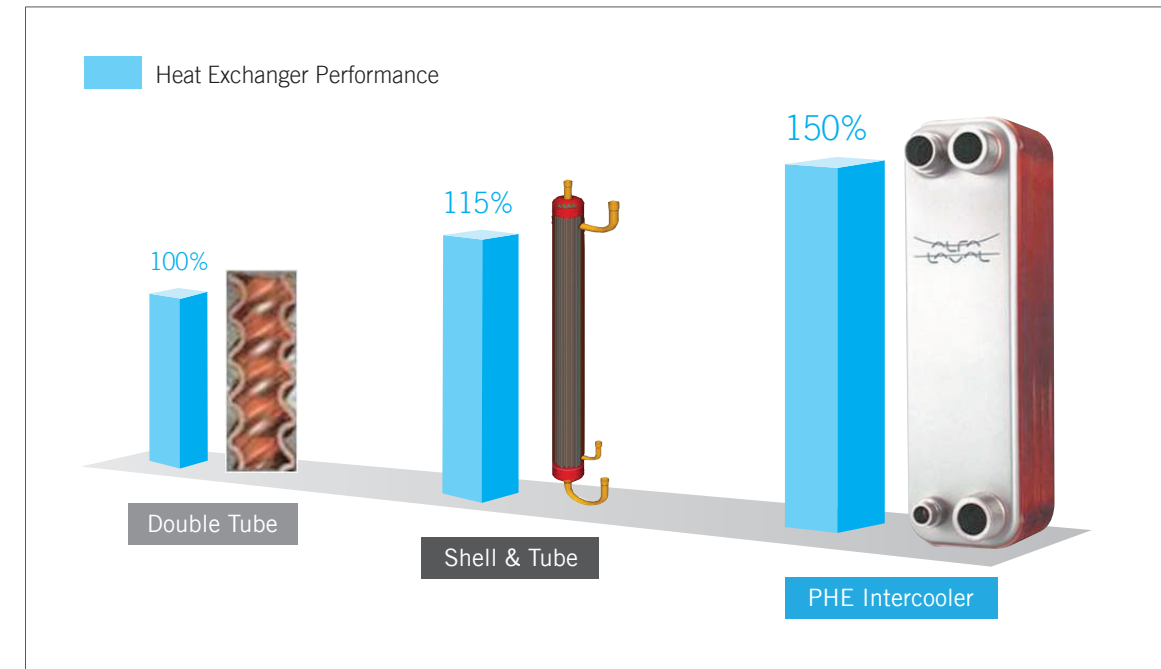
SAMSUNG 36 TON > Competitor A - 28 Ton (Heat Recovery) & 30 Ton (Heat Pump)
 Competitor B - 24 Ton (Heat Recovery) & 30 Ton (Heat Pump)

| TON | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 |
|-------|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| DVM S | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| HR A | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | NA | NA | NA | NA |
| HR B | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | NA | NA | NA | NA | NA | NA |

of outdoor units

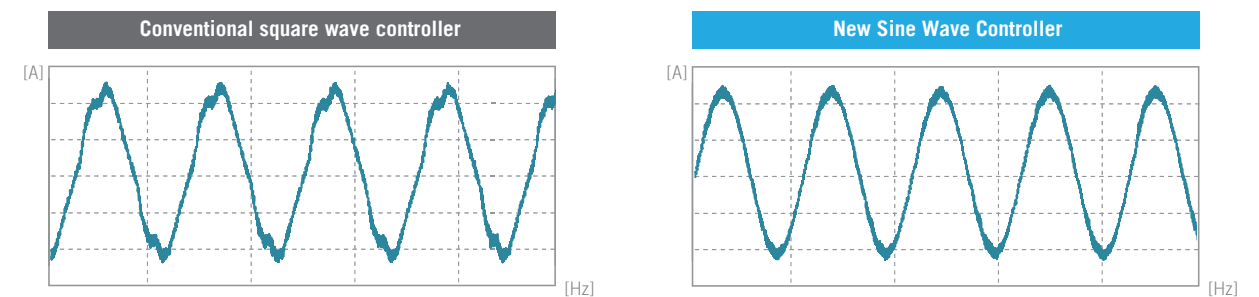
• Plate Heat Exchanger

The Plate Heat Exchanger type intercooler that Samsung's DVM S adopts improves cooling and heating efficiency. Heat efficiency with PHE has been improved by about 30% compared to conventional products with the Shell & Tube type intercooler and by 50% compared to competitors' products with the Double Tube type intercooler.



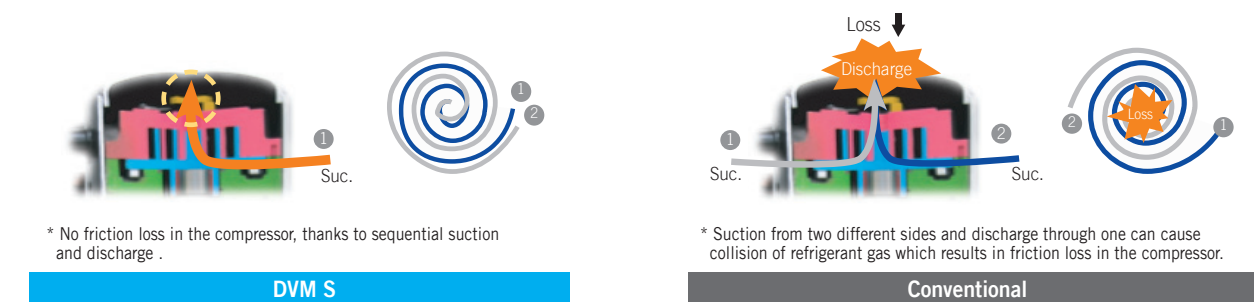
• Adaptive Sine Wave Control

Adaptive Sine Wave Control can reduce THP (Total Harmonic Distortion).



• Assymetric Scroll Design

With an improved fluid dynamic design, DVM S minimizes compression loss during the compression of .



SMART MANAGEMENT

• Auto Commissioning & Management

DVM S has a smart management system that facilitates self-diagnosis, auto commissioning, auto management and mobile data transmission. Management is easy and convenient with the ability to control the system with your smart phone or tablet PC.



• Reduced Commissioning Time

With S-Checker, the commissioning time for DVM S has shortened considerably from days to a mere 50 minutes, and the test results are automatically stored and reported wirelessly.



• WiFi Monitoring System

With S-Checker, DVM S can be monitored by computers and handheld devices. Also collects the serial numbers of all indoor units automatically.



• Self-Diagnosis Mode

DVM S monitors the operation status and displays an error code in response to any sign of abnormal operation, making it easier to solve any problems with the system.



• Automatic Data Backup

If a malfunction occurs with the DVM S outdoor unit, the last 30 minutes of operation data are stored for stored with automatic data backup.



• Easy Access

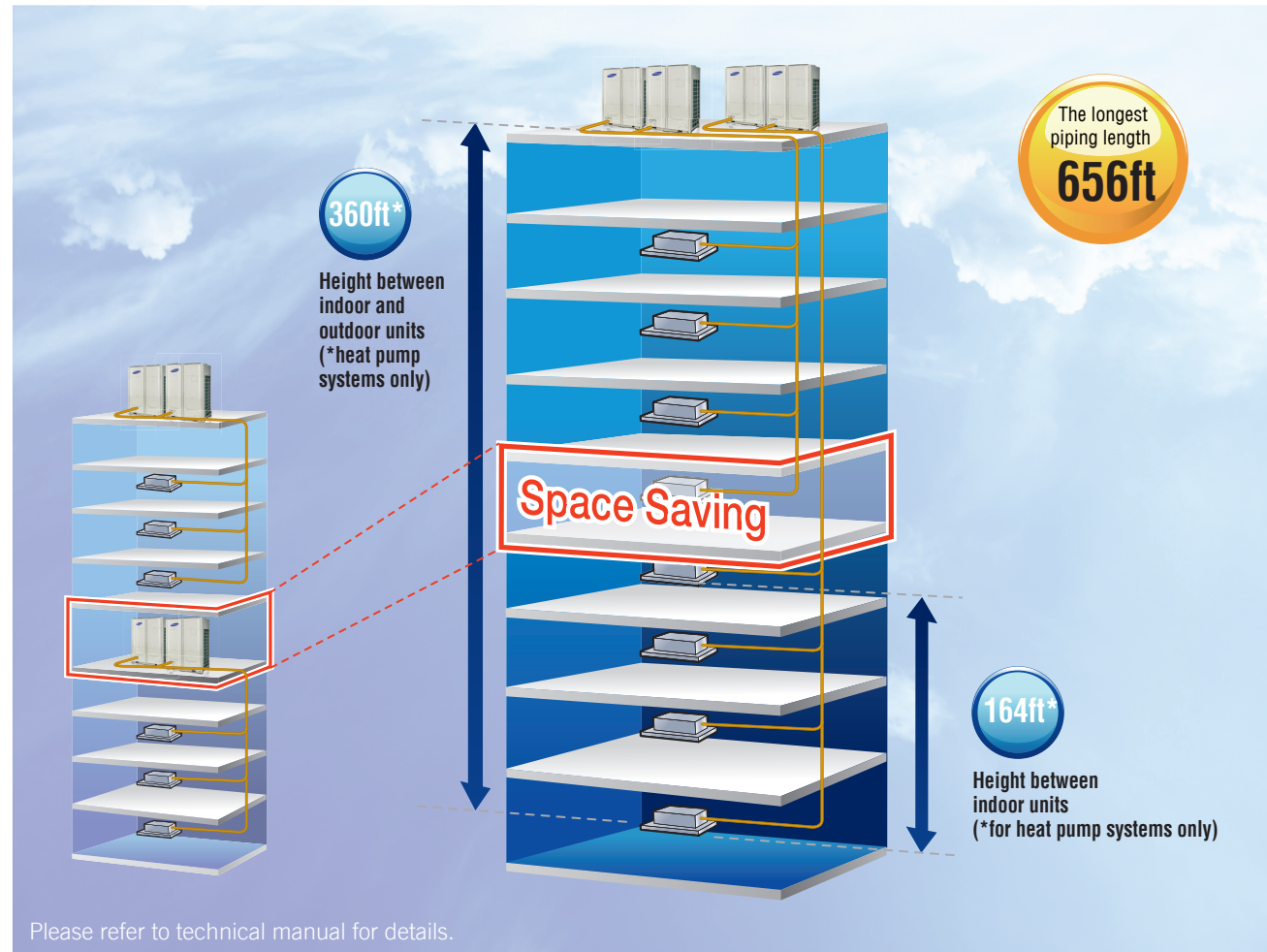
With the small opening on the front side of the outdoor unit, checking the status of it and setting options is simple.



FLEXIBLE INSTALLATION

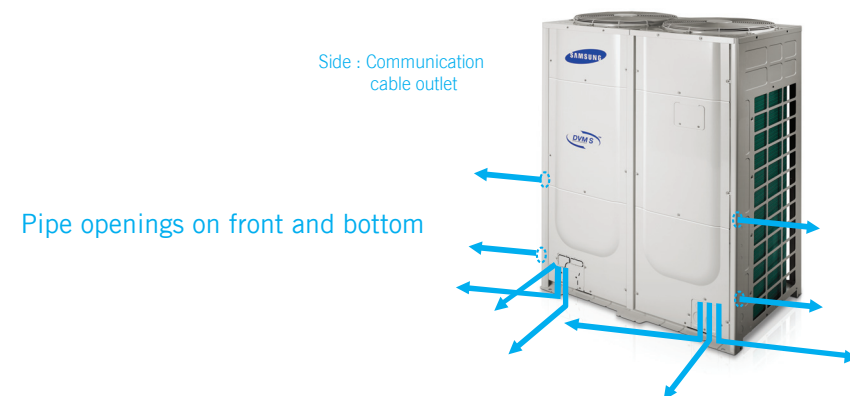
• Longest Piping Length & Highest Elevation

DVM S allows an extended piping length of up to 721ft and units will still perform great over wide areas. With this technology, installation is available with a maximum height level of 360ft, which is equivalent to 20 stories (where each story is considered to be 16.4ft in height).



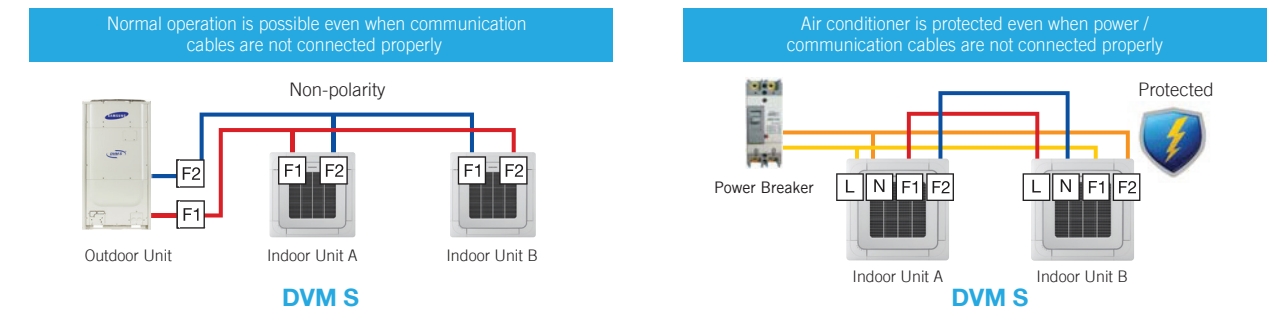
• Versatile Piping Connection with Various Knock-Out Holes

The knock-out holes for piping, power and communication cables are located in a variety of different areas of the condensing unit, allowing for simpler installation of DVM S where the piping and cable direction can be selected from the front, left and right side.



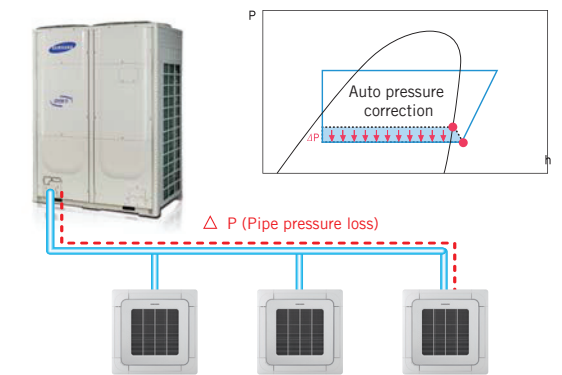
• Easy and Safe Wiring

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



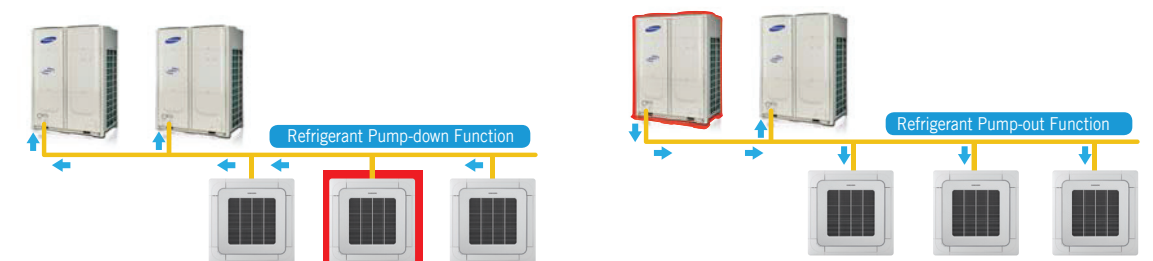
• Optimized Refrigerant Distribution Control

Since the piping distance is far between the outdoor units and indoor units, the individual indoor units perform capacity connection control and automatic refrigerant balancing to secure balanced performance between the units.



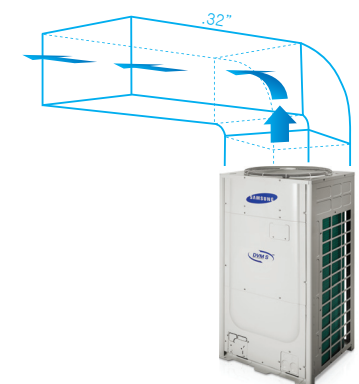
• Refrigerant Pump-Down & Pump-Out

DVM S provides the refrigerant pump-down/out functions to facilitate easy and convenient replacement of the product, as well as additional installations and maintenance. When the outdoor unit needs maintenance, it is possible for the refrigerant to recover into indoor units and pipes. It is also possible to recover refrigerant into outdoor units when moving indoor units or performing maintenance of pipes.



• High External Static Pressure

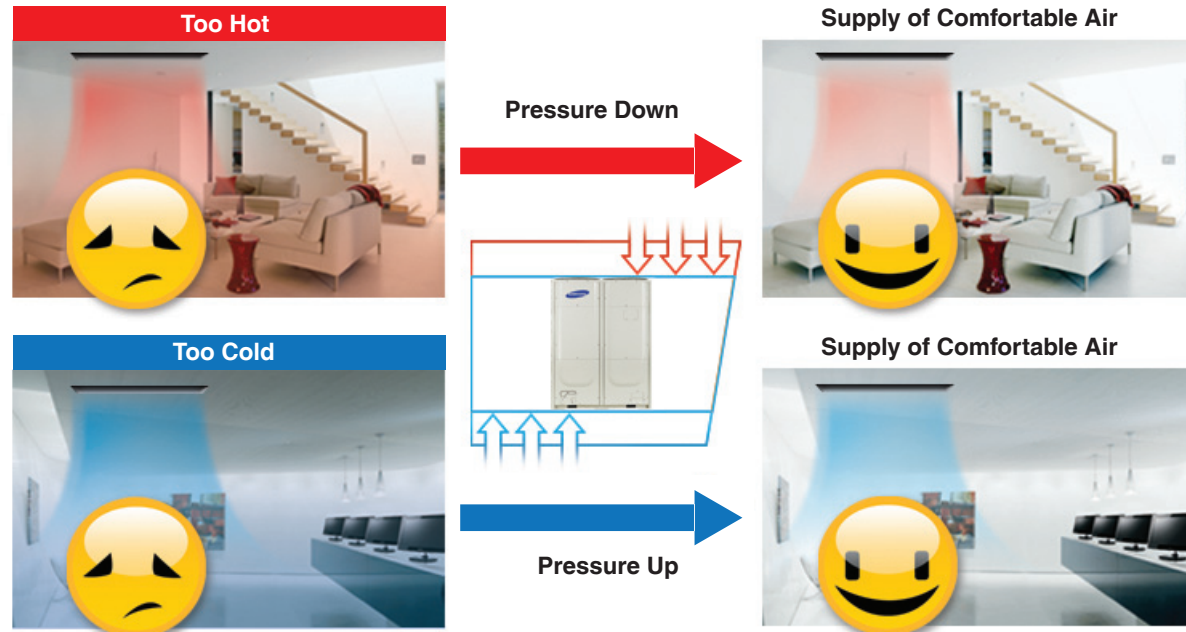
To properly deal with unexpected and varying installation conditions, DVM S is designed to manage high external static pressures up to .32".



COMFORTABLE & RELIABLE OPERATION

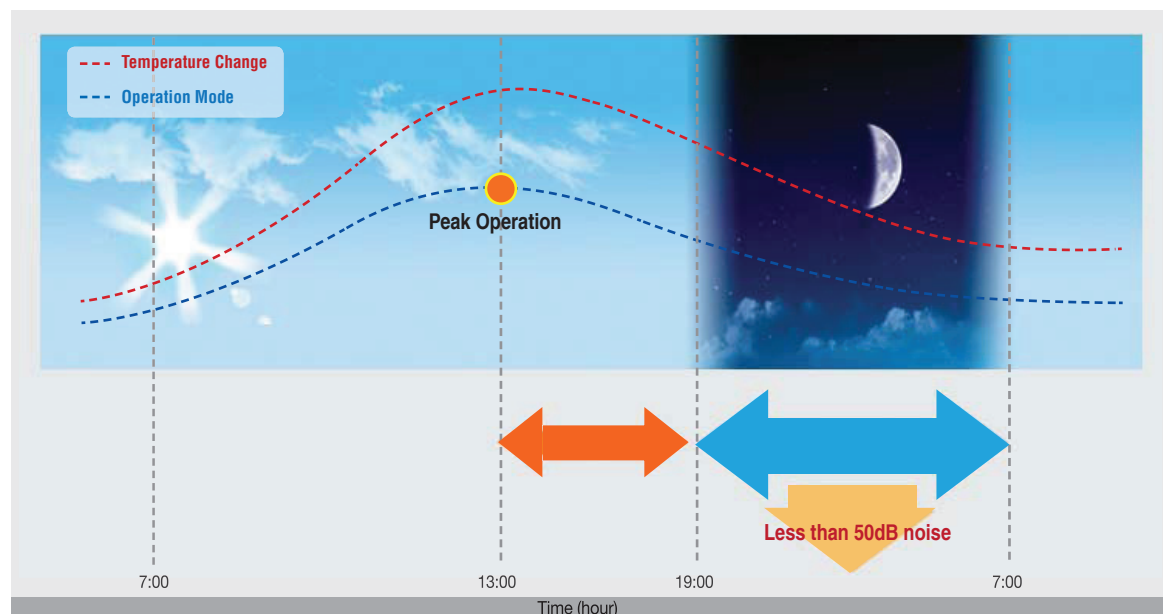
• Indoor Discharge Temperature Control

Without changing the outdoor unit's settings, each duct unit has a discharge-air temperature control function. This offers greater comfort in either cooling or heating mode (cooling operation: ~61°F / heating operation: ~97°F).



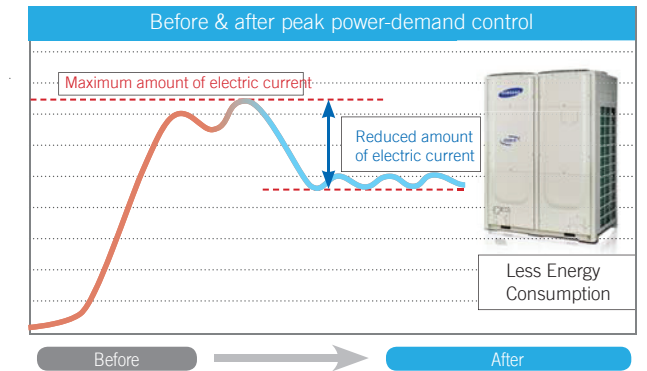
• Quiet Operation for Night Time

DVM S has applied an operation control system to the outdoor fans and compressor(s) that drastically reduces noise level. The Quiet Operation feature lasts 12 hours, allowing you to rest in peace during the night.



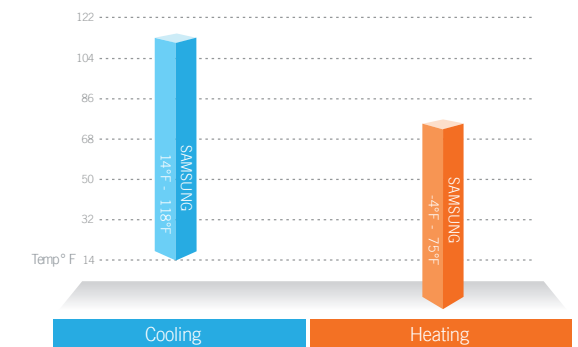
• Peak Power-Demand Control

DVM S can control peak current and power consumption. This is especially useful when the supply of electricity is insufficient or when you want to block excessive energy use.



• Wide Operating Temperatures

When you use DVM S, there's no need to worry about using an additional unit for severe temperatures. It has a wider temperature allowance, meaning you can cool in the burning heat of 118°F or provide heat in the freezing cold of -4°F.



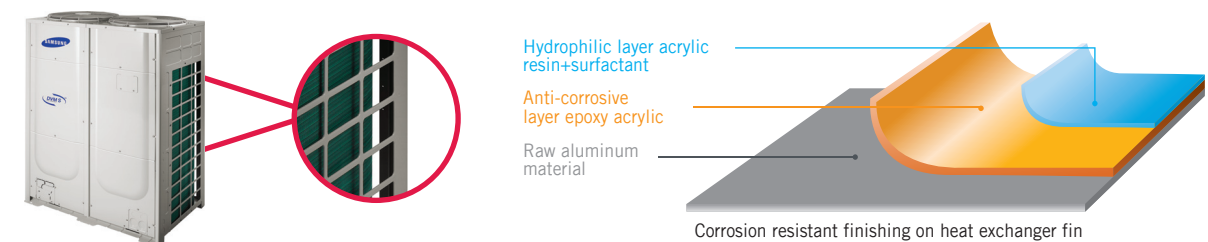
• Auto Snow Blowing Function

Snow that accumulates and covers the outdoor units during the winter must be removed in order for the units to operate properly. The Snow Prevention function removes accumulated snow, so you don't have to do it yourself. Outdoor units will blow away covered snow every 30 minutes.



• Corrosion and Frost Resistance

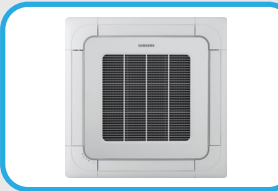
The hydrophilic coating facilitates efficient heat exchange and delays the onset of frost formation to provide consistent heating performance. An anti-corrosive coating also helps our units resist corrosion from the elements.



HEAT RECOVERY


• Simultaneous Cooling & Heating

Single outdoor units can operate all the indoor units in both cooling and heating mode. They can also simultaneously operate in cooling and heating mode.



Cooling


Cooling operation for indoor environments where cooling load occurs all year round due to devices and lighting that generate heat.



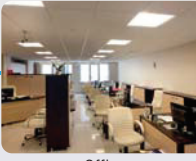
Heating

Heating operation for indoor environments where heating load occurs due to the outdoor environment.


Recommended Sites



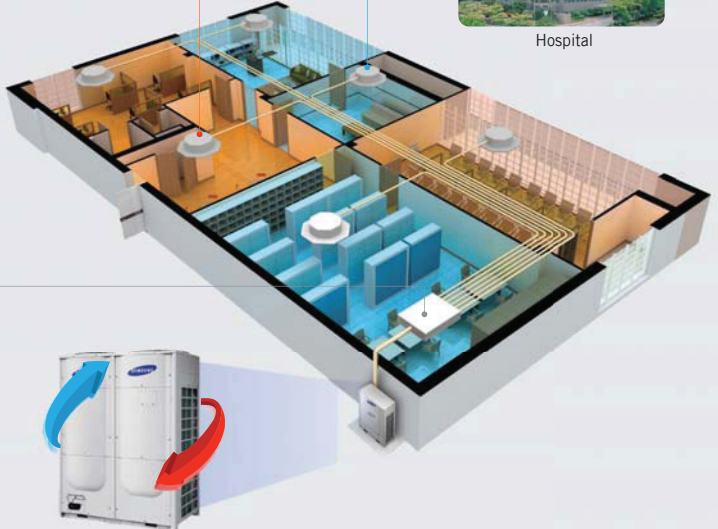
Hotel




Office




Hospital



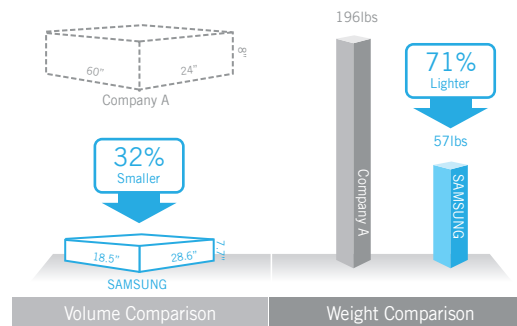


MCU Kit

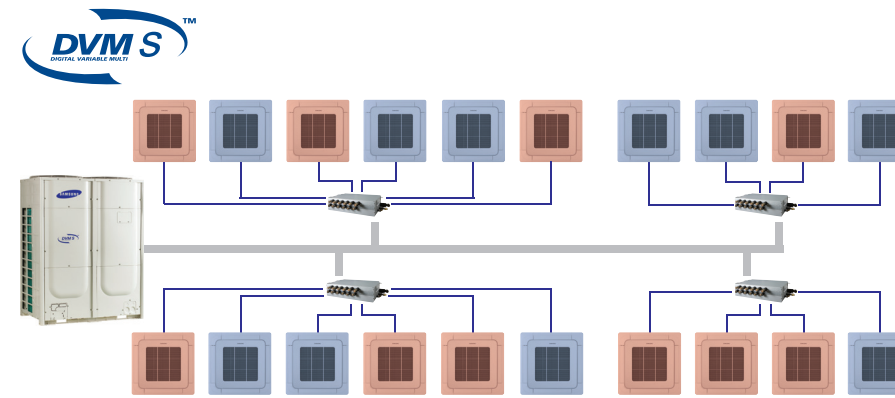


• Mode Change Unit (MCU) Kit

DVM S Heat Recovery systems use an MCU (mode change unit) that is 32% the size of its competitor. Each MCU has several ON/OFF solenoid valves that enables heating and cooling to the connected indoor units based on their demanded operation mode. In addition it also has independent sub-coolers for each indoor unit with metering done by electronic expansion valve to reduce refrigerant sounds and to increase delivered capacity at long pipe lengths.

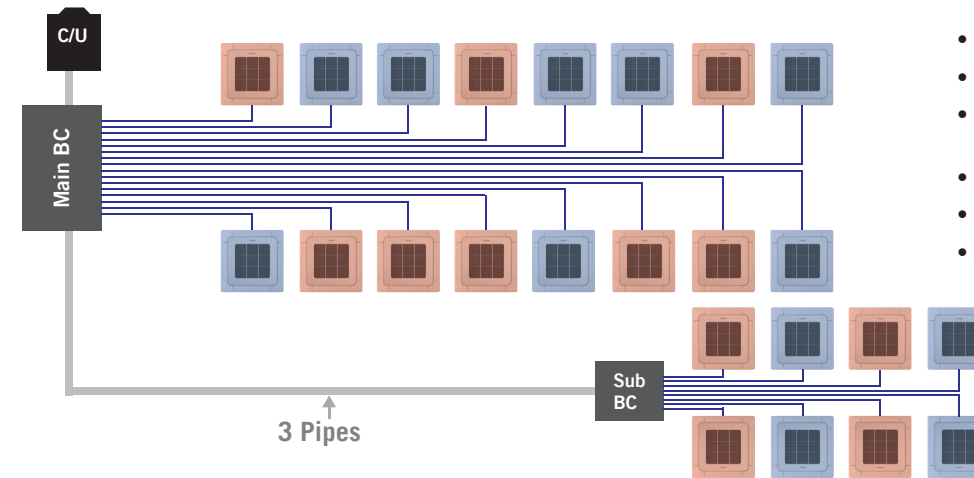


• Heat Recovery Installation Comparison



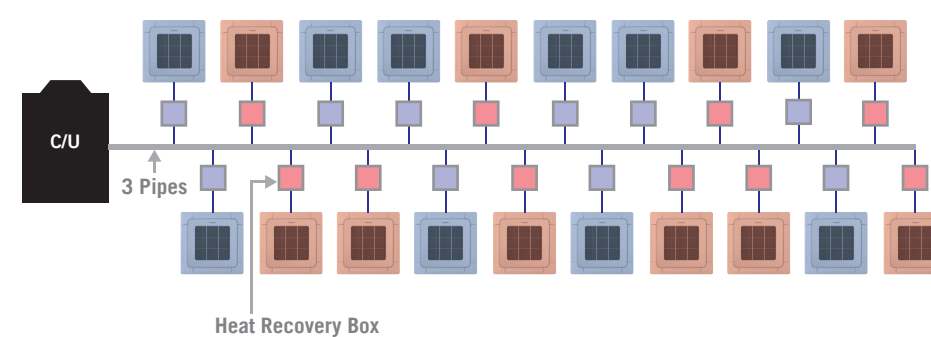
- Totally independent indoor unit heating and cooling operation (simultaneous heating and cooling)
- Better heating performance than 2 pipe heat recovery systems at low ambient temperatures (liquid / gas mixture type)
- Less refrigerant pipe backtracking
- Flexible installation with 4 and 6 port MCU options (can connect 1 – 6 indoor units to MCU's)
- Highest simultaneous heat and cool efficiency
- Lower installation and running energy cost

Company A



- Independent heat / cool
- Larger pipe diameter pipe from CU to main BC
- More pipe backtracking (uses more linear feet of copper)
- May need separate machine room for Main BC
- Not as flexible for multiple floor installation
- Smaller system size (28 Ton)

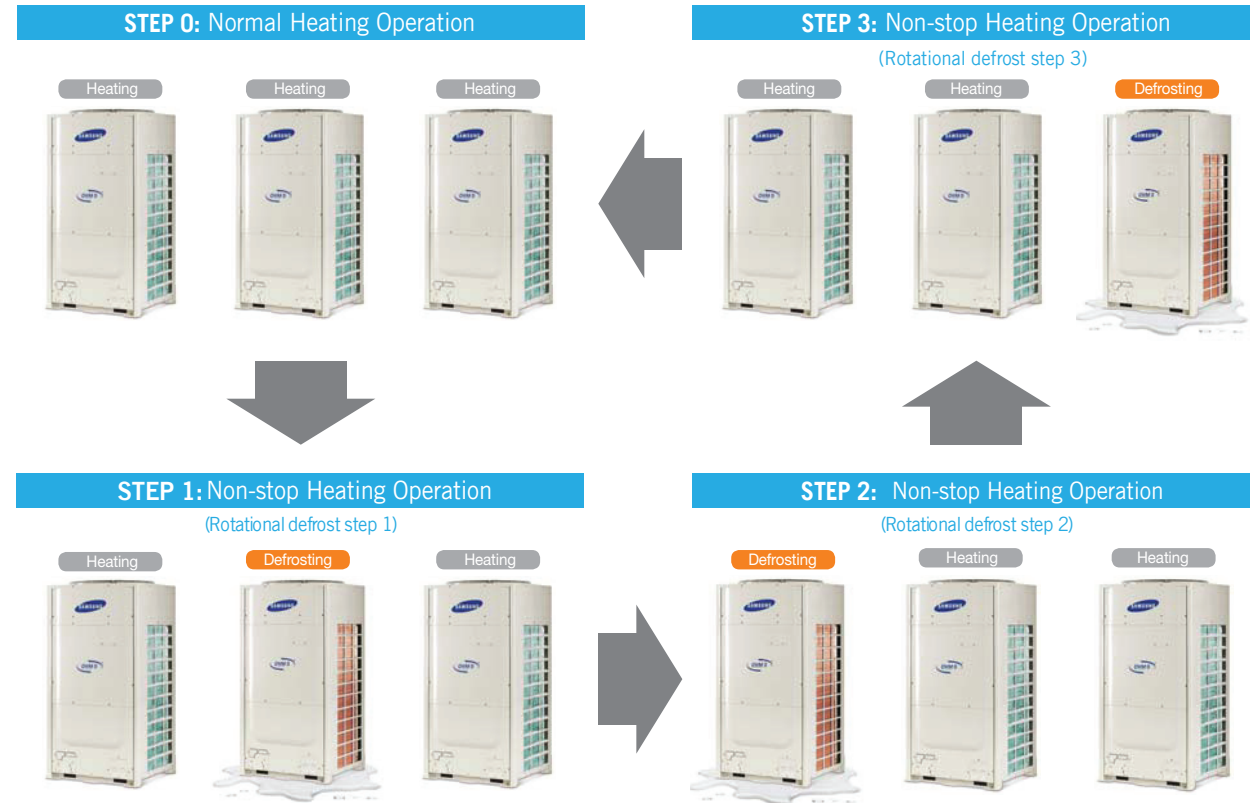
Company B



- Every indoor unit requires its own heat recovery box
- Requires more pipe connections (more labor, materials, etc.)
- Requires more refrigerant fittings to connect all of the heat recovery boxes
- Longer installation time
- Smaller system size (24 Ton)

• **Non-Stop Heating Operation During Defrost (HR)**

DVM S can continuously operate in heating mode with rotational defrost operation. Stay warm and comfortable as the heating mode continues for a longer period of time.



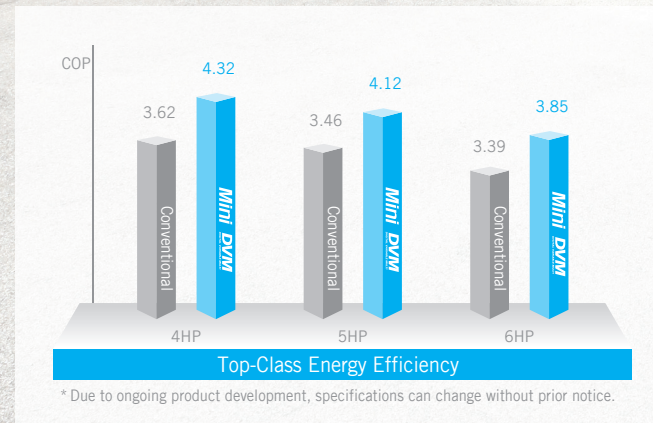
DVM-S ECO

DIGITAL VARIABLE MULTI

The single phase DVM S ECO outdoor unit can support up to 9 indoor units, and is an ideal solution for residential and semi-commercial spaces.

- Top-Class Energy Efficiency
- Small Footprint and Volume
- Flexible Piping Design
- Low Noise Level

A Variety of Indoor Units



DVM S ECO

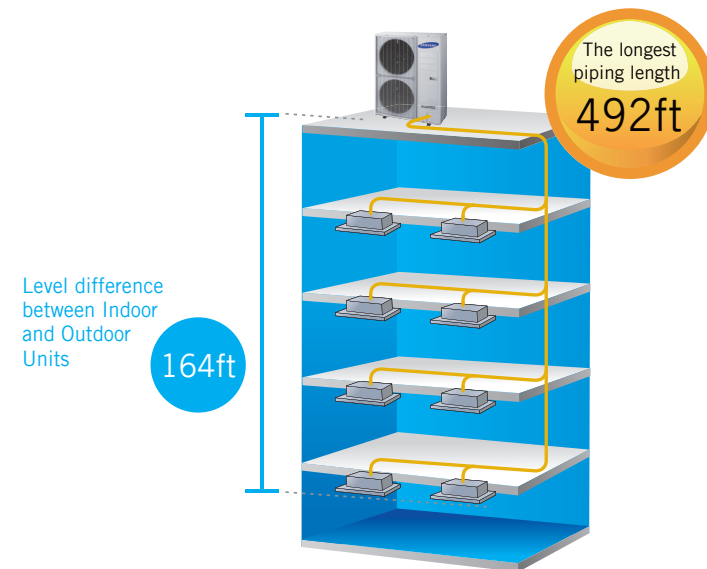
• Small Footprint and Volume

The footprint of the DVM S ECO outdoor unit has been decreased by 11% and the volume has been decreased by 5%.



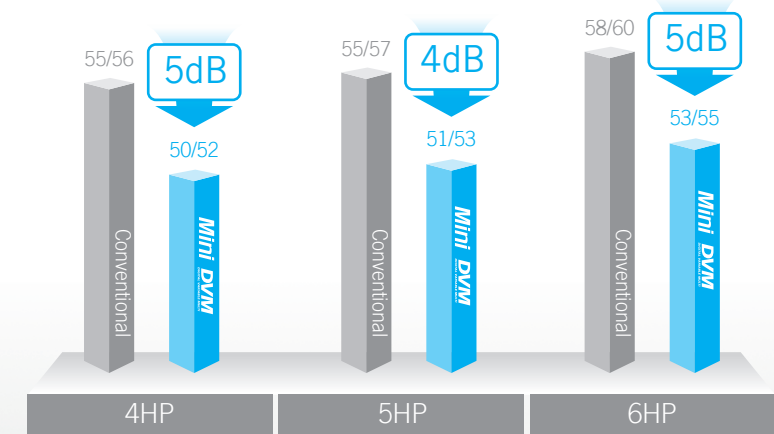
• Flexible Piping Design

DVM S ECO's piping length goes up to 492ft, and a maximum level difference of 164ft. With such long distances, a variety of different system designs can be achieved.



• Low Noise Level

DVM S ECO is quieter compared to our conventional models.



INDOOR UNITS

INDOOR UNITS

INDOOR UNITS

CASSETTE TYPE

Samsung's cassette type indoor units give the finishing touch to your interior design. We also use the most advanced technologies to offer optimized comfort and pleasure.

DUCT TYPE

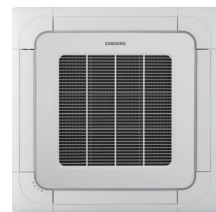
Duct type indoor units visually blend well into ceilings, enhancing the beauty of your interior space with their compact and slim size while giving you flexible installation options.

WALL MOUNTED

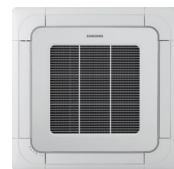
With their stylish and sophisticated designs, Samsung wall mounted type air conditioners offer cool, clean, and healthy freshness enhancing your everyday life.

CEILING/FLOOR MOUNT

Samsung's ceiling/floor type installs on the ceiling (non-recessed) and low-wall installation near the floor for a more efficient and convenient installation. No modification is needed with this multi-position unit.



4 WAY CEILING CASSETTE



MINI 4 WAY CEILING CASSETTE



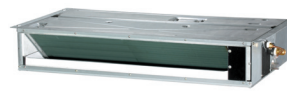
1 WAY CEILING CASSETTE



HIGH STATIC PRESSURE (HSP) DUCT



MEDIUM STATIC PRESSURE (MSP) DUCT



SLIM DUCT



NEO FORTE

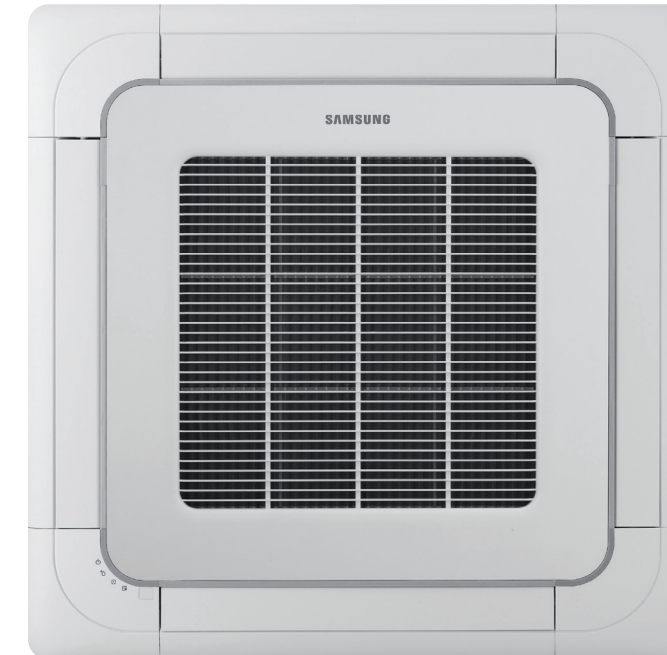


CEILING / FLOOR MOUNT

4 WAY CASSETTE

With its newly improved design, the 4 Way Cassette brings sophistication and provides clean air while adding a sense of class to your interior. Not only is this unit attractively designed, it also uses advanced technologies to optimize your comfort in any environment. Feel the power and enjoy the beauty with the new 4 Way Cassette.

Available Capacities:
9,500 / 18,000 / 24,000 / 30,000 / 36,000 / 48,000 BTU

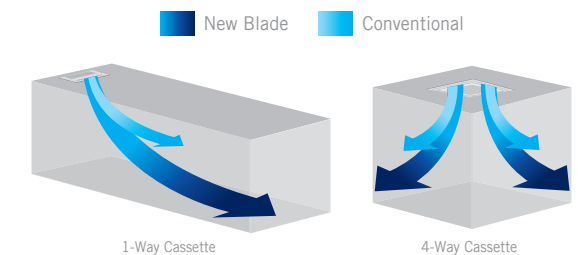


PRODUCT FEATURES

• Powerful Airflow



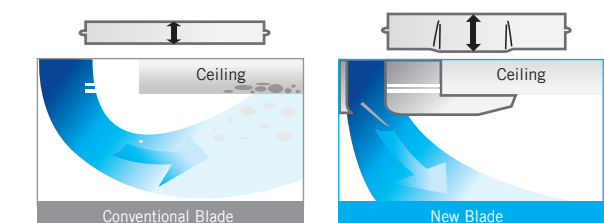
Wide blades in the indoor unit deliver cool or warm air at greater distances to provide even cooling and heating throughout the room.



• Ceiling Dust Prevention



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





4 WAY CASSETTE FEATURES CONTINUED . . .

4 WAY CASSETTE . . .

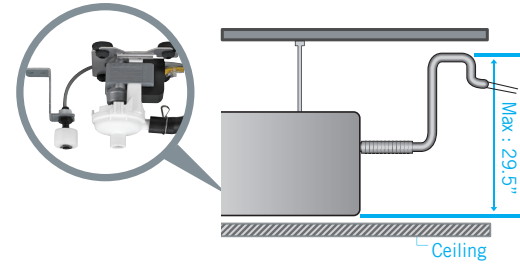
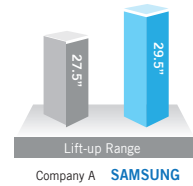
INDOOR UNITS

INDOOR UNITS

• **High-Lift Up Drain Pump**



The lift-up drain pump lifts condensed water up to 29.5" compared to our competitor's limit of 27.5", making installation more flexible and convenient.



• **Fresh Air Intake**



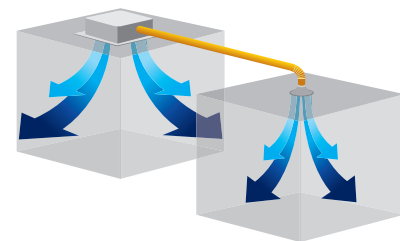
Fresh air can enter through the cassette unit so you can enjoy even fresher air in your room.



• **Sub Duct**

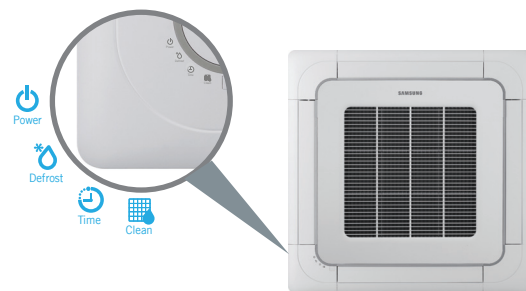


Sub Duct enables you to use the same air conditioner unit to cool an additional smaller space nearby. (A cassette unit is fitted with a knockout component to accommodate this).



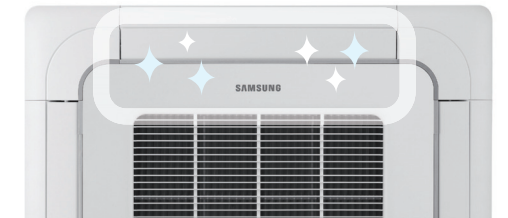
• **Simple Display**

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



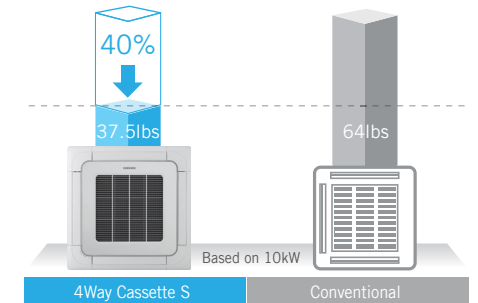
• **Neat and Clean Design**

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



• **Light Yet Robust Design**

Samsung's 4 Way Cassette indoor unit is now lighter in weight at 37.5lbs. It is the lightest of its type in the industry, about 35% lighter than our competitor's 4-way cassette.



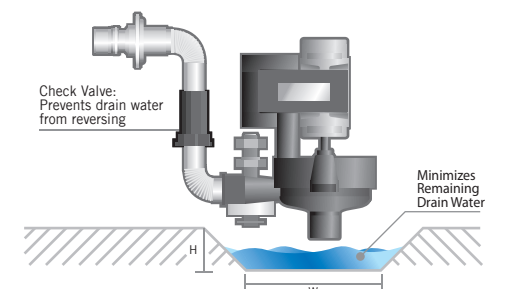
• **Individual Blade Control**

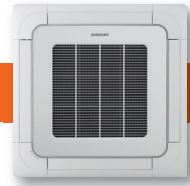
By using the remote controller, the opening angles of the 4 blades can be individually set at the same or different angles within a 32°- 65° range for more efficient cooling.



• **No Overflowing Drain Water**

The check valve on the drain pump prevents drained water from flowing backward into the drain pan. This minimizes the the drain pan's water level so that you will never have to worry about water stagnation or overflowing drain water that could drip into your interior.





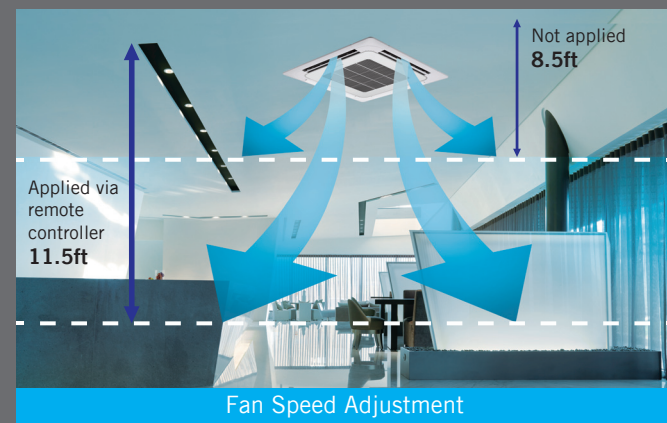
4 WAY CASSETTE FEATURES CONTINUED . . .

4 WAY CASSETTE . . .

INDOOR UNITS

• Fan Speed Adjustment for High Ceiling

The optimum fan speed for high ceiling can be achieved just by using the remote controller without adjusting the DIP switch on the indoor unit's PCB. The fan speed adjustment function provides evenly cool and warm air throughout spaces with high ceiling of up to 11.5ft.



High Ceiling Mode

The high ceiling mode allows indoor units to provide even more powerful airflow throughout your space. This mode enlarges the coverage area of the airflow up to a height of 15ft.



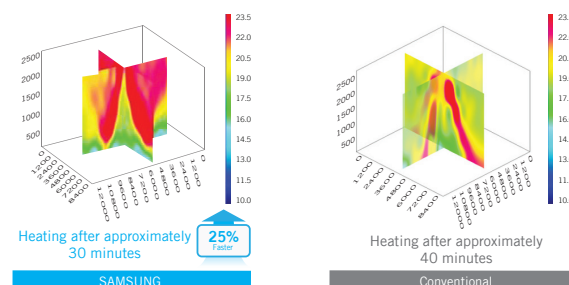
• Easy Blade Cleaning

Samsung's 4 Way Cassette indoor units have detachable air flow blades so you don't need to remove the entire panel to clean the blades.



• Quick Cooling & Heating

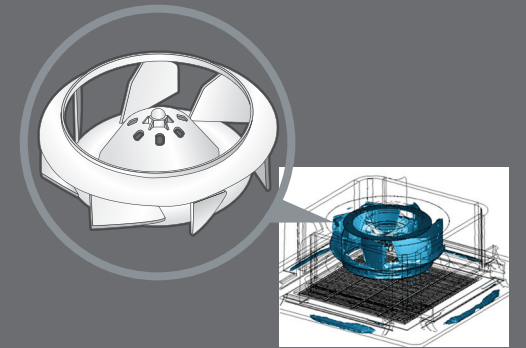
Samsung's 4 Way Cassette indoor unit achieves the desired set temperature much faster than our competitor's products.



• Turbo Fan

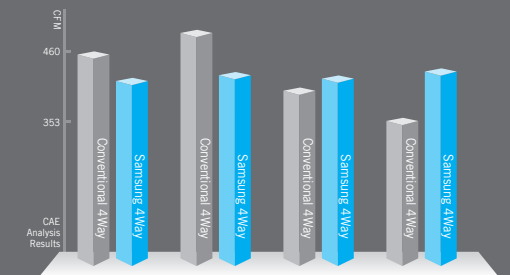
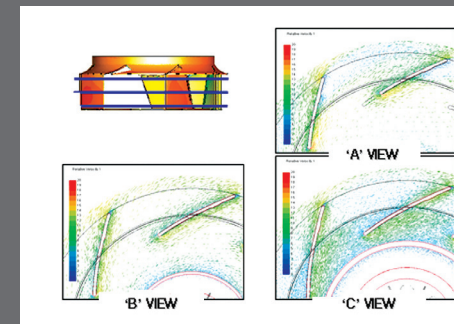
1. Silent Operation

Imagine a room of cool calmness. The aerodynamically designed Turbo Fan minimizes noise from the turbulence of the blade movement, meaning our units make less noise than conventional models.



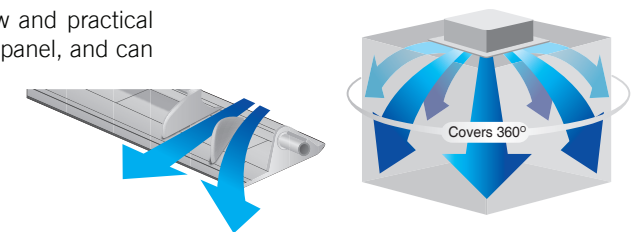
2. Uniform Distribution

The Turbo Fan with wide blades provides extreme cooling and heating power from 4 separate outlets so the entire room cools down or warms up faster. This unit can extend comfort to every nook and cranny of the room.



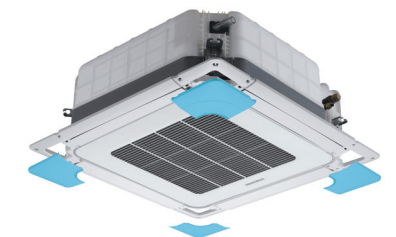
• Surround Air Flow

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



• Easy Leveling

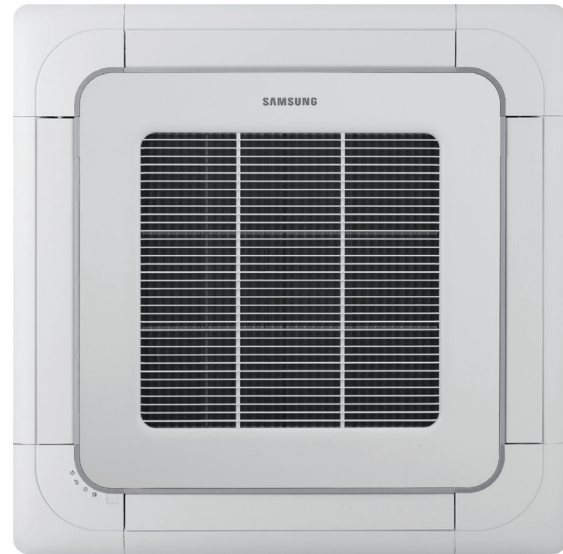
Each corner portion of the panel is detachable: this makes it easier for you to adjust the height, and makes installation and leveling much simpler and quicker.



INDOOR UNITS

MINI 4 WAY CASSETTE

Available Capacities:
9,500 / 12,000 / 18,000 / 20,000 BTU



INDOOR UNITS

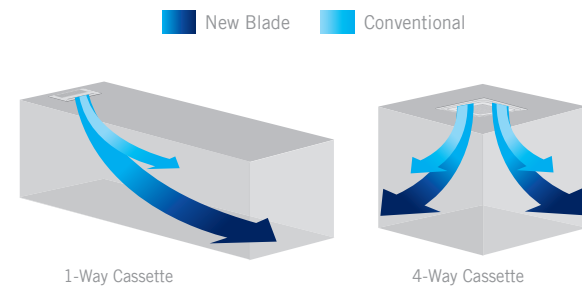
INDOOR UNITS

PRODUCT FEATURES

• Powerful Airflow



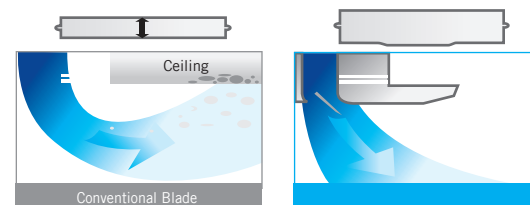
Wide blades in the indoor unit deliver cool or warm air at greater distances to provide even cooling and heating throughout the room.



• Ceiling Dust Prevention



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

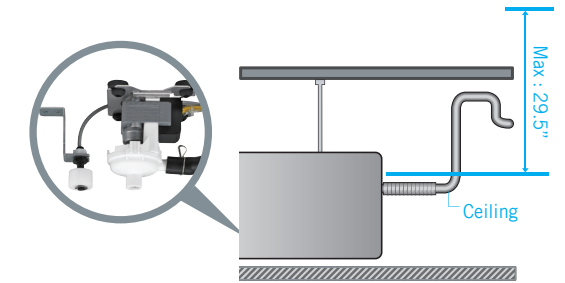
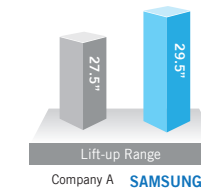


➤ MINI 4 WAY CASSETTE . . .

• High-Lift Up Drain Pump



The lift-up drain pump lifts condensed water up to 29.5" compared to our competitor's limit of 27.5", making installation more flexible and convenient.



• Fresh Air Intake

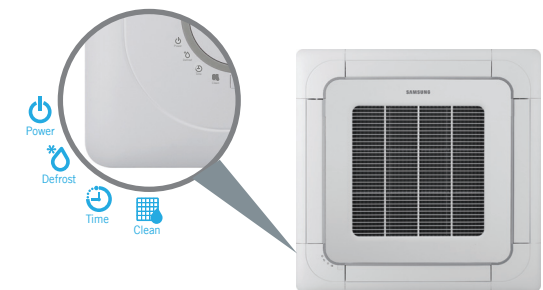


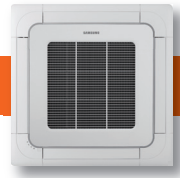
Fresh air can enter through the cassette unit so you can enjoy even fresher air in your room.



• Simple Display

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





MINI 4 WAY CASSETTE FEATURES CONTINUED . . .

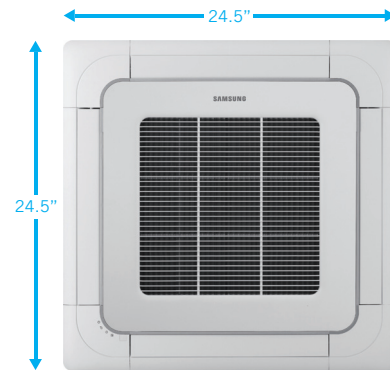
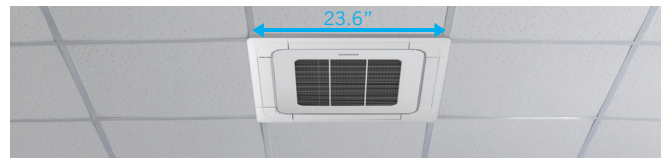
MINI 4 WAY CASSETTE . . .

INDOOR UNITS

INDOOR UNITS

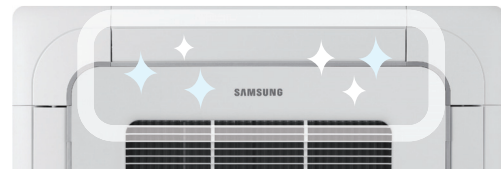
Ideal Compact Size

The Mini 4 Way Cassette can be installed on one standard ceiling tile (23.6" x 23.6"), making installation more convenient.



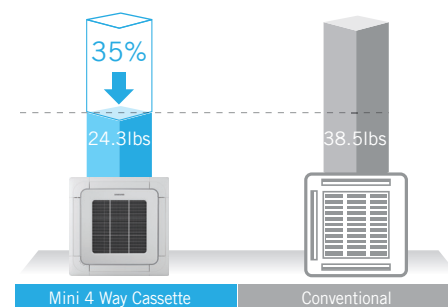
Neat and Clean Design

The Mini 4 Way Cassette uses a new, neat and clean design. The completely hermetic blade structure keeps the indoor unit clean preventing dust or other foreign substances from entering the unit. The internal parts of the indoor unit are also out of sight when the blade is shut, improving the unit's appearance.



Compact and Light Unit

Not only is the Mini 4 Way Cassette compact enough to be installed on one standard ceiling tile, it's also lighter than a conventional mini 4 way cassette (38.5lbs) by about 35% (24.3lbs).



Motion Detector Sensor

The world's first motion detector sensor for Samsung's Mini 4 Way Cassette creates the ideal environment, saving energy by providing the optimized amount of airflow when needed.

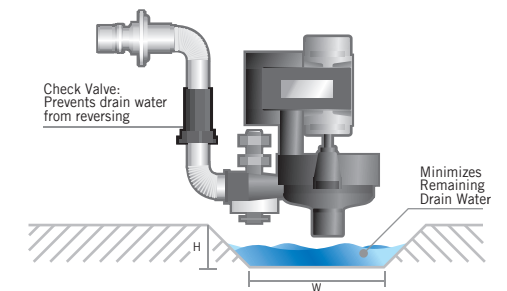
Energy Saving On/Off Function

The Motion Detector Sensor detects when the user is absent, automatically stopping the air conditioning. It also automatically sets operation patterns to maximize energy efficiency.



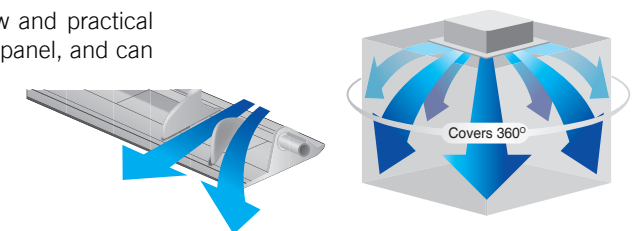
No Overflowing Drain Water

The check valve on the drain pump prevents drained water from flowing backward into the drain pan. This minimizes the the drain pan's water level so that you will never have to worry about water stagnation or overflowing drain water that could drip into your interior.



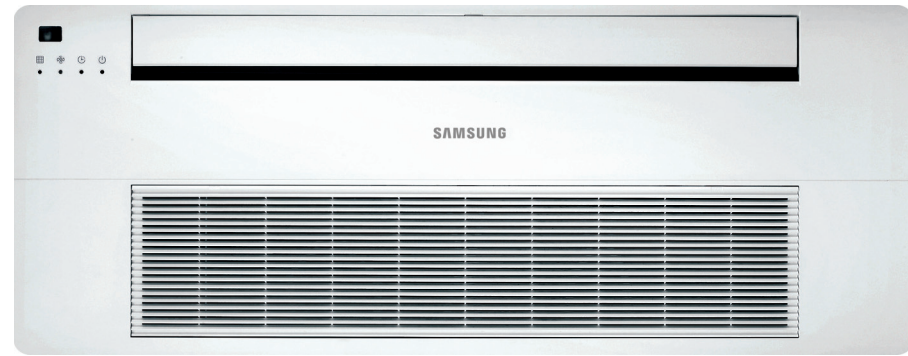
Surround Air Flow

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



1 WAY CASSETTE

Available Capacities:
7,500 / 9,500 / 12,000 BTU



INDOOR UNITS

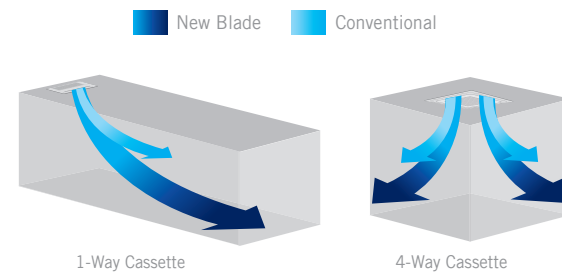
INDOOR UNITS

PRODUCT FEATURES

• Powerful Airflow



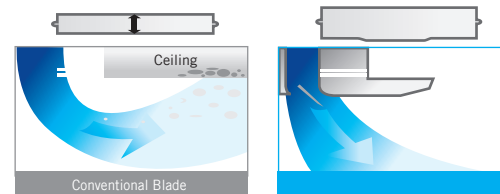
Wide blades in the indoor unit deliver cool or warm air at greater distances to provide even cooling and heating throughout the room.



• Ceiling Dust Prevention



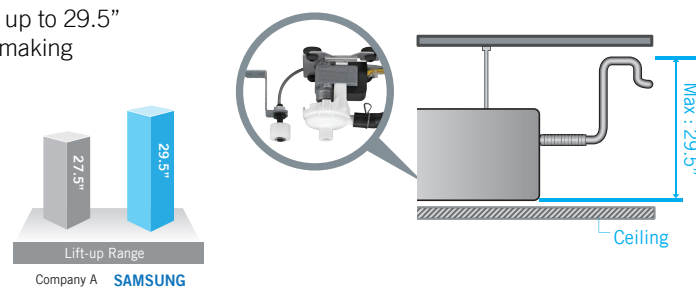
The newly designed panel will control air direction in a way to avoid contact with the ceiling. This new design will prevent dust from accumulating on the ceiling after long periods of operation, keeping your interior space cleaner than ever.



• High-Lift Up Drain Pump



The lift-up drain pump lifts condensed water up to 29.5" compared to our competitor's limit of 27.5", making installation more flexible and convenient.



➤ 1 WAY CASSETTE . . .

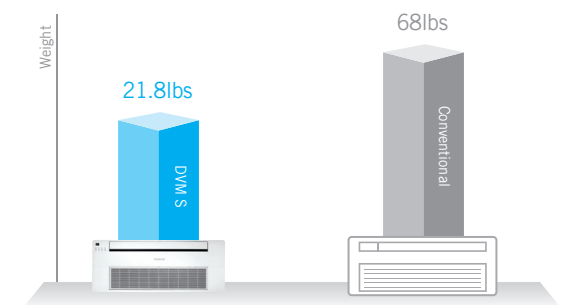
• Stylish and Aesthetic Panels

Samsung's Slim 1Way Cassette provides simple and refined designs. The clean lines and simple display designs make this a modern classic, which looks great with any interior.



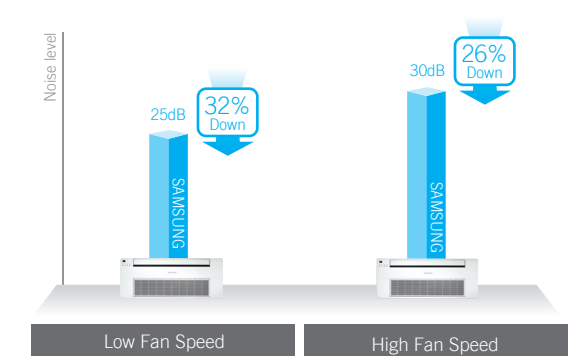
• Lighter Indoor Unit

Samsung is the first to apply ABS cabinets to its indoor units to provide the lightest units on the market. This slim and lightweight design makes installation and maintenance simple.



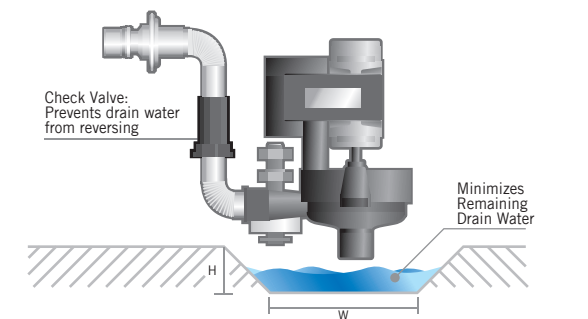
• Quiet Operation

Samsung new blade design drastically reduces noise levels so you can relax in peace and quiet.



• No Overflowing Drain Water

The check valve on the drain pump prevents drained water from flowing backward into the drain pan. This minimizes the the drain pan's water level so that you will never have to worry about water stagnation or overflowing drain water that could drip into your interior.



HSP DUCT

Available Capacities:
36,000 / 48,000 / 76,000 / 96,000 BTU



INDOOR UNITS

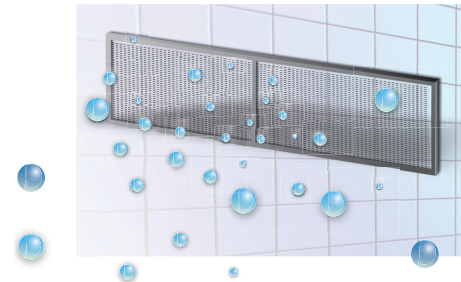
INDOOR UNITS

PRODUCT FEATURES

• Pre Filter



The HSP Duct's Pre Filter traps dust particles from the air.



• Easy Filter Cleaning

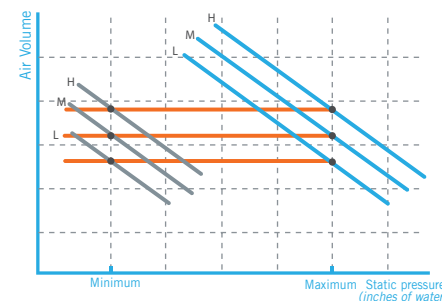


After 1,000 hours of operation, the filter clean indicator will notify you that the filter should be cleaned. 1,000 hours is the default set time, which can be adjusted to 2,000 hours on the internal PCB.

• Smart Pressure Control



The Smart Pressure Control System adjusts fan speed according to the external static pressure so the air conditioner always provides you with consistent cooling and heating power, regardless of the surrounding environment.



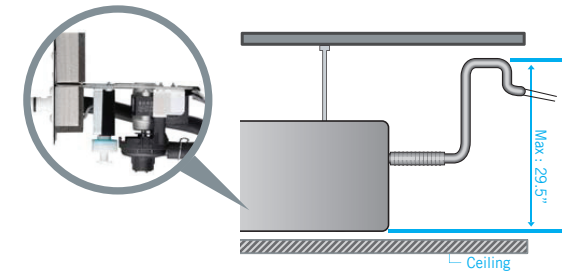
HSP DUCT . . .

• High Lift-Up Drain Pump* (Optional)



The lift-up drain pump lifts condensed water up to 29.5", compared to our competitor's limit of 27.5", making installation more flexible and convenient.

* The lift-up range of the drain pump for the 6 & 8 Ton HSP is limited to 18.5".



• Wired Remote Control

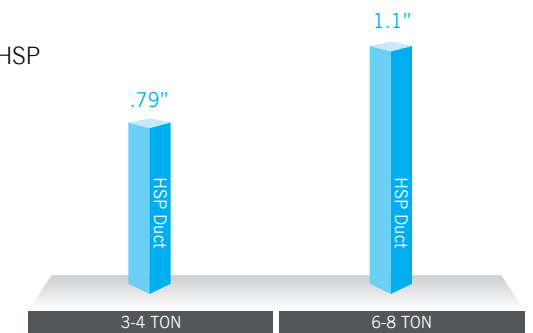


The HSP Ducted unit is controlled via a wired remote controller.



• High External Static Pressure

To properly deal with unexpected and various installation conditions, the HSP Duct is designed to manage high external static pressures up to .99".



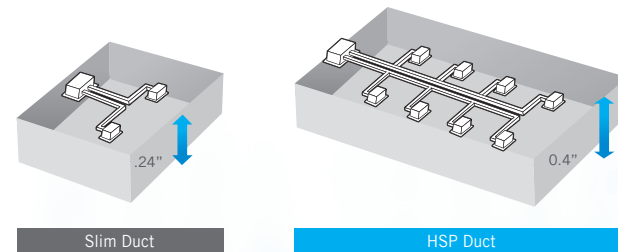


HSP DUCT FEATURES CONTINUED . . .

INDOOR UNITS

• **Large Coverage Area**

Samsung's HSP Duct features greater static pressure than most slim ducts: enabling you to design more inlets and outlets with longer duct work to provide even more cool or warm air to larger areas.



• **Quiet Operation with Static Pressure Control**

The external static pressure control makes it easy to design the duct work to ensure efficiency and silent operation.

MSP DUCT

Available Capacities:
18,000 / 24,000 / 30,000 / 36,000 / 48,000 BTU



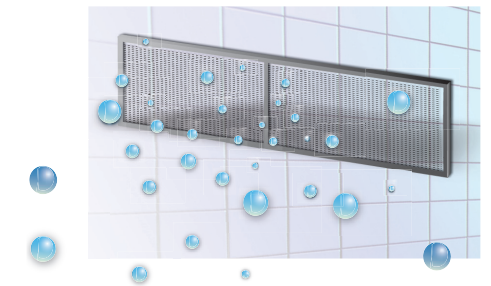
INDOOR UNITS

PRODUCT FEATURES

• **Pre Filter**



The HSP Duct's Pre Filter traps dusts particles from the air.



• **Easy Filter Cleaning**

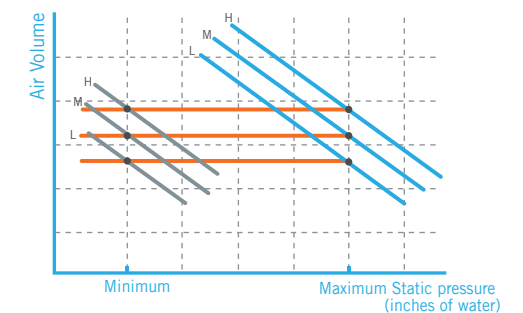


After 1,000 hours of operation, the filter clean indicator will notify you that the filter should be cleaned. 1,000 hours is the default set time, which can be adjusted to 2,000 hours on the internal PCB.

• **Smart Pressure Control**



The Smart Pressure Control System adjusts fan speed according to the external static pressure so the air conditioner always provides you with consistent cooling and heating power, regardless of the surrounding environment.





MSP DUCT FEATURES CONTINUED . . .

MSP DUCT . . .

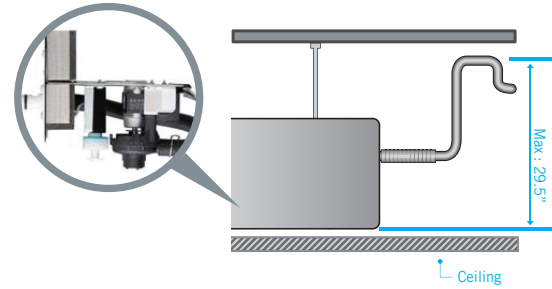
INDOOR UNITS

INDOOR UNITS

• **High Lift-Up Drain Pump (Optional)**



The lift-up drain pump lifts condensed water up to 29.5", compared to our competitor's limit of 27.5", making installation more flexible and convenient.



• **Wired Remote Control**

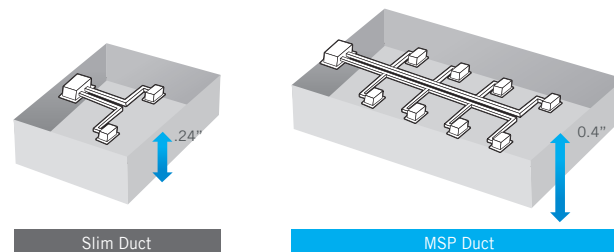


Samsung's MSP Duct is controlled via a wired remote controller.



• **Large Coverage Area**

Samsung's MSP Duct features greater static pressure than most slim ducts: enabling you to design more inlets and outlets with longer duct work to provide even more cool or warm air to larger areas.



• **Narrow Width***

The MSP Duct has a very narrow width of 35.43", making installation and maintenance more flexible, maximizing your convenience.



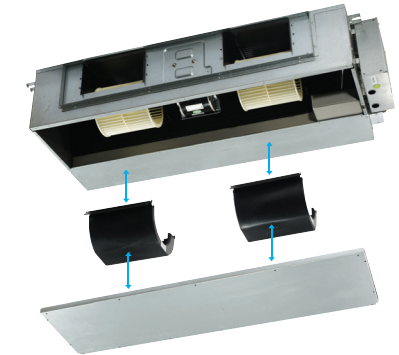
• **Quiet Operation with Static Pressure Control**

The external static pressure control makes it easy to design the duct work to ensure efficiency and silent operation.



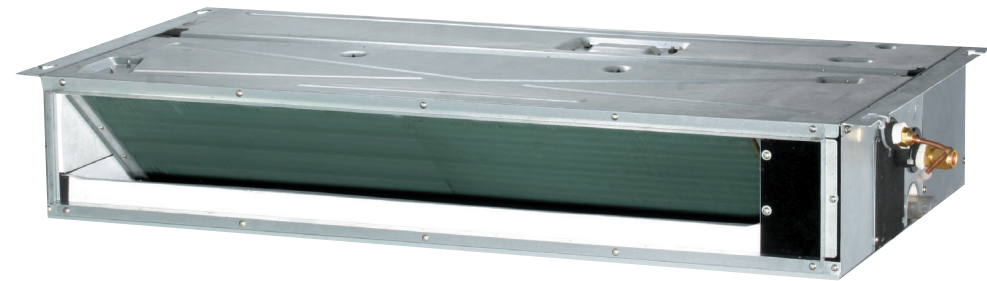
• **Simple Maintenance**

Parts are easily accessible, reducing the time for maintenance.



SLIM DUCT

Available Capacities:
7,500 / 9,500 / 12,000 / 18,000 / 24,000 / 30,000 / 36,000 / 48,000 BTU



INDOOR UNITS

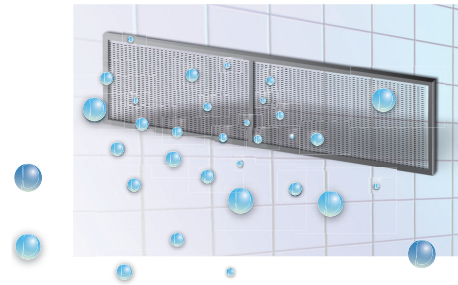
INDOOR UNITS

PRODUCT FEATURES

• Pre Filter



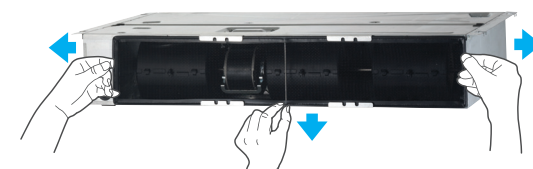
The Slim Duct's Pre Filter traps dust particles from the air.



• Easy Filter Cleaning



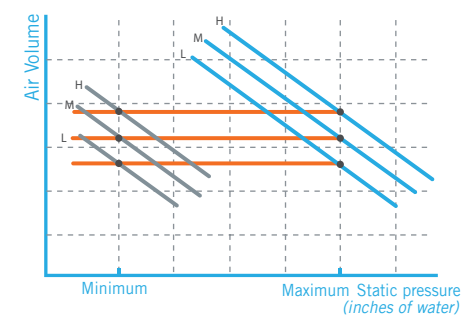
After 1,000 hours of operation, the filter clean indicator will notify you that the filter should be cleaned. 1,000 hours is the default set time, which can be adjusted to 2,000 hours on the internal PCB.



• Smart Pressure Control



The Smart Pressure Control System adjusts fan speed according to the external static pressure so the air conditioner always provides you with consistent cooling and heating power, regardless of the surrounding environment.

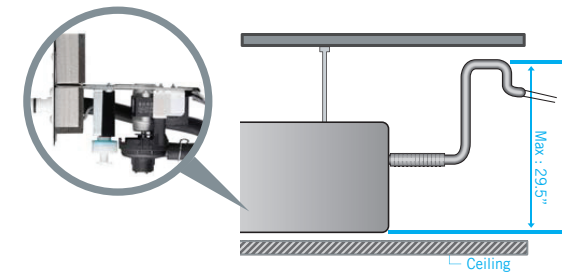


► SLIM DUCT . . .

• High Lift-Up Drain Pump (Optional)



The lift-up drain pump lifts condensed water up to 29.5", compared to our competitor's limit of 27.5", making installation more flexible and convenient.



• Wired Remote Control

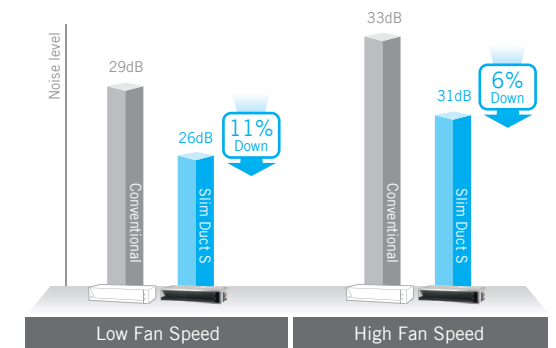


The Slim Duct is controlled via a wired remote controller.



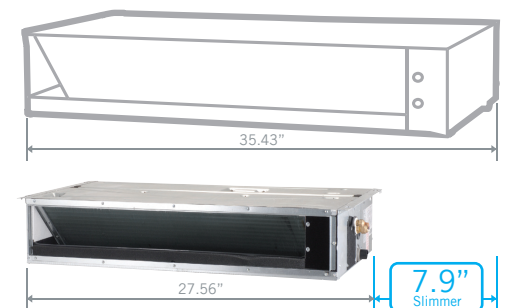
• Quiet Operation

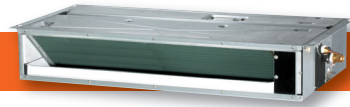
Samsung's Slim Duct operates at a remarkably low sound level, lower than the inside of a library, letting you enjoy comfort in a quiet and peaceful environment.



• Compact Size

The Slim Duct has a narrow width, which is 7.9" slimmer than conventional products: this enables flexible installation and maintenance in various spaces.



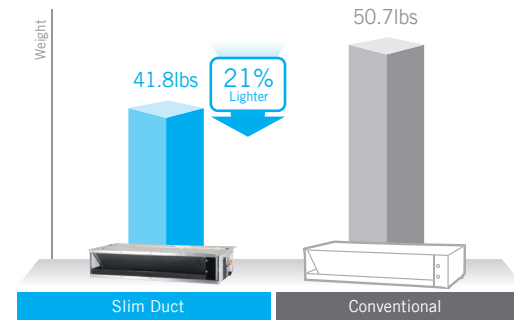


SLIM DUCT FEATURES CONTINUED . . .

INDOOR UNITS

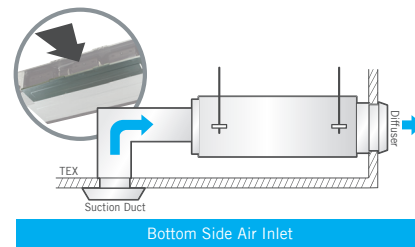
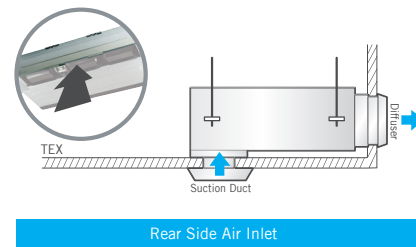
• **The Lightest Weight**

The Slim Duct is the lightest duct on the market, and is about 15% lighter than our competitor's products. This feature makes it favorably easy and convenient to install and maintain.



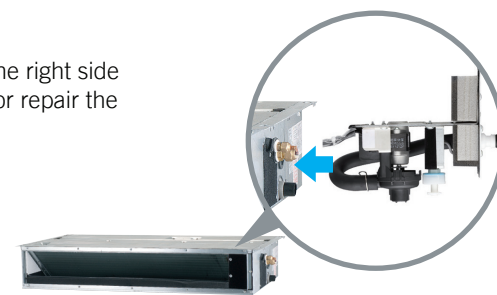
• **Flexible Installation**

The air inlet can be set up either on the bottom or rear of the unit, giving you more flexibility during installation.



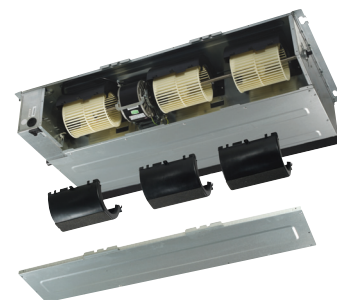
• **Easier Drain Pump Installation**

The new drain pump can be installed from the side by simply removing the right side panel. You no longer need to disassemble the top cover to install, check or repair the drain pump.



• **Easy to Maintain**

Parts can be accessed simply by opening the bottom panel, simplifying maintenance.



HIGH WALL

Available Capacities:
7,500 / 9,500 / 12,000 / 18,000 / 20,000 / 24,000 BTU



INDOOR UNITS

PRODUCT FEATURES

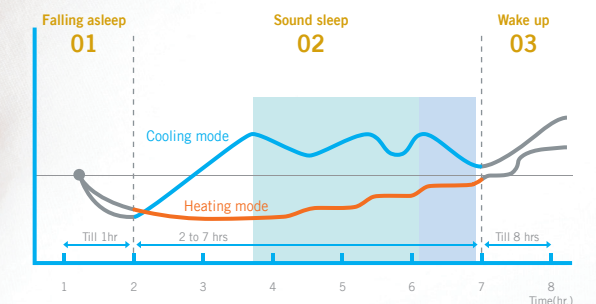
• **Good Sleep Mode**



Sleep with the air conditioner off, and it gets hot. Sleep with it on, and it gets too cold. With Samsung's Good Sleep Mode, you can stay comfortable because the room temperature automatically adjusts to your body temperature before, during and after you sleep.



Best Temperature for Deep Sleep



- Stage 01: Falling asleep**
Eases you into sleep by dropping the temperature.
- Stage 02: Sound asleep**
Relaxes your body and raises your temperature slightly.
- Stage 03: Wake up**
You wake up to intermittent comfortable air, making you feel refreshed and rested.

CEILING / FLOOR

➤ CEILING / FLOOR MOUNT . . .

Available Capacities:
18,000 / 24,000 BTU



INDOOR UNITS

INDOOR UNITS

PRODUCT FEATURES

• **Pre Filter**



The Pre Filter helps you stay comfortable by trapping dust particles from the air.



• **Interior Design**



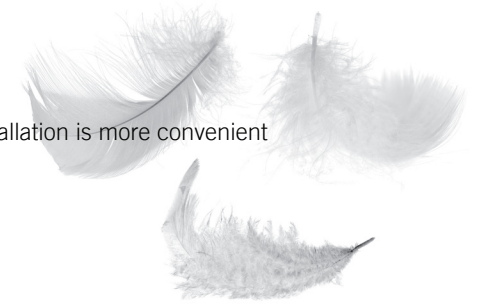
Mounted either on the floor or ceiling, the Ceiling/Floor Mount unit blends well with any interior, enhancing the decor and adding to the overall ambiance of the room.



• **Lightweight**



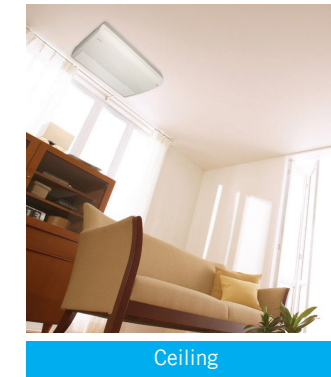
Because Samsung's Ceiling/Floor Mount unit is light in weight, installation is more convenient



• **Flexible 2-Way Installation**



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



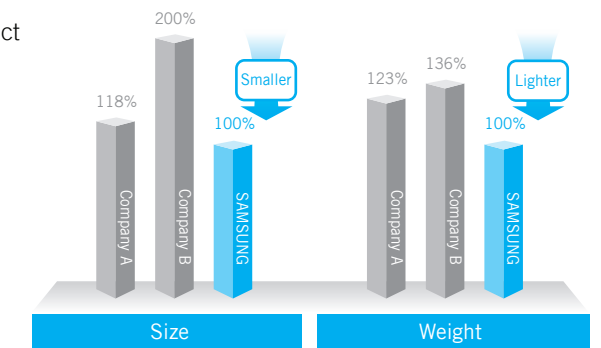
Ceiling



Floor

• **Compact but Powerful**

Samsung's Ceiling/Floor Mount air conditioner boasts a slim, compact design - half the size of our competitor's with cooling power comparable to our competitor's larger products.



CONTROLS

INDIVIDUAL CONTROL



WIRED REMOTE CONTROL
Part No. MWR-WE10N



SIMPLIFIED WIRED REMOTE CONTROL
Part No. MWR-SH00N



WIRELESS REMOTE CONTROL
Part No. MWR-DH00U



EXTERNAL CONTACT INTERFACE MODULE
Part No. MIM-B14



EXTERNAL TEMP SENSOR
Part No. MRW-TA



DUCT UNIT WIRELESS CONTROL
Part No. MRK-A10N

CENTRAL CONTROL



WIRED REMOTE CONTROL
Part No. MCM-A202DN



DMS 2
Part No. MIM-D00AN



BACnet GATEWAY
Part No. MIM-B17N



LonWorks GATEWAY
Part No. MIM-B18N



HEATPUMP MODE SELECTOR SWITCH
Part No. MC-C200



TOUCHSCREEN CONTROLLER
Part No. MCM-A300N

BUILDING MANAGEMENT



SNET 3 SOFTWARE
Part No. MST-P3P



ENERGY MANAGEMENT
Part No. MIM-B16
MIM-B16N

APPLICATIONS



S-CHECKER



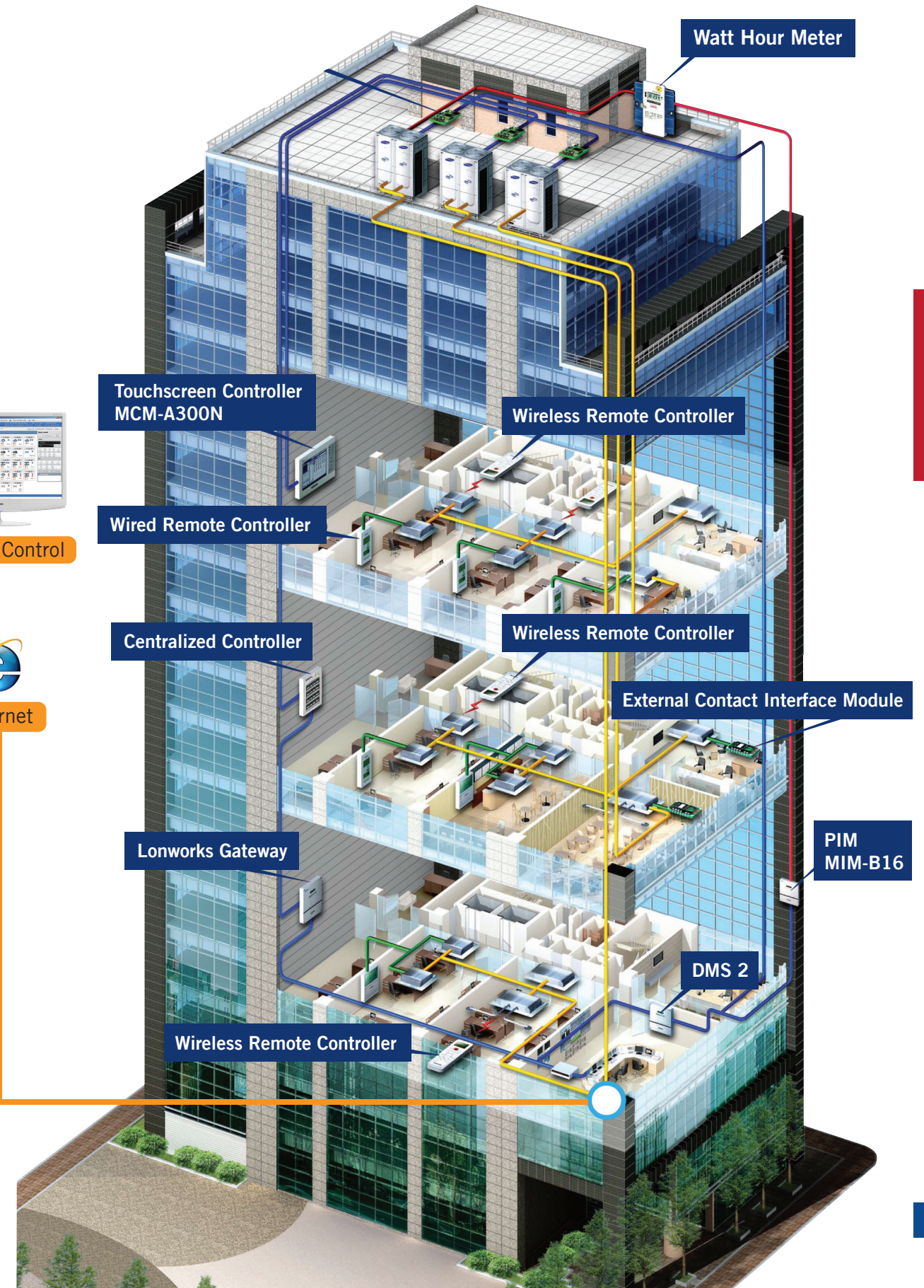
iCONVERTER



Remote Control



Internet



INDIVIDUAL CONTROL

WIRED REMOTE CONTROL

Samsung's MWR-WE10N wired controller allows connection of up to 16 Samsung indoor units. Features include: built-in room sensor, air handler operation on/off, air handler operation mode, set temperature, air flow direction, fan speed, discharge air temperature setting (with supported indoor unit models), quiet and sleep modes, error display, filter replacement alarm display and reset, weekly operating schedule, different button permission levels, partial button lock option, backlight, temperature limit setting option, service mode support, independent louver control for DVM S series 4-way cassette models (AM0**FN4DCH), adjustable heating temperature compensation values, and child lock.

**MWR-WE10N**

- On/Off, Operation Mode, Fan Speed, Airflow, Temp Setting
- Individual and group control (maximum to 16 indoor units)
- Error display
- Filter replacement alarm reset
- Sleep & Silent mode
- Built-in room temperature sensor
- Child lock
- Automatic stop mode
- Wireless remote control restriction
- Clear & bright screen with LCD backlight
- Unified controller
- Different permission levels
- Weekly schedule setting
- Exception date setting
- Individual blade control (supports specific indoor unit models)
- Summer time

WIRELESS REMOTE CONTROL

**MR-DH00U**

- On/Off, Operation Mode, Fan Speed, Airflow Temperature Setting
- Filter replacement alarm reset
- Simple schedule control
- Wide display
- Soft touch button
- Individual blade control (supports specific indoor unit models)
- Multi-channel wireless remote control (maximum of 4 channels)

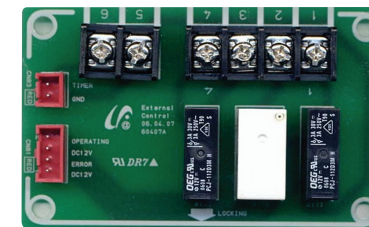
SIMPLIFIED WIRED CONTROL

**MWR-SH00N**

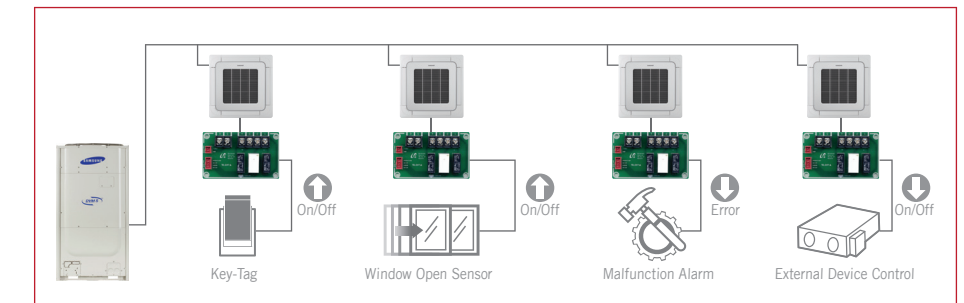
- On/Off, Operation Mode, Fan Speed, Set Temp
- Error display
- Filter replacement alarm display and reset
- Single indoor unit control or multiple unit control (maximum 16 units)
- Partial controller button lock (operation mode, temp setting, fan speed, timer, and lock mode)
- Upper and lower temperature setting restriction
- Auto mode skip
- Heat mode skip (cooling only)
- Restrict wireless controller signal (optional)
- Louver position setting (cassette and wall units)
- Single event timer function (On/Off control, 30 minutes ~ 18 hours timer setting options)
- System/indoor unit function and operation indication (defrost, error, restricted controller, SPi status)
- Quiet Mode setting (for supported units)
- Service mode for connected indoor unit operation monitoring, addressing, and setup
- Can be used to specify "Mode Master" while connected to a single indoor unit when used with heat pump systems

GUESTROOM MANAGEMENT MODULE

Direct indoor unit ON/OFF control (a single evaporator) by external contact, 0 volts signal. Also provides operation and error output terminals to control other devices/indicator lights with a dry-contact. E.G.: hotel key card switch, door/window switch, PIR sensor with timed relay, other occupancy sensors, enabling/disabling other ventilation.

**MIM-B14 (External Contact Interface Module)**

- Direct indoor unit control by external contact signal
- Window-synchronized indoor unit control
- Emergency control with simple contact input
- Indoor unit operation / error state output through relay contacts



EXTERNAL TEMPERATURE SENSOR

**MRW-TA**

- External sensor to measure exact user environment temperature
- Wire length : 39ft.

DUCT UNIT WIRELESS CONTROL

**MRK-A10N**

- On/Off control
- Operation indication
- Error Indication
- Filter replacement sign
- Use with receiver wire, MRW-10A (included)



MRW-10A

CENTRAL CONTROL

ON/OFF CONTROLLER

MCM-A202DN is a simple to use device that allows ON/OFF control of up to 128 indoor units with up to 16 individual groups. The MCM-A202DN also has a mode selection switch that allows easy system operation mode changes along with ALL ON and ALL OFF buttons.



MC-A202DN

- Maximum of 16 group controls (Maximum of 128 Indoor units)
- Unified/Individual indoor unit control (On/Off)
- Wireless/wired remote control restriction
- Cooling/Heating mode control
- Indoor unit error display

CONTROLS



DMS 2

Standalone web server device that can connect to and control up to 256 indoor units via Internet Explorer. The DMS 2 provides a simple, easy to use interface for control of the following: indoor unit operation mode, temperature setting, airflow direction, fan speed, temperature and mode limitations and restrictions, maximum current control of outdoor unit(s) to limit current (50% - 100% of design current) adjustable at outdoor unit or MIM-DOOAN, heating and cooling output calibration of indoor units, and other various control points. To fit the needs of the commercial building, multiple user login accounts can be created with various levels of control for manager specified indoor units. The DMS 2 shall also offer 10 Digital Input (2 reserved for system shutdown with emergency signal) and 8 Digital Output terminals (2 reserved) to control and monitor other devices on the project.

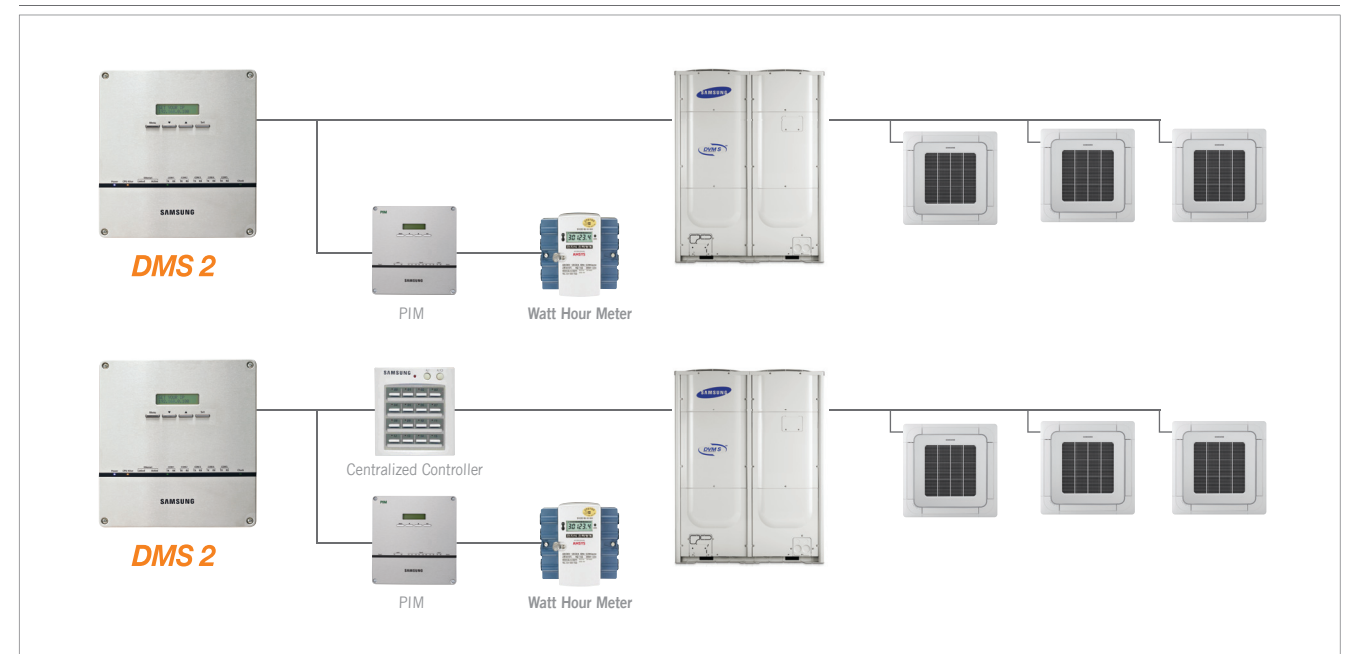


MIM-DOOAN

- Built-in web server for PC-independent management and remote access control
- Multiple upper-level control access (S-NET 3, Touchscreen Control, Web-client)
- Central management of up to 256 indoor units
- User editable control logic
- Accessible level management
- Dynamic security management
- Operation & error history management
- Weekly/Daily schedule control
- Power distribution function
- Current time management even during power failure (for 24 hours)
- Data storage in non-volatile memory & SD memory
- Emergency stop function with simple contact interface

CONTROLS

DMS 2 System



CENTRAL CONTROL

DMS 2 CONTINUED . . .



Air Conditioning Operation Monitoring

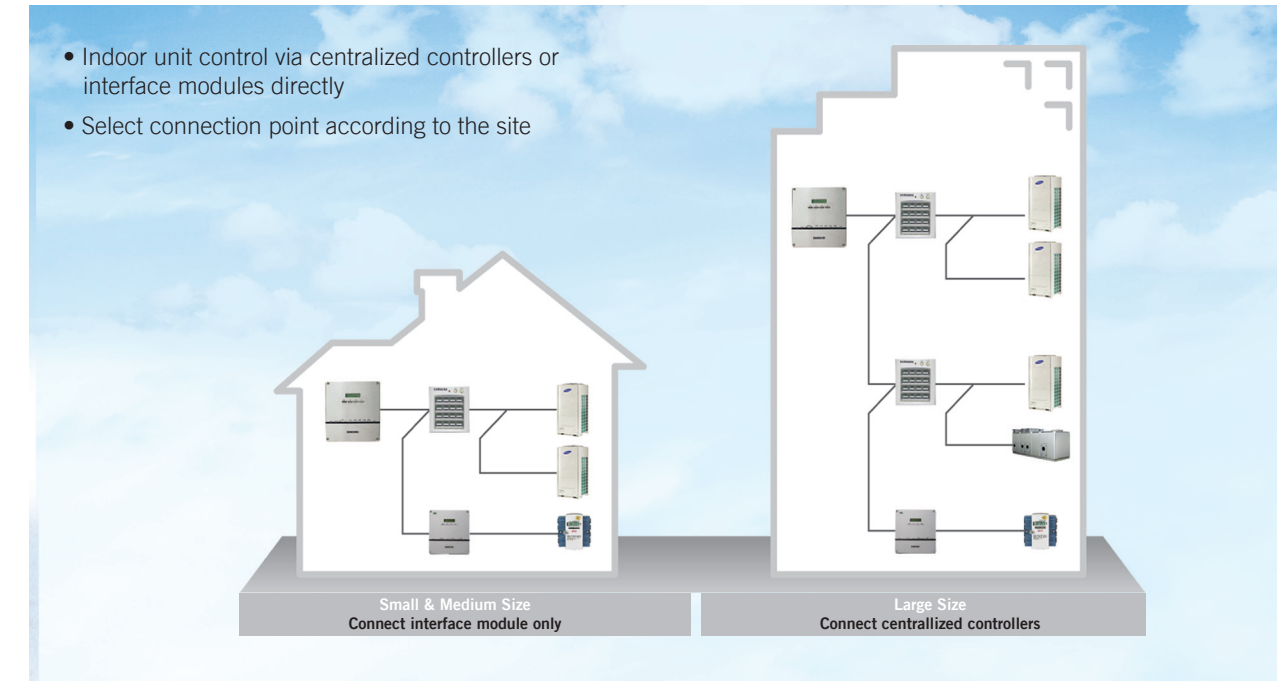
- No need to open each outdoor unit
- Detailed refrigerant flow check in control room
- Reduced service lead time

| | | | | | |
|-----------------------------|-------------|--------------------------|----------|----------------|-------|
| Master Outdoor | 01 | Oil recovering | None | Operation Mode | HEAT |
| Operation Status (Start-Up) | SafetyStart | Total capacity of Indoor | 30.8Kt/h | Defrost status | Off |
| Heating capacity ratio | 100.0% | Number of outdoor units | 2 | Oil balancing | 115kg |

| | | | | | |
|-----------------------------|--------|-------------------------|--------|-------------------------|-------------|
| Unit address | 00 | Outdoor temperature | --- | Model | DVM-R152 HR |
| Suction temperature | 13°C | Condenser outlet temp. | --- | Oil / OLP temperature | 75°C |
| Comp 1 | Off | Comp 2 | Off | Comp 3 | On |
| Main cooling valve | On | Hot Gas Valve | Off | Outdoor capacity | 0HP |
| 4Way Valve | Off | Liquid Bypass Valve | On | EVI Bypass Valve | On |
| Running current(Comp.1) | 7.8A | Running current(Comp.2) | 7.4A | Running current(Comp.3) | 0.0A |
| High pressure data | --- | Low pressure data | --- | Double side temperature | 12°C |
| Main expansion valve status | --- | EVI(Liquid) EEV | --- | HR EEV(Gas Liquid EEV) | --- |
| Discharge-1 temperature | 30°C | Discharge-2 temperature | 39°C | Discharge-3 temperature | 54°C |
| Outdoor fan Step | 0 STEP | Loading Time | 36 Sec | Accumulator CCH | Off |
| CCH | Off | CCH2 | Off | CCH3 | Off |

Flexible Connectivity

- Indoor unit control via centralized controllers or interface modules directly
- Select connection point according to the site



CONTROLS

CONTROLS

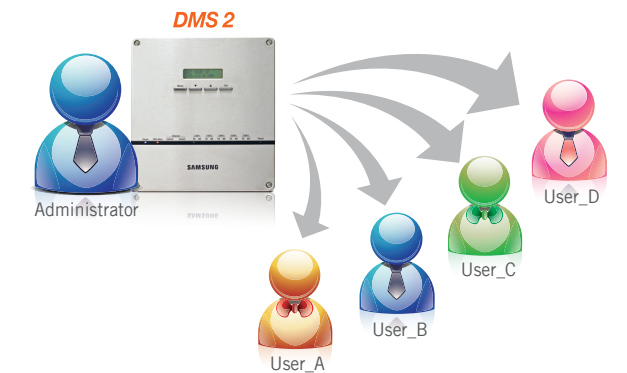
Easy Control & Monitoring

- Control and monitoring of up to 256 indoor units via internet network
- Operation On/Off
- Operation mode, fan speed, temperature setting



Accessible Level Management

- It is possible to specify the scope of control and monitoring by each user.



Indoor Unit On/Off Time Storage

- Operation history data recorded for up to 6 months

Storage parameters

1. Indoor unit address and name
2. On/Off time (year, month, day, hour, minute)
3. Operation mode (Cool, Heat, Auto, Fan, Dry, Stop)
4. Set/Room temperatures

| Device type | Occurrence time | Control Unit | Control type | Controlled device |
|--|---------------------|--------------|--------------------------|-----------------------------|
| DVM | 2010.01.15 18:57:25 | DMS Web | Upper controller control | 00.02.01_00.02.00_00.00_... |
| DVM | 2010.01.15 18:57:29 | DMS Web | Upper controller control | 00.01.01_00.01.00 |
| Control device ID (DVM) | | | | |
| 00.01.01.00.01.01.01_00.01.00.00.01.00 | | | | |
| Control device type DVM | | | | |
| Power On | | | | |
| DVM | 2010.01.15 20:02:37 | DMS Web | Upper controller control | 00.00.01_00.00.00 |

Storage Period - Up to 6 months

Dynamic User Security Management

- General users, managers, and administrators can be registered separately by ID and password. Administrators (utility managers) have the authority to set access levels for DMS 2 functions on users.

| Functions | Admin | Manager | User |
|----------------------|------------|------------|------|
| | Access All | Changeable | |
| Control / Monitoring | 0 | 0 | 0 |
| Zone Management | 0 | 0 | X |
| Schedule | 0 | 0 | 0 |
| Power Distribution | 0 | 0 | X |
| System Configuration | 0 | X | X |

CENTRAL CONTROL

DMS 2 CONTINUED . . .



Enhanced Graphical User Interface

User-friendly icon-based unit control

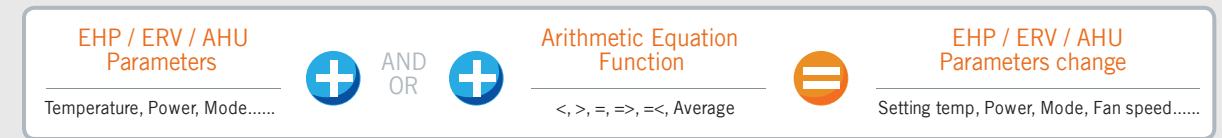
Color indication and icons make it easy to recognize indoor unit status

Zoom in & Zoom out icon display

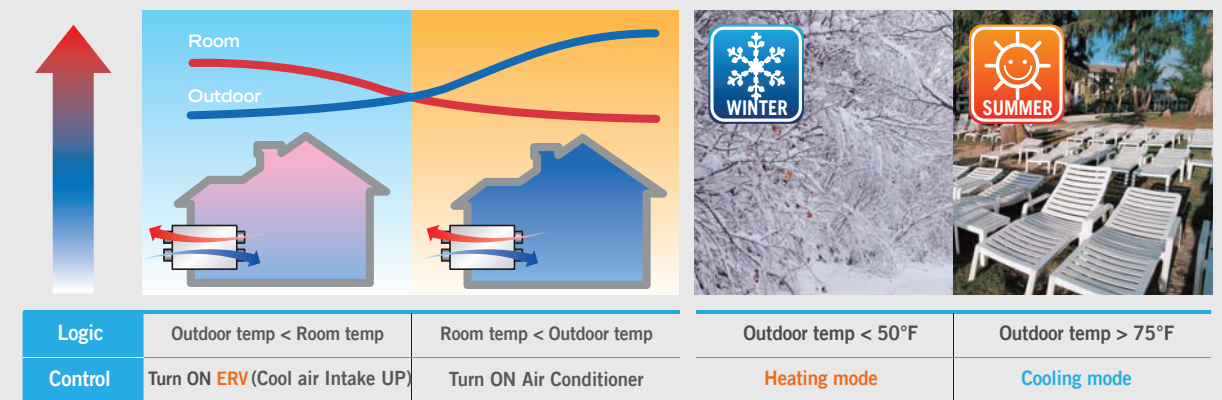
Convenient & stylish controller

User Editable Control Logic

- User can edit control logic with arithmetic / conditional operators and parameters
- Energy can be efficiently used and reduced for various operation conditions



Example : Energy saving function, operation adjustment depending on outdoor temperature



Data Backup

- Important data is safely stored on SD memory card
 1. Indoor/outdoor unit name
 2. Power distribution data
 3. Operation history (On/Off by DMS)
 4. DMS power On/Off history
 5. System configuration
 6. Others



Service Response

- Remote control and monitoring through the Internet (when a public IP is used)
- E-mail notification to private internet account in case of malfunction

| Check | Address | Device type | Occurrence time | Troubleshooting time | Error No. | Status |
|--------------------------|---------|-------------|------------------|----------------------|-----------|----------|
| <input type="checkbox"/> | 00 | caur | 2009-11-12 18:26 | 2009-11-13 09:45 | 611 | Resolved |
| <input type="checkbox"/> | 01 | caur | 2009-11-12 18:26 | 2009-11-13 09:45 | 611 | Resolved |

Useful History Management

- DMS 2 records indoor unit operation and error occurrence history.
- Recorded history makes it convenient to analyze air conditioner operation and perform unit maintenance.



Operation History

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

Error History

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

More Extended Contact Interface

General users, managers, and administrators can be registered separately by ID and password. Administrators (utility managers) have the ability to set access levels for DMS 2 functions on users.



CENTRAL CONTROL

DMS 2 CONTINUED . . .

Power Distribution System

- Power distribution to a maximum of 256 indoor units
- Data query for watt-hour, usage time and usage ratio
- Files are saved in Microsoft® Excel® format
- 1-year power distribution data is saved in storage
- Current actual power consumption monitoring
- Current-type electricity meter support (CT ratio input)

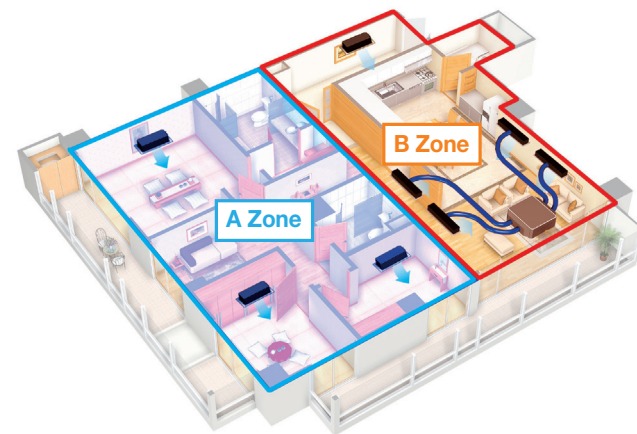


Smart Central Management

- Control & monitoring zone edition
- Wireless/wired remote control restriction
- Temperature limit setting
- Operation mode restriction

A Zone Cooling only / No remote controller / Minimum cooling temperature setting is 68°F

B Zone Cooling only / Remote controller use



BACnet GATEWAY

Standalone web server device that can connect to and control up to 256 indoor units via Internet Explorer. The MIM-B17 provides a simple, easy to use interface for control of the following: indoor unit operation mode, temperature setting, airflow direction, fan speed, temperature and mode limitations and restrictions, maximum current control of outdoor unit(s) to limit current (50% - 100% of design current) adjustable at outdoor unit or MIM-B17, heating and cooling output calibration of indoor units, and other various control points. To fit the needs of the commercial building, multiple user login accounts can be created with various levels of control for manager specified indoor units. The MIM-B17 shall also offer 10 Digital Input (2 reserved for system shutdown with emergency signal) and 8 Digital Output terminals (2 reserved) to control and monitor other devices on the project. The MIM-B17 will also interface with BACnet systems to allow full integration with building management systems.



MIM-B17N (DMS-Bnet)

- Interface for BACnet management system
- Maximum 256 indoor units plus ERVs support with a maximum of 80 interface modules
- Combinational use of BACnet and S-NET 3/ S-NET Mini
- Includes DMS 2 functions

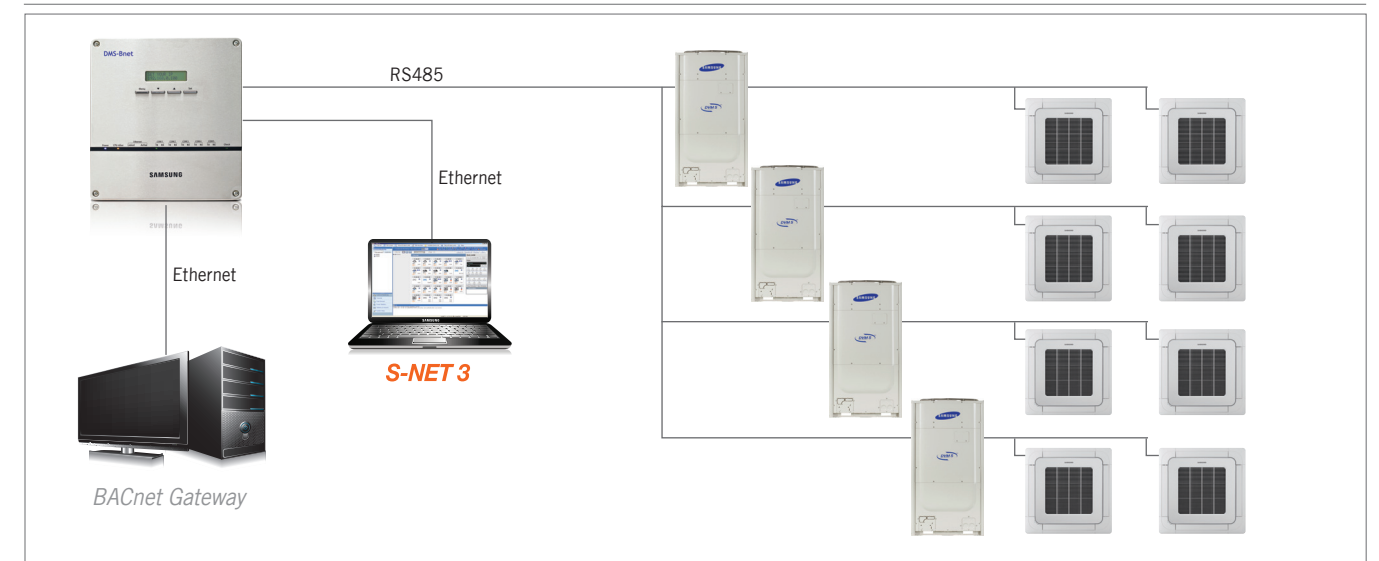
CONTROL

- On/Off control
- Operation mode
- Temperature setting
- Fan speed/direction
- ERV operation mode
- ERV fan speed
- Filter alarm reset
- User control restriction
- Operation mode lock
- Set temperature limit
- Emergency stop
- Output contact control

MONITORING

- On/Off control
- Operation mode
- Set/Room temperature
- Fan speed/direction
- ERV operation mode
- ERV fan speed
- Filter alarm
- User control restriction
- Thermo On/Off
- Power distribution
- Operation mode lock
- Set temperature limit
- In/Out contact state
- Emergency stop
- Error code

BACnet Gateway Setup



CONTROLS

CONTROLS

CENTRAL CONTROL

LonWorks GATEWAY

Standalone web server device that can connect to and control up to 128 indoor units via Internet Explorer. The MIM-B18N provides a simple, easy to use interface for control of the following: indoor unit operation mode, temperature setting, airflow direction, fan speed, temperature and mode limitations and restrictions, maximum current control of outdoor unit(s) to limit current (50% - 100% of design current) adjustable at outdoor unit or MIM-B18N, heating and cooling output calibration of indoor units, and other various control points. To fit the needs of the commercial building, multiple user login accounts can be created with various levels of control for manager specified indoor units. The MIM-B18N shall also offer 10 Digital Input (2 reserved for system shutdown with emergency signal) and 8 Digital Output terminals (2 reserved) to control and monitor other devices on the project. The MIM-B18 will also interface with LonWorks systems to allow full integration with building management systems.



MIM-B18N (DMS-Lnet)

- Interface for Lon-Connection to LonWorks management system
- Max. 128 indoor units plus ERVs support with a maximum of 80 interface modules
- Works with LonWorks and S-NET 3
- Includes DMS 2 functions

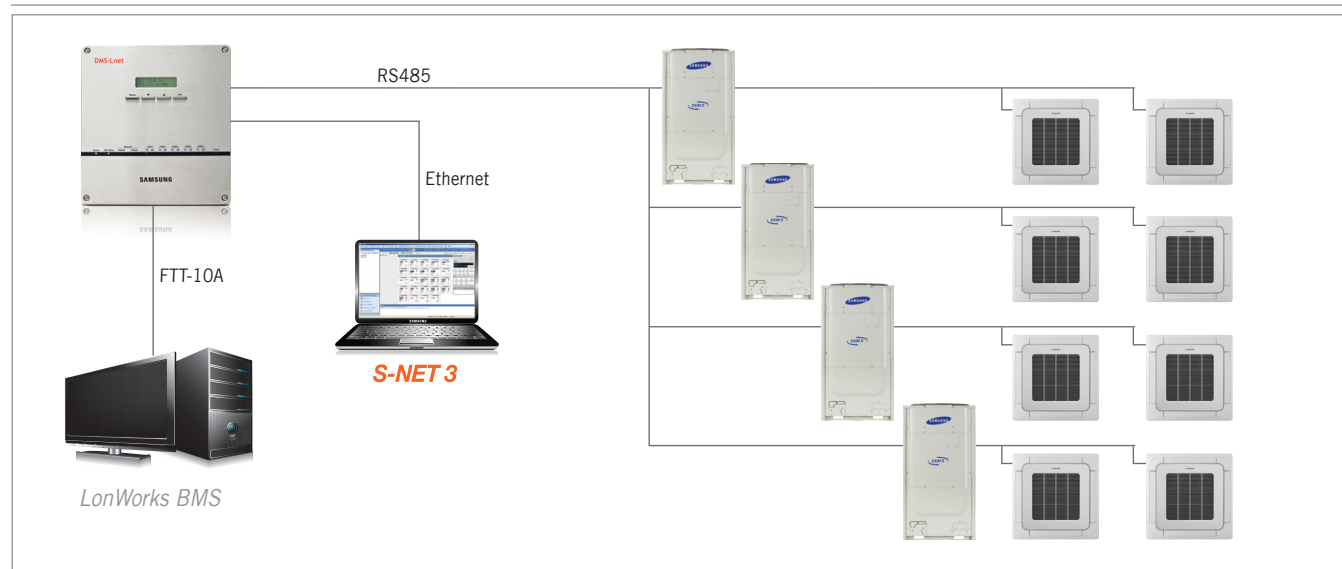
CONTROL

- On/Off control
- Operation mode
- Temperature setting
- Fan speed/direction
- ERV operation mode
- ERV fan speed
- Filter alarm reset
- User control restriction
- Operation mode lock
- Set temperature limit
- Emergency stop
- Output contact control

MONITORING

- On/Off control
- Operation mode
- Set/Room temperature
- Fan speed/direction
- ERV operation mode
- ERV fan speed
- Filter alarm
- User control restriction
- Thermo On/Off
- Power distribution
- Operation mode lock
- Set temperature limit
- In/Out contact state
- Emergency stop
- Error code

LonWorks Gateway Setup



HEAT PUMP MODE SELECTOR SWITCH



MC-C200

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

CONTROLS

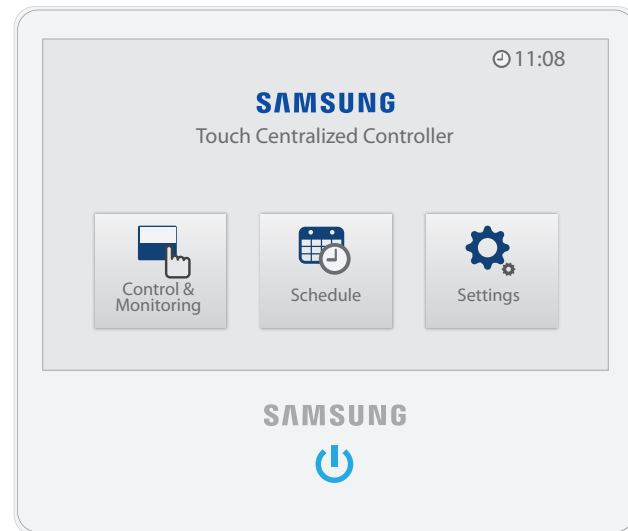
CONTROLS



CENTRAL CONTROL

TOUCHSCREEN CONTROLLER

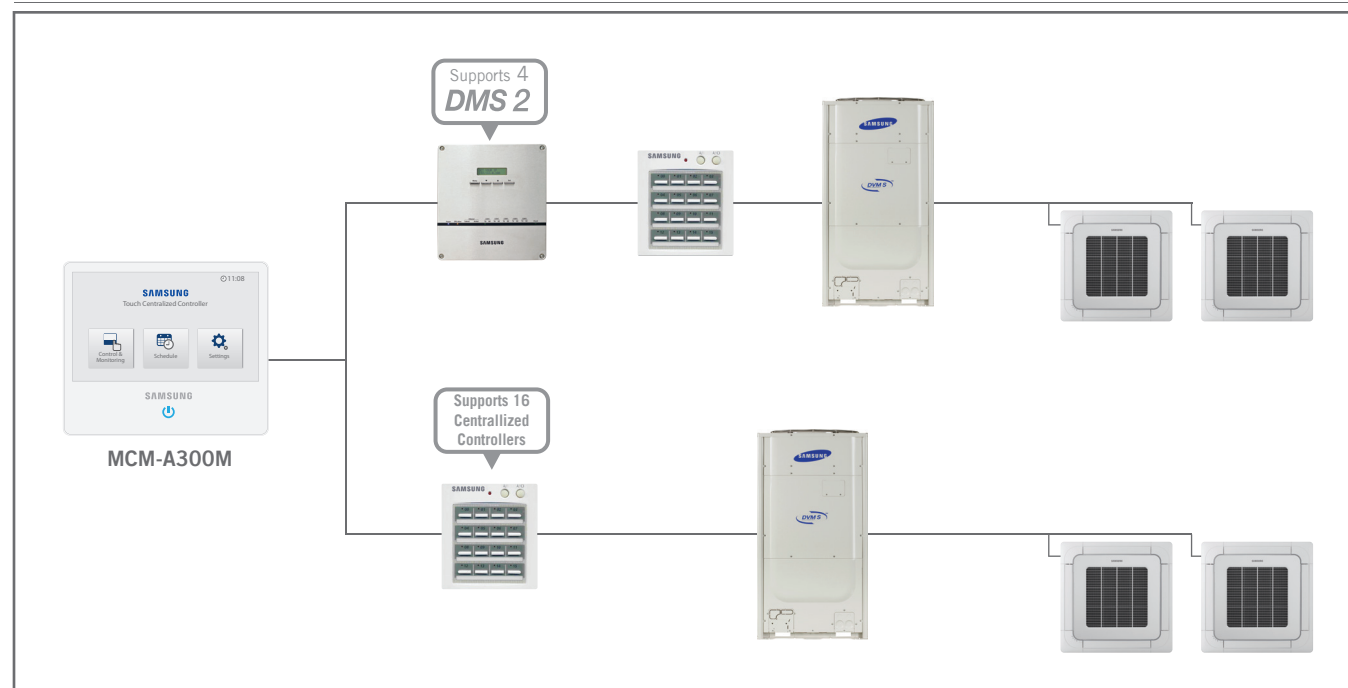
The Touchscreen Controller supports up to 4 DMS 2's to provide the same remote control functions as the S-NET 3. It can be directly connected to the system air conditioner through the centralized controller or interface modules, allowing for the control of up to 128 indoor units.



MCM-A300M

- Flexible compatibility options (DMS 2, centralized controller)
- Central management of up to 128 indoor units
- Detailed cycling information monitoring
- Schedule function (Weekly, Daily)
- USB keyboard support
- Error display
- LCD display
- Temperature limit setting
- Touch screen
- Zone control
- Child-lock setting
- Operation mode lock
- External contact control

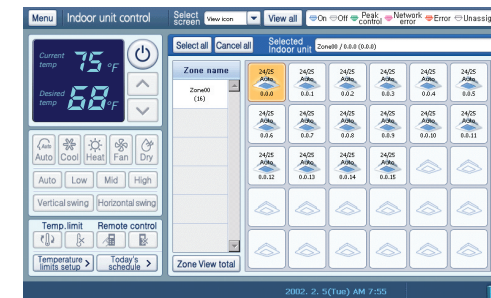
MCM-A300M Setup



TOUCHSCREEN CONTROLLER . . .

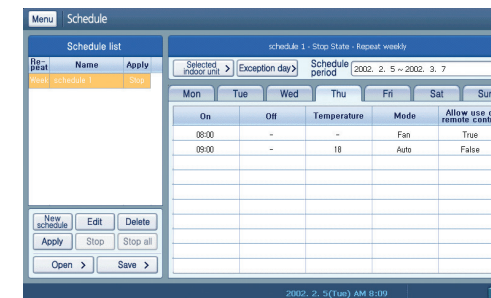
Control and Monitoring

- Control & monitoring of up to 128 indoor units
- Operation control and monitoring
- Detailed operation cycling information monitoring
- Wireless/Wired remote control restriction setting



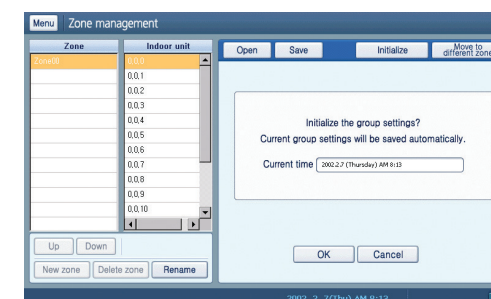
Schedule Control

- Maximum 128 Weekly, Daily schedule control
- Schedule repetition, exception date setting
- Schedule edit (add, edit, delete)
- Detailed operation schedule setting
- Remote control restriction option setting



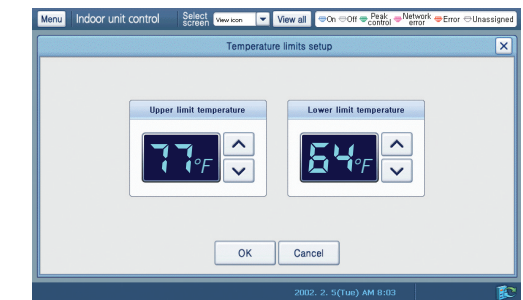
Zone Management

- Management structure customization regardless of installation structure
- Control zone creation/edit/delete



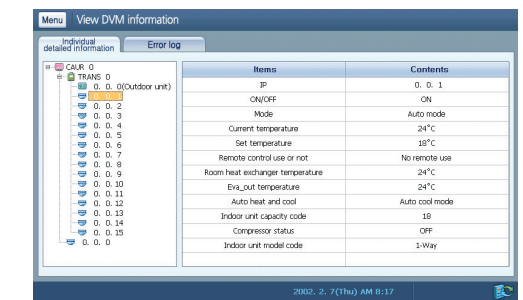
Central Restriction Function

- Upper/Lower temperature limit setting
- Operation mode lock



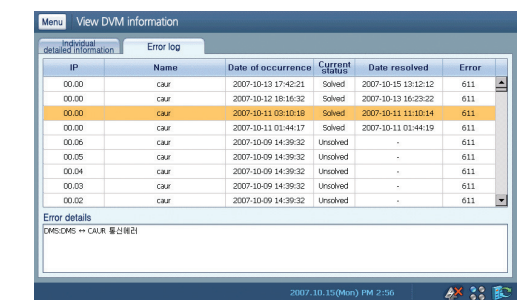
Cycle Monitoring

- Monitoring outdoor/indoor unit cycle data (The monitoring function is supported for specific outdoor unit models)



Error Management

- Error history management
- Error management information query
- Detailed error information query



BUILDING MANAGEMENT

S-NET 3

Samsung Software that allows monitoring and control of up to 16 DMS 2's, Samsung BACnet Gateways, or Samsung LonWorks gateways via LAN connection. SNET 3 provides a simple, easy to use interface for control of the following: indoor unit operation mode, temperature setting, airflow direction, fan speed, temperature and mode limitations and restrictions, gateway Digital Inputs and Digital Outputs, and other various control points. To fit the needs of the commercial building, multiple user login accounts can be created with various levels of control for manager specified indoor units. SNET 3 shall also offer energy management query for tenant billing and energy reports (other components necessary). SNET 3 offers a single point for control for a single building or multiple buildings via public IP.

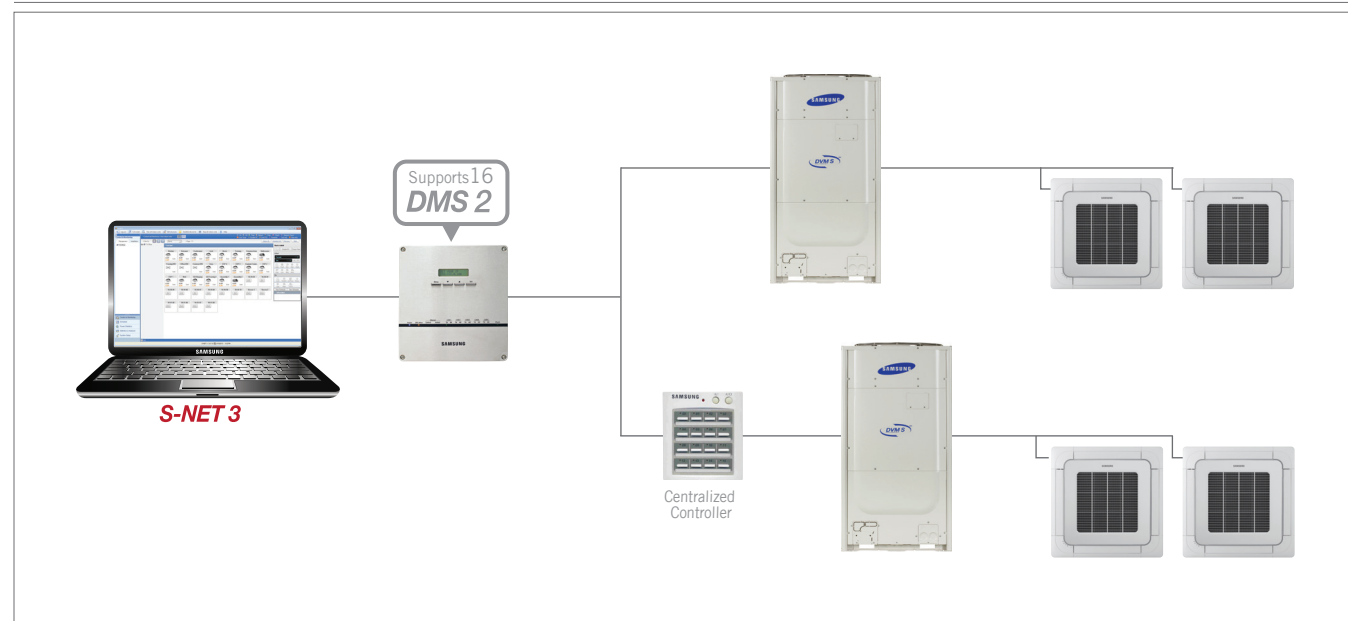
CONTROLS



MST-P3P

- Fully integrated PC management software
- Up to 16 DMS 2 connections through the Internet
- Central management of up to 4,096 indoor units
- Schedule/Zone control
- Error/Operation history management
- Power distribution management and analysis

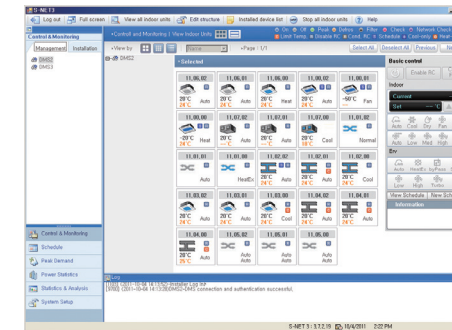
S-NET 3 System



➤ SNET 3 . . .

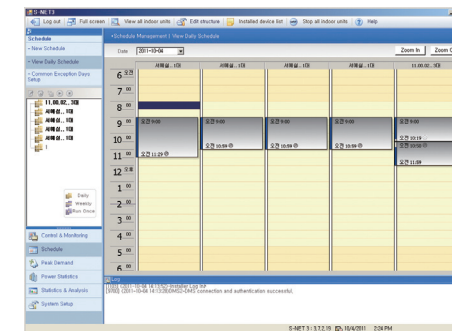
Control and Monitoring

- Control & monitoring of up to 4,096 indoor units
- Wireless/Wired remote control restriction
- Temperature limit setting
- Operation mode lock
- Multiple/Full indoor unit selection
- Icon-based indoor unit display mode



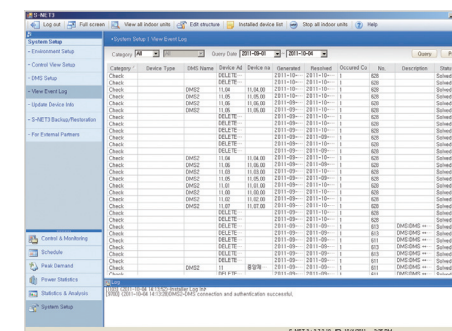
Schedule Control

- Graphical schedule settings
- Weekly, Daily schedule control
- Exception date setting



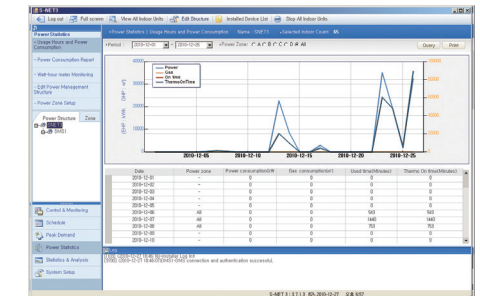
History Management

- Error/Event history management
- Indoor unit operation history management
- Report generation and printing



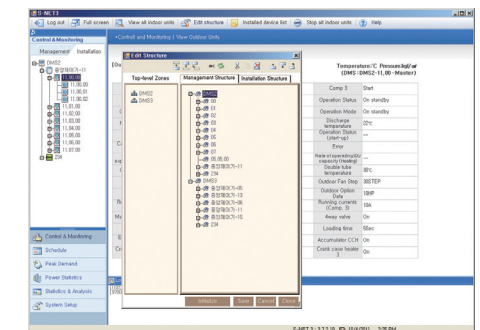
Power Distribution Management

- Data query for power distribution and operation time
- Power distribution report generation and printing
- Time section setting for different electricity rates
- Group setting for power distribution summary



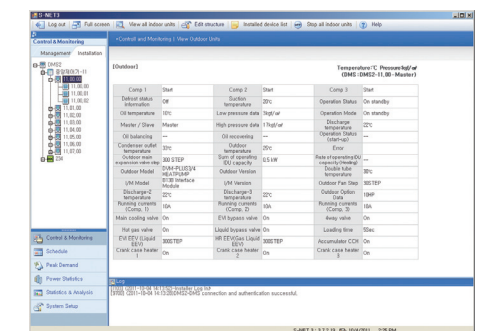
Zone Management

- Management structure customization regardless of installation structure
- Control zone creation/editing/deletion
- Tree structure zone management control



Cycle Monitoring

- Monitoring outdoor/indoor unit cycle data (The monitoring function is supported for specific outdoor unit models)



CONTROLS

BUILDING MANAGEMENT

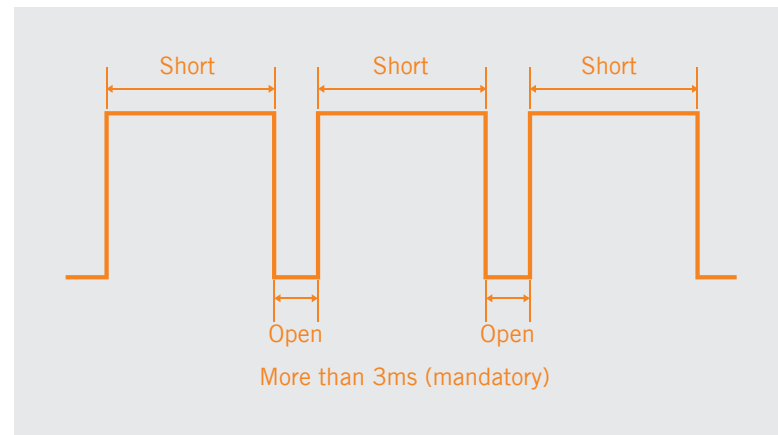
WATT-HOUR METER INTERFACE MODULE



MIM-B16 & MIM-B16N (Pulse Input Module)

The Watt-Hour Meter Interface Module can be exclusively used for DMS 2 power distribution, displaying power consumption for each watt-hour meter.

- Exclusive use for DMS 2 power distribution
- Connection with up to 8 watt-hour meters
- Pulse interface with watt-hour meters
- Power consumption display for each watt-hour meter



CONTROLS

CONTROLS

APPLICATIONS

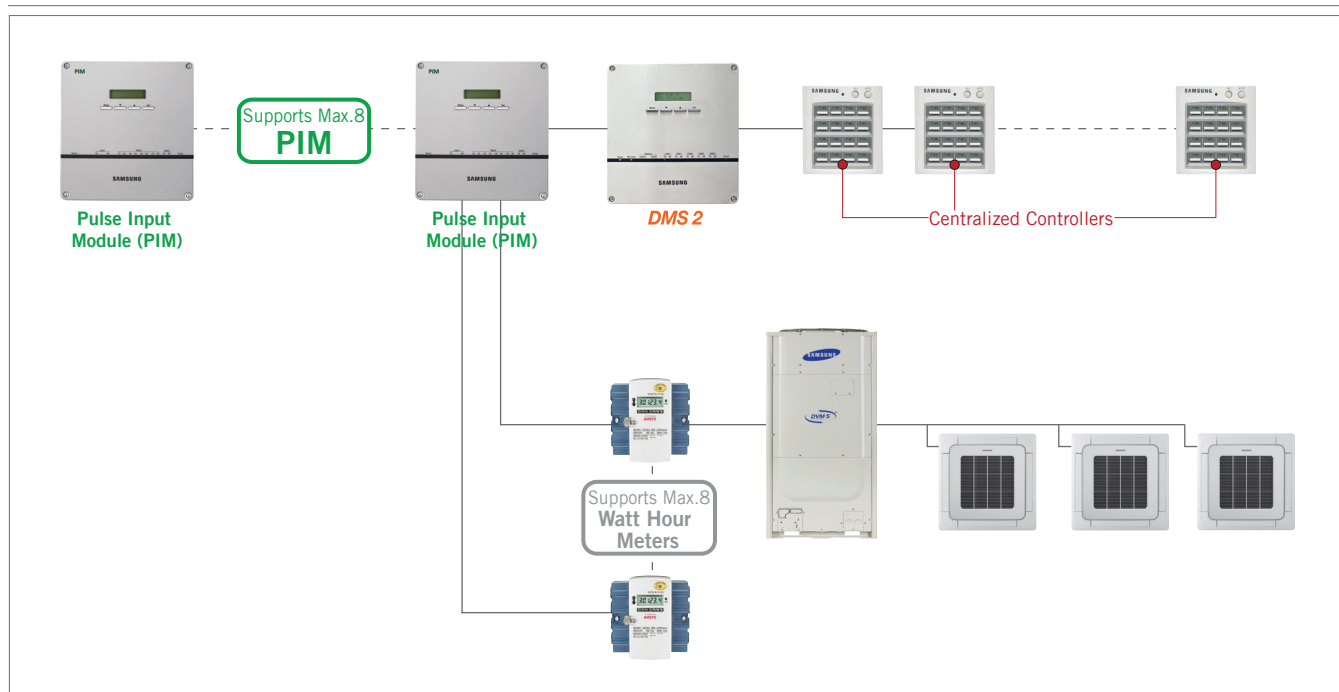
S-CHECKER



With S-Checker, DVM S can be monitored by smart devices such as smart phone or tablet PC. Facilitates self-diagnosis, auto commissioning, auto management, and mobile data transmission.



Pulse Input Module Setup



DMS 2 (MIM-D00AN) can support 32 MIM-B16N PIM's, only 8 MIM-B16 models.

DVM Pro

DVM Pro is a selection program that allows you to design your DVM S system with ease and precision.

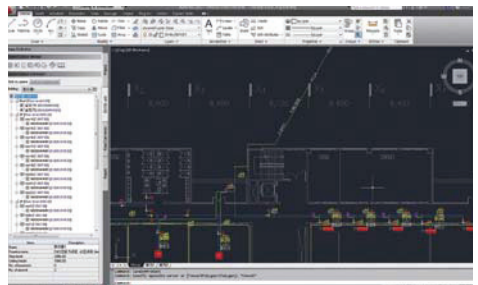
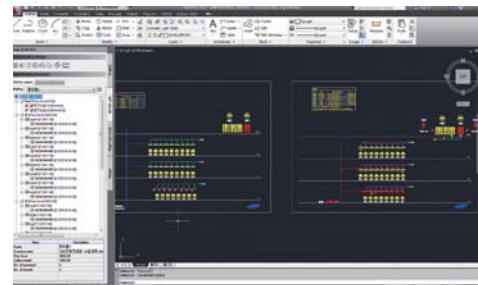
Sales Mode

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



CAD Mode

- Quick, Easy, Precise Design
- AutoCAD add-on software (AutoCAD is not included with DVM-Pro)
- Automatic Calculation : Refrigerant & drain pipe size
- Automatic Selection : Refnet joint, header & distributor kit
- System Check : Installation regulation & refrigerant addition
- Easy Control System Selection
- Automatic Report : Piping installation diagram, equipment list & quotation



NOTES



SPECIFICATIONS - OUTDOOR UNITS

OUTDOOR UNITS

DVM S HEAT PUMP (208~230V)



| Model Name | | | AM072FXVAFH/AA | AM096FXVAFH/AA | AM120FXVAFH/AA | AM144FXVAFH/AA | |
|-----------------------------|---------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| Power Supply | | Ø, V, Hz | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | |
| Mode | | - | HEAT PUMP | HEAT PUMP | HEAT PUMP | HEAT PUMP | |
| Performance | Ton | TON | 6.00 | 8.00 | 10.00 | 12.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 72,000 | 96,000 | 120,000 | 144,000 |
| | | Heating ¹⁾ | Btu/h | 81,000 | 108,000 | 135,000 | 162,000 |
| | Capacity (Rated) | Cooling | Btu/h | 69,000 | 92,000 | 114,000 | 138,000 |
| Heating | | Btu/h | 77,000 | 103,000 | 129,000 | 154,000 | |
| Power | MCA | A | 28 | 37.8 | 43 | 52.6 | |
| | MOP | A | 35 | 50 | 50 | 70 | |
| Compressor | Type | - | SSC Scroll x 1 | SSC Scroll x 2 | SSC Scroll x 2 | SSC Scroll x 2 | |
| | Output | kW x n | (4.96) | (4.96x2) | (4.96x2) | (4.96x2) | |
| | Model Name | - | DS-GB052FBVASG x 1 | DS-GB052FBVASG x 2 | DS-GB052FBVASG x 2 | DS-GB052FBVASG x 2 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| Initial Charge | | cc | 1100 | 2200 | 2200 | 2200 | |
| | | fl. oz. | 77.77 | 155.54 | 155.54 | 155.54 | |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | 400 x 1 | 620 x 2 | 620 x 2 | 620 x 2 | |
| | Air Flow Rate | CFM | 7,239.78 | 9,182.16 | 9,182.16 | 9,535.32 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 9.52 | 9.52 | 12.70 | 12.70 | |
| | | Ø, inch | 3/8 | 3/8 | 1/2 | 1/2 | |
| | Gas Pipe | Ø, mm | 19.05 | 22.22 | 28.58 | 28.58 | |
| | | Ø, inch | 3/4 | 7/8 | 1 1/8 | 1 1/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | - | - | - | - | |
| | | Ø, inch | - | - | - | - | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| Max. Height | | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 5.50 | 7.40 | 7.40 | 8.70 | |
| | | lbs | 12.13 | 16.31 | 16.31 | 19.18 | |
| Sound ²⁾ | Sound Pressure | dB(A) | 60.0 | 61.0 | 61.0 | 62.0 | |
| | Sound Power | | 81 | 81 | 81 | 83 | |
| External Dimension | Net Weight | kg | 190.0 | 278.0 | 278.0 | 293.0 | |
| | | lbs | 418.88 | 612.89 | 612.89 | 645.95 | |
| | Shipping Weight | kg | 206.0 | 300.0 | 300.0 | 312.0 | |
| | | lbs | 454.15 | 661.39 | 661.39 | 687.84 | |
| | Net Dimensions (WxHxD) | mm | 880 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | |
| | | inch | 34.65 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | |
| Shipping Dimensions (WxHxD) | mm | 948 x 1,912 x 832 | 1,363 x 1,912 x 832 | 1,363 x 1,912 x 832 | 1,363 x 1,912 x 832 | | |
| | inch | 37.32 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

DVM S HEAT PUMP (208~230V)



| Model Name | | | AM168FXVAFH/AA | AM192FXVAFH/AA | AM216FXVAFH/AA | AM240FXVAFH/AA | |
|-----------------------------|---------------------------------|---|---|---|---|-----------------------------|----------|
| Power Supply | | Ø, V, Hz | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | |
| Mode | | - | HEAT PUMP | HEAT PUMP | HEAT PUMP | HEAT PUMP | |
| Performance | Ton | TON | 14.00 | 16.00 | 18.00 | 20.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 168,000 | 192,000 | 216,000 | 240,000 |
| | | Heating ¹⁾ | Btu/h | 189,000 | 216,000 | 243,000 | 270,000 |
| | Capacity (Rated) | Cooling | Btu/h | 161,000 | 183,000 | 207,000 | 228,000 |
| Heating | | Btu/h | 180,000 | 206,000 | 231,000 | 258,000 | |
| Power | MCA | A | 65.8 | 71 | 80.6 | 86 | |
| | MOP | A | 85 | 85 | 105 | 100 | |
| Compressor | Type | - | SSC Scroll x 3 | SSC Scroll x 3 | SSC Scroll x 3 | SSC Scroll x 4 | |
| | Output | kW x n | (4.96x2) + (4.96) | (4.96x2) + (4.96) | (4.96x2) + (4.96) | (4.96x2)x2 | |
| | Model Name | - | DS-GB052FBVASG x 3 | DS-GB052FBVASG x 3 | DS-GB052FBVASG x 3 | DS-GB052FBVASG x 4 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| Initial Charge | | cc | 3300 | 3300 | 3300 | 4400 | |
| | | fl. oz. | 233.32 | 233.32 | 233.32 | 311.09 | |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | 620 x 2 + 400 x 1 | 620 x 2 + 400 x 1 | 620 x 2 + 400 x 1 | (620 x 2) x 2 | |
| | Air Flow Rate | CFM | 9,182.16 + 7,239.78 | 9,182.16 + 7,239.78 | 9,535.32 + 7,239.78 | 9,182.16 x 2 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 15.88 | 15.88 | 15.88 | 15.88 | |
| | | Ø, inch | 5/8 | 5/8 | 5/8 | 5/8 | |
| | Gas Pipe | Ø, mm | 28.58 | 28.58 | 28.58 | 28.58 | |
| | | Ø, inch | 1 1/8 | 1 1/8 | 1 1/8 | 1 1/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | - | - | - | - | |
| | | Ø, inch | - | - | - | - | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| Max. Height | | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 12.90 | 12.90 | 14.20 | 14.80 | |
| | | lbs | 28.44 | 28.44 | 31.31 | 32.63 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | | - | - | - | - | |
| External Dimension | Net Weight | kg | 278.0 + 190.0 | 278.0 + 190.0 | 293.0 + 190.0 | 278.0 x 2 | |
| | | lbs | 612.89 + 418.88 | 612.89 + 418.88 | 645.95 + 418.88 | 612.89 x 2 | |
| | Shipping Weight | kg | 300.0 + 206.0 | 300.0 + 206.0 | 312.0 + 206.0 | 300.0 x 2 | |
| | | lbs | 661.39 + 454.15 | 661.39 + 454.15 | 687.84 + 454.15 | 661.39 x 2 | |
| | Net Dimensions (WxHxD) | mm | 1,295 x 1,695 x 765 + 880 x 1,695 x 765 | 1,295 x 1,695 x 765 + 880 x 1,695 x 765 | 1,295 x 1,695 x 765 + 880 x 1,695 x 765 | (1,295 x 1,695 x 765) x 2 | |
| | | inch | 50.98 x 66.73 x 30.12 + 34.65 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 + 34.65 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 + 34.65 x 66.73 x 30.12 | (50.98 x 66.73 x 30.12) x 2 | |
| Shipping Dimensions (WxHxD) | mm | 1,363 x 1,912 x 832 + 948 x 1,912 x 832 | 1,363 x 1,912 x 832 + 948 x 1,912 x 832 | 1,363 x 1,912 x 832 + 948 x 1,912 x 832 | (1,363 x 1,912 x 832) x 2 | | |
| | inch | 53.66 x 75.28 x 32.76 + 37.32 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 + 37.32 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 + 37.32 x 75.28 x 32.76 | (53.66 x 75.28 x 32.76) x 2 | | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

SPECIFICATIONS - OUTDOOR UNITS

OUTDOOR UNITS

DVM S HEAT PUMP (208~230V)



| Model Name | | | AM264FXVAFH/AA | AM288FXVAFH/AA | AM312FXVAFH/AA | AM336FXVAFH/AA | |
|-----------------------|---------------------------------|-----------------------|-----------------------------|-----------------------------|---|---|----------|
| Power Supply | | Ø, V, Hz | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | |
| Mode | | | HEAT PUMP | HEAT PUMP | HEAT PUMP | HEAT PUMP | |
| Performance | Ton | TON | 22.00 | 24.00 | 26.00 | 28.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 264,000 | 288,000 | 312,000 | 336,000 |
| | | Heating ¹⁾ | Btu/h | 297,000 | 324,000 | 351,000 | 378,000 |
| | Capacity (Rated) | Cooling | Btu/h | 252,000 | 276,000 | 299,000 | 321,000 |
| Heating | | Btu/h | 283,000 | 308,000 | 334,000 | 360,000 | |
| Power | MCA | A | 95.6 | 105.2 | 118.4 | 123.6 | |
| | MOP | A | 120 | 140 | 155 | 155 | |
| Compressor | Type | - | SSC Scroll x 4 | SSC Scroll x 4 | SSC Scroll x 5 | SSC Scroll x 5 | |
| | Output | kW x n | (4.96x2) + (4.96x2) | (4.96x2)x2 | (4.96x2) + (4.96x2) + (4.96) | (4.96x2) + (4.96x2) + (4.96) | |
| | Model Name | - | DS-GB052FBVASG x 4 | DS-GB052FBVASG x 4 | DS-GB052FBVASG x 5 | DS-GB052FBVASG x 5 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| | | Initial Charge | cc | 4400 | 4400 | 5500 | 5500 |
| | | fl. oz. | | 311.09 | 311.09 | 388.86 | 388.86 |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | (620 x 2) x 2 | (620 x 2) x 2 | (620 x 2) x 2 + 400 x 1 | (620 x 2) x 2 + 400 x 1 | |
| | Air Flow Rate | CFM | 9,182.16 + 9,535.32 | 9,535.32 x 2 | 9,182.16 + 9,535.32 + 7,239.78 | 9,182.16 + 9,535.32 + 7,239.78 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 19.05 | 19.05 | 19.05 | 19.05 | |
| | | Ø, inch | 3/4 | 3/4 | 3/4 | 3/4 | |
| | Gas Pipe | Ø, mm | 34.92 | 34.92 | 34.92 | 34.92 | |
| | | Ø, inch | 1 3/8 | 1 3/8 | 1 3/8 | 1 3/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | - | - | - | - | |
| | | Ø, inch | - | - | - | - | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| Max. Height | | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 16.10 | 17.40 | 21.60 | 21.60 | |
| | | lbs | 35.49 | 38.36 | 47.62 | 47.62 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | | - | - | - | - | |
| External Dimension | Net Weight | kg | 278.0 + 293.0 | 293.0 x 2 | 278.0 + 293.0 + 190.0 | 278.0 + 293.0 + 190.0 | |
| | | lbs | 612.89 + 645.95 | 645.95 x 2 | 612.89 + 645.95 + 418.88 | 612.89 + 645.95 + 418.88 | |
| | Shipping Weight | kg | 300.0 + 312.0 | 312.0 x 2 | 300.0 + 312.0 + 206.0 | 300.0 + 312.0 + 206.0 | |
| | | lbs | 661.39 + 687.84 | 687.84 x 2 | 661.39 + 687.84 + 454.15 | 661.39 + 687.84 + 454.15 | |
| | 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 + 880 x 1,695 x 765 | (1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765 | |
| | | inch | (50.98 x 66.73 x 30.12) x 2 | (50.98 x 66.73 x 30.12) x 2 | (50.98 x 66.73 x 30.12) x 2 + 34.65 x 66.73 x 30.12 | (50.98 x 66.73 x 30.12) x 2 + 34.65 x 66.73 x 30.12 | |
| | Shipping Dimensions (WxHxD) | mm | (1,363 x 1,912 x 832) x 2 | (1,363 x 1,912 x 832) x 2 | (1,363 x 1,912 x 832) x 2 + 948 x 1,912 x 832 | (1,363 x 1,912 x 832) x 2 + 948 x 1,912 x 832 | |
| | | inch | (53.66 x 75.28 x 32.76) x 2 | (53.66 x 75.28 x 32.76) x 2 | (53.66 x 75.28 x 32.76) x 2 + 37.32 x 75.28 x 32.76 | (53.66 x 75.28 x 32.76) x 2 + 37.32 x 75.28 x 32.76 | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);

- Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB

- Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB

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

3) Specifications are subject to change without prior notice for product improvement.

DVM S HEAT PUMP (208~230V)



| Model Name | | | AM360FXVAFH/AA | AM384FXVAFH/AA | AM408FXVAFH/AA | AM432FXVAFH/AA | |
|-----------------------|---------------------------------|-----------------------|---|-----------------------------|-----------------------------|-----------------------------|----------|
| Power Supply | | Ø, V, Hz | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | |
| Mode | | | HEAT PUMP | HEAT PUMP | HEAT PUMP | HEAT PUMP | |
| Performance | Ton | TON | 30.00 | 32.00 | 34.00 | 36.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 360,000 | 384,000 | 408,000 | 432,000 |
| | | Heating ¹⁾ | Btu/h | 405,000 | 432,000 | 459,000 | 486,000 |
| | Capacity (Rated) | Cooling | Btu/h | 345,000 | 366,000 | 390,000 | 414,000 |
| Heating | | Btu/h | 385,000 | 412,000 | 437,000 | 462,000 | |
| Power | MCA | A | 133.2 | 138.6 | 148.2 | 157.8 | |
| | MOP | A | 175 | 170 | 190 | 210 | |
| Compressor | Type | - | SSC Scroll x 5 | SSC Scroll x 6 | SSC Scroll x 6 | SSC Scroll x 6 | |
| | Output | kW x n | (4.96x2)x2 + (4.96) | (4.96x2)x2 + (4.96x2) | (4.96x2) + (4.96x2)x2 | (4.96x2)x3 | |
| | Model Name | - | DS-GB052FBVASG x 5 | DS-GB052FBVASG x 6 | DS-GB052FBVASG x 6 | DS-GB052FBVASG x 6 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| | | Initial Charge | cc | 5500 | 6600 | 6600 | 6600 |
| | | fl. oz. | | 388.86 | 466.63 | 466.63 | 466.63 |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | (620 x 2) x 2 + 400 x 1 | (620 x 2) x 3 | (620 x 2) x 3 | (620 x 2) x 3 | |
| | Air Flow Rate | CFM | 9,535.32 x 2 + 7,239.78 | 9,182.16 x 2 + 9,535.32 | 9,182.16 + 9,535.32 x 2 | 9,535.32 x 3 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 19.05 | 19.05 | 19.05 | 19.05 | |
| | | Ø, inch | 3/4 | 3/4 | 3/4 | 3/4 | |
| | Gas Pipe | Ø, mm | 41.28 | 41.28 | 41.28 | 41.28 | |
| | | Ø, inch | 1 5/8 | 1 5/8 | 1 5/8 | 1 5/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | - | - | - | - | |
| | | Ø, inch | - | - | - | - | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| Max. Height | | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 22.90 | 23.50 | 24.80 | 26.10 | |
| | | lbs | 50.49 | 51.81 | 54.67 | 57.54 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | | - | - | - | - | |
| External Dimension | Net Weight | kg | 293.0 x 2 + 190.0 | 278.0 x 2 + 293.0 | 278.0 + 293.0 x 2 | 293.0 x 3 | |
| | | lbs | 645.95 x 2 + 418.88 | 612.89 x 2 + 645.95 | 612.89 + 645.95 x 2 | 645.95 x 3 | |
| | Shipping Weight | kg | 312.0 x 2 + 206.0 | 300.0 x 2 + 312.0 | 300.0 + 312.0 x 2 | 312.0 x 3 | |
| | | lbs | 687.84 x 2 + 454.15 | 661.39 x 2 + 687.84 | 661.39 + 687.84 x 2 | 687.84 x 3 | |
| | Net Dimensions (WxHxD) | mm | (1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765 | (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 | |
| | | inch | (50.98 x 66.73 x 30.12) x 2 + 34.65 x 66.73 x 30.12 | (50.98 x 66.73 x 30.12) x 3 | (50.98 x 66.73 x 30.12) x 3 | (50.98 x 66.73 x 30.12) x 3 | |
| | Shipping Dimensions (WxHxD) | mm | (1,363 x 1,912 x 832) x 2 + 948 x 1,912 x 832 | (1,363 x 1,912 x 832) x 3 | (1,363 x 1,912 x 832) x 3 | (1,363 x 1,912 x 832) x 3 | |
| | | inch | (53.66 x 75.28 x 32.76) x 2 + 37.32 x 75.28 x 32.76 | (53.66 x 75.28 x 32.76) x 3 | (53.66 x 75.28 x 32.76) x 3 | (53.66 x 75.28 x 32.76) x 3 | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);

- Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB

- Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB

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

3) Specifications are subject to change without prior notice for product improvement.

SPECIFICATIONS - OUTDOOR UNITS

OUTDOOR UNITS

DVM S HEAT RECOVERY (208~230V)



| Model Name | | | AM072FXVAFR/AA | AM096FXVAFR/AA | AM120FXVAFR/AA | AM144FXVAFR/AA | |
|-----------------------------|---------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------|
| Power Supply | | | Ø, V, Hz | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 |
| Mode | | | - | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY |
| Performance | Ton | TON | 6.00 | 8.00 | 10.00 | 12.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 72,000 | 96,000 | 120,000 | 144,000 |
| | | Heating ¹⁾ | Btu/h | 81,000 | 108,000 | 135,000 | 162,000 |
| | Capacity (Rated) | Cooling | Btu/h | 69,000 | 92,000 | 114,000 | 138,000 |
| Heating | | Btu/h | 77,000 | 103,000 | 129,000 | 154,000 | |
| Power | MCA | A | 28 | 37.8 | 43 | 52.6 | |
| | MOP | A | 35 | 50 | 50 | 70 | |
| Compressor | Type | - | SSC Scroll x 1 | SSC Scroll x 2 | SSC Scroll x 2 | SSC Scroll x 2 | |
| | Output | kW x n | (4.96) | (4.96x2) | (4.96x2) | (4.96x2) | |
| | Model Name | - | DS-GB052FBVASG x 1 | DS-GB052FBVASG x 2 | DS-GB052FBVASG x 2 | DS-GB052FBVASG x 2 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| Initial Charge | | cc | 1100 | 2200 | 2200 | 2200 | |
| | | fl. oz. | 77.77 | 155.54 | 155.54 | 155.54 | |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | 400 x 1 | 620 x 2 | 620 x 2 | 620 x 2 | |
| | Air Flow Rate | CFM | 7,239.78 | 9,182.16 | 9,182.16 | 9,535.32 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 9.52 | 9.52 | 12.70 | 12.70 | |
| | | Ø, inch | 3/8 | 3/8 | 1/2 | 1/2 | |
| | Gas Pipe | Ø, mm | 19.05 | 22.22 | 28.58 | 28.58 | |
| | | Ø, inch | 3/4 | 7/8 | 1 1/8 | 1 1/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | 15.88 | 19.05 | 22.22 | 22.22 | |
| | | Ø, inch | 5/8 | 3/4 | 7/8 | 7/8 | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| | Max. Height | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 5.50 | 7.40 | 7.40 | 8.70 | |
| | | lbs | 12.13 | 16.31 | 16.31 | 19.18 | |
| Sound ²⁾ | Sound Pressure | dB(A) | 60.0 | 61.0 | 61.0 | 62.0 | |
| | Sound Power | | 81 | 81 | 81 | 83 | |
| External Dimension | Net Weight | kg | 190.0 | 278.0 | 278.0 | 293.0 | |
| | | lbs | 418.88 | 612.89 | 612.89 | 645.95 | |
| | Shipping Weight | kg | 206.0 | 300.0 | 300.0 | 312.0 | |
| | | lbs | 454.15 | 661.39 | 661.39 | 687.84 | |
| | Net Dimensions (WxHxD) | mm | 880 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | |
| | | inch | 34.65 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | |
| Shipping Dimensions (WxHxD) | mm | 948 x 1,912 x 832 | 1,363 x 1,912 x 832 | 1,363 x 1,912 x 832 | 1,363 x 1,912 x 832 | | |
| | inch | 37.32 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

DVM S HEAT RECOVERY (208~230V)



| Model Name | | | AM168FXVAFR/AA | AM192FXVAFR/AA | AM216FXVAFR/AA | AM240FXVAFR/AA | |
|-----------------------------|---------------------------------|---|---|---|---|-----------------------------|----------------|
| Power Supply | | | Ø, V, Hz | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 |
| Mode | | | - | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY |
| Performance | Ton | TON | 14.00 | 16.00 | 18.00 | 20.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 168,000 | 192,000 | 216,000 | 240,000 |
| | | Heating ¹⁾ | Btu/h | 189,000 | 216,000 | 243,000 | 270,000 |
| | Capacity (Rated) | Cooling | Btu/h | 161,000 | 183,000 | 207,000 | 228,000 |
| Heating | | Btu/h | 180,000 | 206,000 | 231,000 | 258,000 | |
| Power | MCA | A | 65.8 | 71 | 80.6 | 86 | |
| | MOP | A | 85 | 85 | 105 | 100 | |
| Compressor | Type | - | SSC Scroll x 3 | SSC Scroll x 3 | SSC Scroll x 3 | SSC Scroll x 4 | |
| | Output | kW x n | (4.96x2) + (4.96) | (4.96x2) + (4.96) | (4.96x2) + (4.96) | (4.96x2)x2 | |
| | Model Name | - | DS-GB052FBVASG x 3 | DS-GB052FBVASG x 3 | DS-GB052FBVASG x 3 | DS-GB052FBVASG x 4 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| Initial Charge | | cc | 3300 | 3300 | 3300 | 4400 | |
| | | fl. oz. | 233.32 | 233.32 | 233.32 | 311.09 | |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | 620 x 2 + 400 x 1 | 620 x 2 + 400 x 1 | 620 x 2 + 400 x 1 | (620 x 2) x 2 | |
| | Air Flow Rate | CFM | 9,182.16 + 7,239.78 | 9,182.16 + 7,239.78 | 9,535.32 + 7,239.78 | 9,182.16 x 2 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 15.88 | 15.88 | 15.88 | 15.88 | |
| | | Ø, inch | 5/8 | 5/8 | 5/8 | 5/8 | |
| | Gas Pipe | Ø, mm | 28.58 | 28.58 | 28.58 | 28.58 | |
| | | Ø, inch | 1 1/8 | 1 1/8 | 1 1/8 | 1 1/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | 22.22 | 28.58 | 28.58 | 28.58 | |
| | | Ø, inch | 7/8 | 1 1/8 | 1 1/8 | 1 1/8 | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| | Max. Height | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 12.90 | 12.90 | 14.20 | 14.80 | |
| | | lbs | 28.44 | 28.44 | 31.31 | 32.63 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | | - | - | - | - | |
| External Dimension | Net Weight | kg | 278.0 + 190.0 | 278.0 + 190.0 | 293.0 + 190.0 | 278.0 x 2 | |
| | | lbs | 612.89 + 418.88 | 612.89 + 418.88 | 645.95 + 418.88 | 612.89 x 2 | |
| | Shipping Weight | kg | 300.0 + 206.0 | 300.0 + 206.0 | 312.0 + 206.0 | 300.0 x 2 | |
| | | lbs | 661.39 + 454.15 | 661.39 + 454.15 | 687.84 + 454.15 | 661.39 x 2 | |
| | Net Dimensions (WxHxD) | mm | 1,295 x 1,695 x 765 + 880 x 1,695 x 765 | 1,295 x 1,695 x 765 + 880 x 1,695 x 765 | 1,295 x 1,695 x 765 + 880 x 1,695 x 765 | (1,295 x 1,695 x 765) x 2 | |
| | | inch | 50.98 x 66.73 x 30.12 + 34.65 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 + 34.65 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 + 34.65 x 66.73 x 30.12 | (50.98 x 66.73 x 30.12) x 2 | |
| Shipping Dimensions (WxHxD) | mm | 1,363 x 1,912 x 832 + 948 x 1,912 x 832 | 1,363 x 1,912 x 832 + 948 x 1,912 x 832 | 1,363 x 1,912 x 832 + 948 x 1,912 x 832 | (1,363 x 1,912 x 832) x 2 | | |
| | inch | 53.66 x 75.28 x 32.76 + 37.32 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 + 37.32 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 + 37.32 x 75.28 x 32.76 | (53.66 x 75.28 x 32.76) x 2 | | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

SPECIFICATIONS - OUTDOOR UNITS

OUTDOOR UNITS

DVM S HEAT RECOVERY (208~230V)



| Model Name | | | AM264FXVAFR/AA | AM288FXVAFR/AA | AM312FXVAFR/AA | AM336FXVAFR/AA | |
|-----------------------|---------------------------------|-----------------------|-----------------------------|-----------------------------|---|---|----------------|
| Power Supply | | | Ø, V, Hz | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 |
| Mode | | | - | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY |
| Performance | Ton | TON | 22.00 | 24.00 | 26.00 | 28.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 264,000 | 288,000 | 312,000 | 336,000 |
| | | Heating ¹⁾ | Btu/h | 297,000 | 324,000 | 351,000 | 378,000 |
| | Capacity (Rated) | Cooling | Btu/h | 252,000 | 276,000 | 299,000 | 321,000 |
| Heating | | Btu/h | 283,000 | 308,000 | 334,000 | 360,000 | |
| Power | MCA | A | 95.6 | 105.2 | 118.4 | 123.6 | |
| | MOP | A | 120 | 140 | 155 | 155 | |
| Compressor | Type | - | SSC Scroll x 4 | SSC Scroll x 4 | SSC Scroll x 5 | SSC Scroll x 5 | |
| | Output | kW × n | (4.96x2) + (4.96x2) | (4.96x2)x2 | (4.96x2) + (4.96x2) + (4.96) | (4.96x2) + (4.96x2) + (4.96) | |
| | Model Name | - | DS-GB052FBVASG x 4 | DS-GB052FBVASG x 4 | DS-GB052FBVASG x 5 | DS-GB052FBVASG x 5 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| Initial Charge | | cc | 4400 | 4400 | 5500 | 5500 | |
| | | fl. oz. | 311.09 | 311.09 | 388.86 | 388.86 | |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | (620 x 2) x 2 | (620 x 2) x 2 | (620 x 2) x 2 + 400 x 1 | (620 x 2) x 2 + 400 x 1 | |
| | Air Flow Rate | CFM | 9,182.16 + 9,535.32 | 9,535.32 x 2 | 9,182.16 + 9,535.32 + 7,239.78 | 9,182.16 + 9,535.32 + 7,239.78 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 19.05 | 19.05 | 19.05 | 19.05 | |
| | | Ø, inch | 3/4 | 3/4 | 3/4 | 3/4 | |
| | Gas Pipe | Ø, mm | 34.92 | 34.92 | 34.92 | 34.92 | |
| | | Ø, inch | 1 3/8 | 1 3/8 | 1 3/8 | 1 3/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | 28.58 | 28.58 | 28.58 | 28.58 | |
| | | Ø, inch | 1 1/8 | 1 1/8 | 1 1/8 | 1 1/8 | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| | Max. Height | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 16.10 | 17.40 | 21.60 | 21.60 | |
| | | lbs | 35.49 | 38.36 | 47.62 | 47.62 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | dB(A) | - | - | - | - | |
| External Dimension | Net Weight | kg | 278.0 + 293.0 | 293.0 x 2 | 278.0 + 293.0 + 190.0 | 278.0 + 293.0 + 190.0 | |
| | | lbs | 612.89 + 645.95 | 645.95 x 2 | 612.89 + 645.95 + 418.88 | 612.89 + 645.95 + 418.88 | |
| | Shipping Weight | kg | 300.0 + 312.0 | 312.0 x 2 | 300.0 + 312.0 + 206.0 | 300.0 + 312.0 + 206.0 | |
| | | lbs | 661.39 + 687.84 | 687.84 x 2 | 661.39 + 687.84 + 454.15 | 661.39 + 687.84 + 454.15 | |
| | 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 + 880 x 1,695 x 765 | (1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765 | |
| | | inch | (50.98 x 66.73 x 30.12) x 2 | (50.98 x 66.73 x 30.12) x 2 | (50.98 x 66.73 x 30.12) x 2 + 34.65 x 66.73 x 30.12 | (50.98 x 66.73 x 30.12) x 2 + 34.65 x 66.73 x 30.12 | |
| | Shipping Dimensions (WxHxD) | mm | (1,363 x 1,912 x 832) x 2 | (1,363 x 1,912 x 832) x 2 | (1,363 x 1,912 x 832) x 2 + 948 x 1,912 x 832 | (1,363 x 1,912 x 832) x 2 + 948 x 1,912 x 832 | |
| | | inch | (53.66 x 75.28 x 32.76) x 2 | (53.66 x 75.28 x 32.76) x 2 | (53.66 x 75.28 x 32.76) x 2 + 37.32 x 75.28 x 32.76 | (53.66 x 75.28 x 32.76) x 2 + 37.32 x 75.28 x 32.76 | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

DVM S HEAT RECOVERY (208~230V)



| Model Name | | | AM360FXVAFR/AA | AM384FXVAFR/AA | AM408FXVAFR/AA | AM432FXVAFR/AA | |
|-----------------------|---------------------------------|-----------------------|---|-----------------------------|-----------------------------|-----------------------------|----------------|
| Power Supply | | | Ø, V, Hz | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 | 3, 208-230, 60 |
| Mode | | | - | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY |
| Performance | Ton | TON | 30.00 | 32.00 | 34.00 | 36.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 360,000 | 384,000 | 408,000 | 432,000 |
| | | Heating ¹⁾ | Btu/h | 405,000 | 432,000 | 459,000 | 486,000 |
| | Capacity (Rated) | Cooling | Btu/h | 345000 | 366000 | 390000 | 414000 |
| Heating | | Btu/h | 385000 | 412000 | 437000 | 462000 | |
| Power | MCA | A | 133.2 | 138.6 | 148.2 | 157.8 | |
| | MOP | A | 175 | 170 | 190 | 210 | |
| Compressor | Type | - | SSC Scroll x 5 | SSC Scroll x 6 | SSC Scroll x 6 | SSC Scroll x 6 | |
| | Output | kW × n | (4.96x2)x2 + (4.96) | (4.96x2)x2 + (4.96x2) | (4.96x2) + (4.96x2)x2 | (4.96x2)x3 | |
| | Model Name | - | DS-GB052FBVASG x 5 | DS-GB052FBVASG x 6 | DS-GB052FBVASG x 6 | DS-GB052FBVASG x 6 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| Initial Charge | | cc | 5500 | 6600 | 6600 | 6600 | |
| | | fl. oz. | 388.86 | 466.63 | 466.63 | 466.63 | |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | (620 x 2) x 2 + 400 x 1 | (620 x 2) x 3 | (620 x 2) x 3 | (620 x 2) x 3 | |
| | Air Flow Rate | CFM | 9,535.32 x 2 + 7,239.78 | 9,182.16 x 2 + 9,535.32 | 9,182.16 + 9,535.32 x 2 | 9,535.32 x 3 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 19.05 | 19.05 | 19.05 | 19.05 | |
| | | Ø, inch | 3/4 | 3/4 | 3/4 | 3/4 | |
| | Gas Pipe | Ø, mm | 41.28 | 41.28 | 41.28 | 41.28 | |
| | | Ø, inch | 1 5/8 | 1 5/8 | 1 5/8 | 1 5/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | 34.92 | 34.92 | 34.92 | 34.92 | |
| | | Ø, inch | 1 3/8 | 1 3/8 | 1 3/8 | 1 3/8 | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| | Max. Height | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 22.90 | 23.50 | 24.80 | 26.10 | |
| | | lbs | 50.49 | 51.81 | 54.67 | 57.54 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | dB(A) | - | - | - | - | |
| External Dimension | Net Weight | kg | 293.0 x 2 + 190.0 | 278.0 x 2 + 293.0 | 278.0 + 293.0 x 2 | 293.0 x 3 | |
| | | lbs | 645.95 x 2 + 418.88 | 612.89 x 2 + 645.95 | 612.89 + 645.95 x 2 | 645.95 x 3 | |
| | Shipping Weight | kg | 312.0 x 2 + 206.0 | 300.0 x 2 + 312.0 | 300.0 + 312.0 x 2 | 312.0 x 3 | |
| | | lbs | 687.84 x 2 + 454.15 | 661.39 x 2 + 687.84 | 661.39 + 687.84 x 2 | 687.84 x 3 | |
| | Net Dimensions (WxHxD) | mm | (1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765 | (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 | |
| | | inch | (50.98 x 66.73 x 30.12) x 2 + 34.65 x 66.73 x 30.12 | (50.98 x 66.73 x 30.12) x 3 | (50.98 x 66.73 x 30.12) x 3 | (50.98 x 66.73 x 30.12) x 3 | |
| | Shipping Dimensions (WxHxD) | mm | (1,363 x 1,912 x 832) x 2 + 948 x 1,912 x 832 | (1,363 x 1,912 x 832) x 3 | (1,363 x 1,912 x 832) x 3 | (1,363 x 1,912 x 832) x 3 | |
| | | inch | (53.66 x 75.28 x 32.76) x 2 + 37.32 x 75.28 x 32.76 | (53.66 x 75.28 x 32.76) x 3 | (53.66 x 75.28 x 32.76) x 3 | (53.66 x 75.28 x 32.76) x 3 | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

SPECIFICATIONS - OUTDOOR UNITS

OUTDOOR UNITS

DVM S HEAT PUMP (460V)



| Model Name | | | AM072FXVAJH/AA | AM096FXVAJH/AA | AM120FXVAJH/AA | AM144FXVAJH/AA | |
|-----------------------------|---------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| Power Supply | | Ø, V, Hz | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | |
| Mode | | | HEAT PUMP | HEAT PUMP | HEAT PUMP | HEAT PUMP | |
| Performance | Ton | TON | 6.00 | 8.00 | 10.00 | 12.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 72,000 | 92,000 | 120,000 | 144,000 |
| | | Heating ¹⁾ | Btu/h | 81,000 | 108,000 | 135,000 | 162,000 |
| | Capacity (Rated) | Cooling | Btu/h | 69,000 | 92,000 | 114,000 | 138,000 |
| Heating | | Btu/h | 77,000 | 103,000 | 129,000 | 154,000 | |
| Power | MCA | A | 16.4 | 19 | 21.7 | 26.4 | |
| | MOP | A | 20 | 25 | 30 | 40 | |
| Compressor | Type | | SSC Scroll x 1 | SSC Scroll x 1 | SSC Scroll x 1 | SSC Scroll x 2 | |
| | Output | kW × n | (4.96) | (6.13) | (6.13) | (4.96x2) | |
| | Model Name | | DS-GB052FAVASG x 1 | DS-GB066FAVASG x 1 | DS-GB066FAVASG x 1 | DS-GB052FAVASG x 2 | |
| | Oil | Type | | PVE | PVE | PVE | PVE |
| | | Initial Charge | cc | 1100 | 1100 | 1100 | 2200 |
| | | fl. oz. | 77.77 | 77.77 | 77.77 | 155.54 | |
| Fan | Type | | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | 400 x 1 | 620 x 2 | 620 x 2 | 620 x 2 | |
| | Air Flow Rate | CFM | 7,239.78 | 9,182.16 | 9,182.16 | 9,535.32 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 9.52 | 9.52 | 12.70 | 12.70 | |
| | | Ø, inch | 3/8 | 3/8 | 1/2 | 1/2 | |
| | Gas Pipe | Ø, mm | 19.05 | 22.22 | 28.58 | 28.58 | |
| | | Ø, inch | 3/4 | 7/8 | 1 1/8 | 1 1/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | - | - | - | - | |
| | | Ø, inch | - | - | - | - | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| | Max. Height | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 5.50 | 7.40 | 7.40 | 8.70 | |
| | | lbs | 12.13 | 16.31 | 16.31 | 19.18 | |
| Sound ²⁾ | Sound Pressure | dB(A) | 60.0 | 61.0 | 61.0 | 62.0 | |
| | Sound Power | | 81 | 81 | 81 | 83 | |
| External Dimension | Net Weight | kg | 190.0 | 278.0 | 278.0 | 293.0 | |
| | | lbs | 418.88 | 612.89 | 612.89 | 645.95 | |
| | Shipping Weight | kg | 206.0 | 300.0 | 300.0 | 312.0 | |
| | | lbs | 454.15 | 661.39 | 661.39 | 687.84 | |
| | Net Dimensions (WxHxD) | mm | 880 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | |
| | | inch | 34.65 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | |
| Shipping Dimensions (WxHxD) | mm | 948 x 1,912 x 832 | 1,363 x 1,912 x 832 | 1,363 x 1,912 x 832 | 1,363 x 1,912 x 832 | | |
| | inch | 37.32 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

DVM S HEAT PUMP (460V)



| Model Name | | | AM168FXVAJH/AA | AM192FXVAJH/AA | AM216FXVAJH/AA | AM240FXVAJH/AA | |
|-----------------------------|---------------------------------|---|---|---|---|-----------------------------|----------|
| Power Supply | | Ø, V, Hz | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | |
| Mode | | | HEAT PUMP | HEAT PUMP | HEAT PUMP | HEAT PUMP | |
| Performance | Ton | TON | 13.67 | 16.00 | 18.00 | 20.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 164,000 | 192,000 | 216,000 | 240,000 |
| | | Heating ¹⁾ | Btu/h | 189,000 | 216,000 | 243,000 | 270,000 |
| | Capacity (Rated) | Cooling | Btu/h | 161000 | 183000 | 207000 | 228000 |
| Heating | | Btu/h | 180000 | 206000 | 231000 | 258000 | |
| Power | MCA | A | 35.4 | 38.1 | 42.8 | 43.4 | |
| | MOP | A | 60 | 50 | 60 | 60 | |
| Compressor | Type | | SSC Scroll x 2 | SSC Scroll x 2 | SSC Scroll x 3 | SSC Scroll x 2 | |
| | Output | kW × n | (4.96) + (6.13) | (4.96) + (6.13) | (4.96) + (4.96x2) | (6.13)x2 | |
| | Model Name | | DS-GB052FAVASG x 1 + DS-GB066FAVASG x 1 | DS-GB052FAVASG x 1 + DS-GB066FAVASG x 1 | DS-GB052FAVASG x 3 | DS-GB066FAVASG x 2 | |
| | Oil | Type | | PVE | PVE | PVE | PVE |
| | | Initial Charge | cc | 2200 | 2200 | 3300 | 2200 |
| | | fl. oz. | 155.54 | 155.54 | 233.32 | 155.54 | |
| Fan | Type | | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | 400 x 1 + 620 x 2 | 400 x 1 + 620 x 2 | 400 x 1 + 620 x 2 | (620 x 2) x 2 | |
| | Air Flow Rate | CFM | 7,239.78 + 9,182.16 | 7,239.78 + 9,182.16 | 7,239.78 + 9,535.32 | 9,182.16 x 2 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 15.88 | 15.88 | 15.88 | 15.88 | |
| | | Ø, inch | 5/8 | 5/8 | 5/8 | 5/8 | |
| | Gas Pipe | Ø, mm | 28.58 | 28.58 | 28.58 | 28.58 | |
| | | Ø, inch | 1 1/8 | 1 1/8 | 1 1/8 | 1 1/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | - | - | - | - | |
| | | Ø, inch | - | - | - | - | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| | Max. Height | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 12.90 | 12.90 | 14.20 | 14.80 | |
| | | lbs | 28.44 | 28.44 | 31.31 | 32.63 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | | - | - | - | - | |
| External Dimension | Net Weight | kg | 190.0 + 278.0 | 190.0 + 278.0 | 190.0 + 293.0 | 278.0 x 2 | |
| | | lbs | 418.88 + 612.89 | 418.88 + 612.89 | 418.88 + 645.95 | 612.89 x 2 | |
| | Shipping Weight | kg | 206.0 + 300.0 | 206.0 + 300.0 | 206.0 + 312.0 | 300.0 x 2 | |
| | | lbs | 454.15 + 661.39 | 454.15 + 661.39 | 454.15 + 687.84 | 661.39 x 2 | |
| | Net Dimensions (WxHxD) | mm | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 | (1,295 x 1,695 x 765) x 2 | |
| | | inch | 34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12 | 34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12 | 34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12 | (50.98 x 66.73 x 30.12) x 2 | |
| Shipping Dimensions (WxHxD) | mm | 948 x 1,912 x 832 + 1,363 x 1,912 x 832 | 948 x 1,912 x 832 + 1,363 x 1,912 x 832 | 948 x 1,912 x 832 + 1,363 x 1,912 x 832 | (1,363 x 1,912 x 832) x 2 | | |
| | inch | 37.32 x 75.28 x 32.76 + 53.66 x 75.28 x 32.76 | 37.32 x 75.28 x 32.76 + 53.66 x 75.28 x 32.76 | 37.32 x 75.28 x 32.76 + 53.66 x 75.28 x 32.76 | (53.66 x 75.28 x 32.76) x 2 | | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

SPECIFICATIONS - OUTDOOR UNITS

OUTDOOR UNITS

DVM S HEAT PUMP (460V)



| Model Name | | | AM264FXVAJH/AA | AM288FXVAJH/AA | AM312FXVAJH/AA | AM336FXVAJH/AA | |
|-----------------------|---------------------------------|-----------------------|---|-----------------------------|---|---|----------|
| Power Supply | | Ø, V, Hz | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | |
| Mode | | | HEAT PUMP | HEAT PUMP | HEAT PUMP | HEAT PUMP | |
| Performance | Ton | TON | 22.00 | 24.00 | 26.00 | 28.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 264,000 | 288,000 | 308,000 | 336,000 |
| | | Heating ¹⁾ | Btu/h | 297,000 | 324,000 | 351,000 | 378,000 |
| | Capacity (Rated) | Cooling | Btu/h | 252,000 | 276,000 | 299,000 | 321,000 |
| Heating | | Btu/h | 283,000 | 308,000 | 334,000 | 360,000 | |
| Power | MCA | A | 48.1 | 52.8 | 61.8 | 64.5 | |
| | MOP | A | 70 | 80 | 85 | 90 | |
| Compressor | Type | | SSC Scroll x 3 | SSC Scroll x 4 | SSC Scroll x 4 | SSC Scroll x 4 | |
| | Output | kW × n | (6.13) + (4.96x2) | (4.96x2)x2 | (4.96) + (6.13) + (4.96x2) | (4.96) + (6.13) + (4.96x2) | |
| | Model Name | | DS-GB066FAVASG x 1 + DS-GB052FAVASG x 2 | DS-GB052FAVASG x 4 | DS-GB052FAVASG x 3 + DS-GB066FAVASG x 1 | DS-GB052FAVASG x 3 + DS-GB066FAVASG x 1 | |
| | Oil | Type | | PVE | PVE | PVE | PVE |
| | | Initial Charge | cc | 3300 | 4400 | 4400 | 4400 |
| | | fl. oz. | 233.32 | 311.09 | 311.09 | 311.09 | |
| Fan | Type | | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | (620 x 2) x 2 | (620 x 2) x 2 | 400 x 1 + (620 x 2) x 2 | 400 x 1 + (620 x 2) x 2 | |
| | Air Flow Rate | CFM | 9,182.16 + 9,535.32 | 9,535.32 x 2 | 7,239.78 + 9,182.16 + 9,535.32 | 7,239.78 + 9,182.16 + 9,535.32 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 19.05 | 19.05 | 19.05 | 19.05 | |
| | | Ø, inch | 3/4 | 3/4 | 3/4 | 3/4 | |
| | Gas Pipe | Ø, mm | 34.92 | 34.92 | 34.92 | 34.92 | |
| | | Ø, inch | 1 3/8 | 1 3/8 | 1 3/8 | 1 3/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | - | - | - | - | |
| | | Ø, inch | - | - | - | - | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| Max. Height | | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 16.10 | 17.40 | 21.60 | 21.60 | |
| | | lbs | 35.49 | 38.36 | 47.62 | 47.62 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | | - | - | - | - | |
| External Dimension | Net Weight | kg | 278.0 + 293.0 | 293.0 x 2 | 190.0 + 278.0 + 293.0 | 190.0 + 278.0 + 293.0 | |
| | | lbs | 612.89 + 645.95 | 645.95 x 2 | 418.88 + 612.89 + 645.95 | 418.88 + 612.89 + 645.95 | |
| | Shipping Weight | kg | 300.0 + 312.0 | 312.0 x 2 | 206.0 + 300.0 + 312.0 | 206.0 + 300.0 + 312.0 | |
| | | lbs | 661.39 + 687.84 | 687.84 x 2 | 454.15 + 661.39 + 687.84 | 454.15 + 661.39 + 687.84 | |
| | Net Dimensions (WxHxD) | mm | (1,295 x 1,695 x 765) x 2 | (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | |
| | | inch | (50.98 x 66.73 x 30.12) x 2 | (50.98 x 66.73 x 30.12) x 2 | 34.65 x 66.73 x 30.12 + (50.98 x 66.73 x 30.12) x 2 | 34.65 x 66.73 x 30.12 + (50.98 x 66.73 x 30.12) x 2 | |
| | Shipping Dimensions (WxHxD) | mm | (1,363 x 1,912 x 832) x 2 | (1,363 x 1,912 x 832) x 2 | 948 x 1,912 x 832 + (1,363 x 1,912 x 832) x 2 | 948 x 1,912 x 832 + (1,363 x 1,912 x 832) x 2 | |
| | | inch | (53.66 x 75.28 x 32.76) x 2 | (53.66 x 75.28 x 32.76) x 2 | 37.32 x 75.28 x 32.76 + (53.66 x 75.28 x 32.76) x 2 | 37.32 x 75.28 x 32.76 + (53.66 x 75.28 x 32.76) x 2 | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

DVM S HEAT PUMP (460V)



| Model Name | | | AM360FXVAJH/AA | AM384FXVAJH/AA | AM408FXVAJH/AA | AM432FXVAJH/AA | |
|-----------------------|---------------------------------|-----------------------|---|---|---|-----------------------------|----------|
| Power Supply | | Ø, V, Hz | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | |
| Mode | | | HEAT PUMP | HEAT PUMP | HEAT PUMP | HEAT PUMP | |
| Performance | Ton | TON | 30.00 | 32.00 | 34.00 | 36.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 360,000 | 384,000 | 408,000 | 432,000 |
| | | Heating ¹⁾ | Btu/h | 405,000 | 432,000 | 459,000 | 486,000 |
| | Capacity (Rated) | Cooling | Btu/h | 345,000 | 366,000 | 390,000 | 414,000 |
| Heating | | Btu/h | 385,000 | 412,000 | 437,000 | 462,000 | |
| Power | MCA | A | 69.2 | 69.8 | 74.5 | 79.2 | |
| | MOP | A | 100 | 100 | 110 | 120 | |
| Compressor | Type | | SSC Scroll x 5 | SSC Scroll x 4 | SSC Scroll x 5 | SSC Scroll x 6 | |
| | Output | kW × n | (4.96) + (4.96x2)x2 | (6.13)x2 + (4.96x2) | (6.13) + (4.96x2)x2 | (4.96x2)x3 | |
| | Model Name | | DS-GB052FAVASG x 5 | DS-GB066FAVASG x 2 + DS-GB052FAVASG x 2 | DS-GB066FAVASG x 1 + DS-GB052FAVASG x 4 | DS-GB052FAVASG x 6 | |
| | Oil | Type | | PVE | PVE | PVE | PVE |
| | | Initial Charge | cc | 5500 | 4400 | 5500 | 6600 |
| | | fl. oz. | 388.86 | 311.09 | 388.86 | 466.63 | |
| Fan | Type | | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | 400 x 1 + (620 x 2) x 2 | (620 x 2) x 3 | (620 x 2) x 3 | (620 x 2) x 3 | |
| | Air Flow Rate | CFM | 7,239.78 + 9,535.32 x 2 | 9,182.16 x 2 + 9,535.32 | 9,182.16 + 9,535.32 x 2 | 9,535.32 x 3 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 19.05 | 19.05 | 19.05 | 19.05 | |
| | | Ø, inch | 3/4 | 3/4 | 3/4 | 3/4 | |
| | Gas Pipe | Ø, mm | 41.28 | 41.28 | 41.28 | 41.28 | |
| | | Ø, inch | 1 5/8 | 1 5/8 | 1 5/8 | 1 5/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | - | - | - | - | |
| | | Ø, inch | - | - | - | - | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| Max. Height | | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 22.90 | 23.50 | 24.80 | 26.10 | |
| | | lbs | 50.49 | 51.81 | 54.67 | 57.54 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | | - | - | - | - | |
| External Dimension | Net Weight | kg | 190.0 + 293.0 x 2 | 278.0 x 2 + 293.0 | 278.0 + 293.0 x 2 | 293.0 x 3 | |
| | | lbs | 418.88 + 645.95 x 2 | 612.89 x 2 + 645.95 | 612.89 + 645.95 x 2 | 645.95 x 3 | |
| | Shipping Weight | kg | 206.0 + 312.0 x 2 | 300.0 x 2 + 312.0 | 300.0 + 312.0 x 2 | 312.0 x 3 | |
| | | lbs | 454.15 + 687.84 x 2 | 661.39 x 2 + 687.84 | 661.39 + 687.84 x 2 | 687.84 x 3 | |
| | Net Dimensions (WxHxD) | mm | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 3 | |
| | | inch | 34.65 x 66.73 x 30.12 + (50.98 x 66.73 x 30.12) x 2 | (50.98 x 66.73 x 30.12) x 3 | (50.98 x 66.73 x 30.12) x 3 | (50.98 x 66.73 x 30.12) x 3 | |
| | Shipping Dimensions (WxHxD) | mm | 948 x 1,912 x 832 + (1,363 x 1,912 x 832) x 2 | (1,363 x 1,912 x 832) x 3 | (1,363 x 1,912 x 832) x 3 | (1,363 x 1,912 x 832) x 3 | |
| | | inch | 37.32 x 75.28 x 32.76 + (53.66 x 75.28 x 32.76) x 2 | (53.66 x 75.28 x 32.76) x 3 | (53.66 x 75.28 x 32.76) x 3 | (53.66 x 75.28 x 32.76) x 3 | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

SPECIFICATIONS - OUTDOOR UNITS

OUTDOOR UNITS

DVM S HEAT RECOVERY (460V)



| Model Name | | | AM072FXVAJR/AA | AM096FXVAJR/AA | AM120FXVAJR/AA | AM144FXVAJR/AA | |
|-----------------------------|---------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------|
| Power Supply | | | Ø, V, Hz | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 |
| Mode | | | - | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY |
| Performance | Ton | TON | 6.00 | 8.00 | 10.00 | 12.00 | |
| | | Capacity (Nominal) | 6.00 | 8.00 | 10.00 | 12.00 | |
| | Capacity (Rated) | Cooling ¹⁾ | Btu/h | 72,000 | 96,000 | 120,000 | 144,000 |
| | | Heating ¹⁾ | Btu/h | 81,000 | 108,000 | 135,000 | 162,000 |
| Power | MCA | A | 16.4 | 19 | 21.7 | 26.4 | |
| | MOP | A | 20 | 25 | 30 | 40 | |
| Compressor | Type | - | SSC Scroll x 1 | SSC Scroll x 1 | SSC Scroll x 1 | SSC Scroll x 2 | |
| | Output | kW × n | (4.96) | (6.13) | (6.13) | (4.96x2) | |
| | Model Name | - | DS-GB052FAVASG x 1 | DS-GB066FAVASG x 1 | DS-GB066FAVASG x 1 | DS-GB052FAVASG x 2 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| Fan | Oil | Initial Charge | cc | 1100 | 1100 | 1100 | 2200 |
| | | | fl. oz. | 77.77 | 77.77 | 77.77 | 155.54 |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | 400 x 1 | 620 x 2 | 620 x 2 | 620 x 2 | |
| | Air Flow Rate | CFM | 7,239.78 | 9,182.16 | 9,182.16 | 9,535.32 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| Piping Connections | Liquid Pipe | Ø, mm | 9.52 | 9.52 | 12.70 | 12.70 | |
| | | Ø, inch | 3/8 | 3/8 | 1/2 | 1/2 | |
| | Gas Pipe | Ø, mm | 19.05 | 22.22 | 28.58 | 28.58 | |
| | | Ø, inch | 3/4 | 7/8 | 1 1/8 | 1 1/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | 15.88 | 19.05 | 22.22 | 22.22 | |
| | | Ø, inch | 5/8 | 3/4 | 7/8 | 7/8 | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| | Max. Height | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 5.50 | 7.40 | 7.40 | 8.70 | |
| | | lbs | 12.13 | 16.31 | 16.31 | 19.18 | |
| Sound ²⁾ | Sound Pressure | dB(A) | 60.0 | 61.0 | 61.0 | 62.0 | |
| | Sound Power | | 81 | 81 | 81 | 83 | |
| External Dimension | Net Weight | kg | 190.0 | 278.0 | 284.0 | 299.0 | |
| | | lbs | 418.88 | 612.89 | 626.11 | 659.18 | |
| | Shipping Weight | kg | 206.0 | 300.0 | 303.0 | 318.0 | |
| | | lbs | 454.15 | 661.39 | 668.00 | 701.07 | |
| | Net Dimensions (WxHxD) | mm | 880 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | |
| | | inch | 34.65 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | 50.98 x 66.73 x 30.12 | |
| Shipping Dimensions (WxHxD) | mm | 948 x 1,912 x 832 | 1,363 x 1,912 x 832 | 1,363 x 1,912 x 832 | 1,363 x 1,912 x 832 | | |
| | inch | 37.32 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | 53.66 x 75.28 x 32.76 | | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

DVM S HEAT RECOVERY (460V)



| Model Name | | | AM168FXVAJR/AA | AM192FXVAJR/AA | AM216FXVAJR/AA | AM240FXVAJR/AA | |
|-----------------------------|---------------------------------|---|---|---|---|-----------------------------|---------------|
| Power Supply | | | Ø, V, Hz | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 |
| Mode | | | - | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY |
| Performance | Ton | TON | 14.00 | 16.00 | 18.00 | 20.00 | |
| | | Capacity (Nominal) | 14.00 | 16.00 | 18.00 | 20.00 | |
| | Capacity (Rated) | Cooling ¹⁾ | Btu/h | 168,000 | 192,000 | 216,000 | 240,000 |
| | | Heating ¹⁾ | Btu/h | 189,000 | 216,000 | 243,000 | 270,000 |
| Power | MCA | A | 35.4 | 38.1 | 42.8 | 43.4 | |
| | MOP | A | 60 | 50 | 60 | 60 | |
| Compressor | Type | - | SSC Scroll x 2 | SSC Scroll x 2 | SSC Scroll x 3 | SSC Scroll x 2 | |
| | Output | kW × n | (4.96) + (6.13) | (4.96) + (6.13) | (4.96) + (4.96x2) | (6.13)x2 | |
| | Model Name | - | DS-GB052FAVASG x 1 + DS-GB066FAVASG x 1 | DS-GB052FAVASG x 1 + DS-GB066FAVASG x 1 | DS-GB052FAVASG x 3 | DS-GB066FAVASG x 2 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| Fan | Oil | Initial Charge | cc | 2200 | 2200 | 3300 | 2200 |
| | | | fl. oz. | 155.54 | 155.54 | 233.32 | 155.54 |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | 400 x 1 + 620 x 2 | 400 x 1 + 620 x 2 | 400 x 1 + 620 x 2 | (620 x 2) x 2 | |
| | Air Flow Rate | CFM | 7,239.78 + 9,182.16 | 7,239.78 + 9,182.16 | 7,239.78 + 9,535.32 | 9,182.16 x 2 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| Piping Connections | Liquid Pipe | Ø, mm | 15.88 | 15.88 | 15.88 | 15.88 | |
| | | Ø, inch | 5/8 | 5/8 | 5/8 | 5/8 | |
| | Gas Pipe | Ø, mm | 28.58 | 28.58 | 28.58 | 28.58 | |
| | | Ø, inch | 1 1/8 | 1 1/8 | 1 1/8 | 1 1/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | 22.22 | 28.58 | 28.58 | 28.58 | |
| | | Ø, inch | 7/8 | 1 1/8 | 1 1/8 | 1 1/8 | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| | Max. Height | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 12.90 | 12.90 | 14.20 | 14.80 | |
| | | lbs | 28.44 | 28.44 | 31.31 | 32.63 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | | - | - | - | - | |
| External Dimension | Net Weight | kg | 190.0 + 278.0 | 190.0 + 284.0 | 190.0 + 299.0 | 284.0 x 2 | |
| | | lbs | 418.88 + 612.89 | 418.88 + 626.11 | 418.88 + 659.18 | 626.11 x 2 | |
| | Shipping Weight | kg | 206.0 + 300.0 | 206.0 + 303.0 | 206.0 + 318.0 | 303.0 x 2 | |
| | | lbs | 454.15 + 661.39 | 454.15 + 668.00 | 454.15 + 701.07 | 668.00 x 2 | |
| | Net Dimensions (WxHxD) | mm | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 | (1,295 x 1,695 x 765) x 2 | |
| | | inch | 34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12 | 34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12 | 34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12 | (50.98 x 66.73 x 30.12) x 2 | |
| Shipping Dimensions (WxHxD) | mm | 948 x 1,912 x 832 + 1,363 x 1,912 x 832 | 948 x 1,912 x 832 + 1,363 x 1,912 x 832 | 948 x 1,912 x 832 + 1,363 x 1,912 x 832 | (1,363 x 1,912 x 832) x 2 | | |
| | inch | 37.32 x 75.28 x 32.76 + 53.66 x 75.28 x 32.76 | 37.32 x 75.28 x 32.76 + 53.66 x 75.28 x 32.76 | 37.32 x 75.28 x 32.76 + 53.66 x 75.28 x 32.76 | (53.66 x 75.28 x 32.76) x 2 | | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

SPECIFICATIONS - OUTDOOR UNITS

OUTDOOR UNITS

DVM S HEAT RECOVERY (460V)



| Model Name | | | AM264FXVAJR/AA | AM288FXVAJR/AA | AM312FXVAJR/AA | AM336FXVAJR/AA | |
|-----------------------|---------------------------------|-----------------------|---------------------------------------|-----------------------------|---|---|----------|
| Power Supply | | Ø, V, Hz | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | |
| Mode | | | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY | |
| Performance | Ton | TON | 22.00 | 24.00 | 26.00 | 28.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 264,000 | 288,000 | 312,000 | 336,000 |
| | | Heating ¹⁾ | Btu/h | 297,000 | 324,000 | 351,000 | 378,000 |
| | Capacity (Rated) | Cooling | Btu/h | 252,000 | 276,000 | 299,000 | 321,000 |
| Heating | | Btu/h | 283,000 | 308,000 | 334,000 | 360,000 | |
| Power | MCA | A | 48.1 | 52.8 | 61.8 | 64.5 | |
| | MOP | A | 70 | 80 | 85 | 90 | |
| Compressor | Type | - | SSC Scroll x 3 | SSC Scroll x 4 | SSC Scroll x 4 | SSC Scroll x 4 | |
| | Output | kW x n | (6.13) + (4.96x2) | (4.96x2)x2 | (4.96) + (6.13) + (4.96x2) | (4.96) + (6.13) + (4.96x2) | |
| | Model Name | - | DS-GB066FAVAG x 1 + DS-GB052FAVAG x 2 | DS-GB052FAVAG x 4 | DS-GB052FAVAG x 3 + DS-GB066FAVAG x 1 | DS-GB052FAVAG x 3 + DS-GB066FAVAG x 1 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| | | Initial Charge | cc | 3300 | 4400 | 4400 | 4400 |
| | | fl. oz. | 233.32 | 311.09 | 311.09 | 311.09 | |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | (620 x 2) x 2 | (620 x 2) x 2 | 400 x 1 + (620 x 2) x 2 | 400 x 1 + (620 x 2) x 2 | |
| | Air Flow Rate | CFM | 9,182.16 + 9,535.32 | 9,535.32 x 2 | 7,239.78 + 9,182.16 + 9,535.32 | 7,239.78 + 9,182.16 + 9,535.32 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 19.05 | 19.05 | 19.05 | 19.05 | |
| | | Ø, inch | 3/4 | 3/4 | 3/4 | 3/4 | |
| | Gas Pipe | Ø, mm | 34.92 | 34.92 | 34.92 | 34.92 | |
| | | Ø, inch | 1 3/8 | 1 3/8 | 1 3/8 | 1 3/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | 28.58 | 28.58 | 28.58 | 28.58 | |
| | | Ø, inch | 1 1/8 | 1 1/8 | 1 1/8 | 1 1/8 | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| Max. Height | | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 16.10 | 17.40 | 21.60 | 21.60 | |
| | | lbs | 35.49 | 38.36 | 47.62 | 47.62 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | dB(A) | - | - | - | - | |
| External Dimension | Net Weight | kg | 284.0 + 299.0 | 299.0 x 2 | 190.0 + 278.0 + 299.0 | 190.0 + 284.0 + 299.0 | |
| | | lbs | 626.11 + 659.18 | 659.18 x 2 | 418.88 + 612.89 + 659.18 | 418.88 + 626.11 + 659.18 | |
| | Shipping Weight | kg | 303.0 + 318.0 | 318.0 x 2 | 206.0 + 300.0 + 318.0 | 206.0 + 303.0 + 318.0 | |
| | | lbs | 668.00 + 701.07 | 701.07 x 2 | 454.15 + 661.39 + 701.07 | 454.15 + 668.00 + 701.07 | |
| | Net Dimensions (WxHxD) | mm | (1,295 x 1,695 x 765) x 2 | (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | |
| | | inch | (50.98 x 66.73 x 30.12) x 2 | (50.98 x 66.73 x 30.12) x 2 | 34.65 x 66.73 x 30.12 + (50.98 x 66.73 x 30.12) x 2 | 34.65 x 66.73 x 30.12 + (50.98 x 66.73 x 30.12) x 2 | |
| | Shipping Dimensions (WxHxD) | mm | (1,363 x 1,912 x 832) x 2 | (1,363 x 1,912 x 832) x 2 | 948 x 1,912 x 832 + (1,363 x 1,912 x 832) x 2 | 948 x 1,912 x 832 + (1,363 x 1,912 x 832) x 2 | |
| | | inch | (53.66 x 75.28 x 32.76) x 2 | (53.66 x 75.28 x 32.76) x 2 | 37.32 x 75.28 x 32.76 + (53.66 x 75.28 x 32.76) x 2 | 37.32 x 75.28 x 32.76 + (53.66 x 75.28 x 32.76) x 2 | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

DVM S HEAT RECOVERY (460V)



| Model Name | | | AM360FXVAJR/AA | AM384FXVAJR/AA | AM408FXVAJR/AA | AM432FXVAJR/AA | |
|-----------------------|---------------------------------|-----------------------|---|---------------------------------------|---------------------------------------|-----------------------------|----------|
| Power Supply | | Ø, V, Hz | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | 3, 460, 60 | |
| Mode | | | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY | HEAT RECOVERY | |
| Performance | Ton | TON | 30.00 | 32.00 | 34.00 | 36.00 | |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 360,000 | 384,000 | 408,000 | 432,000 |
| | | Heating ¹⁾ | Btu/h | 405,000 | 432,000 | 459,000 | 486,000 |
| | Capacity (Rated) | Cooling | Btu/h | 345,000 | 366,000 | 390,000 | 414,000 |
| Heating | | Btu/h | 385,000 | 412,000 | 437,000 | 462,000 | |
| Power | MCA | A | 69.2 | 69.8 | 74.5 | 79.2 | |
| | MOP | A | 100 | 100 | 110 | 120 | |
| Compressor | Type | - | SSC Scroll x 5 | SSC Scroll x 4 | SSC Scroll x 5 | SSC Scroll x 6 | |
| | Output | kW x n | (4.96) + (4.96x2)x2 | (6.13)x2 + (4.96x2) | (6.13) + (4.96x2)x2 | (4.96x2)x3 | |
| | Model Name | - | DS-GB052FAVAG x 5 | DS-GB066FAVAG x 2 + DS-GB052FAVAG x 2 | DS-GB066FAVAG x 1 + DS-GB052FAVAG x 4 | DS-GB052FAVAG x 6 | |
| | Oil | Type | - | PVE | PVE | PVE | PVE |
| | | Initial Charge | cc | 5500 | 4400 | 5500 | 6600 |
| | | fl. oz. | 388.86 | 311.09 | 388.86 | 466.63 | |
| Fan | Type | - | Propeller | Propeller | Propeller | Propeller | |
| | Output x n | W | 400 x 1 + (620 x 2) x 2 | (620 x 2) x 3 | (620 x 2) x 3 | (620 x 2) x 3 | |
| | Air Flow Rate | CFM | 7,239.78 + 9,535.32 x 2 | 9,182.16 x 2 + 9,535.32 | 9,182.16 + 9,535.32 x 2 | 9,535.32 x 3 | |
| | External Static Pressure | Max. | mmAq | 8.00 | 8.00 | 8.00 | 8.00 |
| In Wg | | | 0.31 | 0.31 | 0.31 | 0.31 | |
| Piping Connections | Liquid Pipe | Ø, mm | 19.05 | 19.05 | 19.05 | 19.05 | |
| | | Ø, inch | 3/4 | 3/4 | 3/4 | 3/4 | |
| | Gas Pipe | Ø, mm | 41.28 | 41.28 | 41.28 | 41.28 | |
| | | Ø, inch | 1 5/8 | 1 5/8 | 1 5/8 | 1 5/8 | |
| | High Pressure Gas Pipe (for HR) | Ø, mm | 34.92 | 34.92 | 34.92 | 34.92 | |
| | | Ø, inch | 1 3/8 | 1 3/8 | 1 3/8 | 1 3/8 | |
| | Installation Limitation | Max. Length | m | 200(220) | 200(220) | 200(220) | 200(220) |
| | | | ft | 656(722) | 656(722) | 656(722) | 656(722) |
| Max. Height | | m | 110(40) | 110(40) | 110(40) | 110(40) | |
| | | ft | 361(131) | 361(131) | 361(131) | 361(131) | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Factory Charging | kg | 22.90 | 23.50 | 24.80 | 26.10 | |
| | | lbs | 50.49 | 51.81 | 54.67 | 57.54 | |
| Sound ²⁾ | Sound Pressure | dB(A) | - | - | - | - | |
| | Sound Power | dB(A) | - | - | - | - | |
| External Dimension | Net Weight | kg | 190.0 + 299.0 x 2 | 284.0 x 2 + 299.0 | 284.0 + 299.0 x 2 | 299.0 x 3 | |
| | | lbs | 418.88 + 659.18 x 2 | 626.11 x 2 + 659.18 | 626.11 + 659.18 x 2 | 659.18 x 3 | |
| | Shipping Weight | kg | 206.0 + 318.0 x 2 | 303.0 x 2 + 318.0 | 303.0 + 318.0 x 2 | 318.0 x 3 | |
| | | lbs | 454.15 + 701.07 x 2 | 668.00 x 2 + 701.07 | 668.00 + 701.07 x 2 | 701.07 x 3 | |
| | Net Dimensions (WxHxD) | mm | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 3 | |
| | | inch | 34.65 x 66.73 x 30.12 + (50.98 x 66.73 x 30.12) x 2 | (50.98 x 66.73 x 30.12) x 3 | (50.98 x 66.73 x 30.12) x 3 | (50.98 x 66.73 x 30.12) x 3 | |
| | Shipping Dimensions (WxHxD) | mm | 948 x 1,912 x 832 + (1,363 x 1,912 x 832) x 2 | (1,363 x 1,912 x 832) x 3 | (1,363 x 1,912 x 832) x 3 | (1,363 x 1,912 x 832) x 3 | |
| | | inch | 37.32 x 75.28 x 32.76 + (53.66 x 75.28 x 32.76) x 2 | (53.66 x 75.28 x 32.76) x 3 | (53.66 x 75.28 x 32.76) x 3 | (53.66 x 75.28 x 32.76) x 3 | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | 23.0 ~ 120.0 | |
| | Heating | °F | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | -4.0 ~ 75.0 | |

1) Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
 2) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
 3) Specifications are subject to change without prior notice for product improvement.

SPECIFICATIONS - OUTDOOR UNITS

SPECIFICATIONS - INDOOR UNITS

DVM S ECO (Mini DVM)



| Model Name | | | AM036FXMDCH/AA | AM048FXMDCH/AA | AM053FXMDCH/AA |
|-----------------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Power Supply | | | Ø, #, V, Hz | | |
| Mode | | | - | | |
| Performance | | | HEAT PUMP | | |
| Capacity (Nominal) | Ton | TON | 3 | 4 | 5 |
| | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 38,000 | 48,000 |
| Power Input (Nominal) | MCA | MOP | kW | Cooling ¹⁾ | 3.10 |
| | | | | Heating ¹⁾ | 3.40 |
| COP | EER (Nominal Cooling) | | - | 3.59 | 3.35 |
| | EER (Nominal Cooling, US) | | Btu/Wh | 12.3 | 11.4 |
| | COP (Nominal Heating) | | - | 3.62 | 3.60 |
| | EER (system) ²⁾ | | Btu/Wh | 11.2 | 10.2 |
| | COP (system) ²⁾ | | - | 3 | 3 |
| | SEER ²⁾ | | - | 16 | 16 |
| | HSPF ²⁾ | | - | 8.6 | 9.4 |
| Compressor | Type | | - | Twin BLDC Rotary x 1 | Twin BLDC Rotary x 1 |
| | Output | | kW x n | 4.12 | 4.12 |
| | Model Name | | - | UG5T450FUEJXSG x 1 | UG5T450FUEJXSG x 1 |
| | Oil | Type | - | POE | POE |
| Initial Charge | | cc | 1700 | 1700 | |
| Fan | Type | | - | Propeller / BLDC | Propeller / BLDC |
| | Output x n | | W | 125 x 2 | 125 x 2 |
| | Air Flow Rate | | CFM | 3,884.76 | 3,884.76 |
| Piping Connections | Liquid Pipe | | Ø, mm | 9.52 | 9.52 |
| | | | Ø, inch | 3/8" | 3/8" |
| | Gas Pipe | | Ø, mm | 15.88 | 15.88 |
| | | | Ø, inch | 5/8" | 5/8" |
| | Installation Limitation | Max. Length | m | 150(175) | 150(175) |
| | | | ft | 492(574) | 492(574) |
| | Max. Height | m | 50(40) | 50(40) | |
| | | ft | 164(131) | 164(131) | |
| Refrigerant | Type | | - | R410A | R410A |
| | Factory Charging | | kg | 3.20 | 3.20 |
| | | | lbs | 7.05 | 7.05 |
| Sound ³⁾ | Sound Pressure | | dB(A) | 50.0 | 51.0 |
| External Dimension | Net Weight | | kg | 100.0 | 100.0 |
| | | | lbs | 220.46 | 220.46 |
| | Shipping Weight | | kg | 105.0 | 105.0 |
| | | | lbs | 231.49 | 231.49 |
| | Net Dimensions (WxHxD) | | mm | 940 x 1,210 x 330 | 940 x 1,210 x 330 |
| | | | inch | 37.01 x 47.64 x 12.99 | 37.01 x 47.64 x 12.99 |
| Shipping Dimensions (WxHxD) | | mm | 995 x 1,368 x 426 | 995 x 1,368 x 426 | |
| | | inch | 39.17 x 53.86 x 16.77 | 39.17 x 53.86 x 16.77 | |
| Operating Temp. Range | Cooling | °F | 23.0 ~ 118.0 | 23.0 ~ 118.0 | |
| | Heating | °F | -4.0 ~ 66.0 | -4.0 ~ 66.0 | |

- Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
- Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
- Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Certified performance under Unitary Small HP AHRI Standard 210/240.
- Combination Indoor units : Ducted indoor units.
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

4 WAY CASSETTE



| Model | | | AM009FN4DCH/AA | AM018FN4DCH/AA | AM024FN4DCH/AA |
|-----------------------------|------------------------------|------------------------------------|----------------------|-----------------------|-----------------------|
| Power Supply | | | Ø, V, Hz | | |
| Mode | | | - | | |
| Performance | | | HP/HR | | |
| Capacity (Nominal) | Cooling ¹⁾ | Heating ¹⁾ | Btu/h | 9,000 | 18,000 |
| | | | US RT | 0.75 | 1.50 |
| Power Input (Nominal) | MCA | MOP | kW | Cooling ¹⁾ | 32.00 |
| | | | | Heating ¹⁾ | 32.00 |
| Current Input (Nominal) | Type | Output x n | W | Cooling ¹⁾ | 0.25 |
| | | | | Heating ¹⁾ | 0.25 |
| Fan | Type | | - | Turbo Fan | Turbo Fan |
| | Air Flow Rate | | H/M/L (UL) | CFM | 547.40/494.42/423.79 |
| | External Pressure | | Min / Std / Max | Pa | - |
| Piping Connections | Liquid Pipe | | Ø, mm | 6.35 | 6.35 |
| | | | Ø, inch | 1/4 | 1/4 |
| | Gas Pipe | | Ø, mm | 12.70 | 12.70 |
| | | | Ø, inch | 1/2 | 1/2 |
| Drain Pipe | Type | | - | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) |
| | Control Method | | - | EEV INCLUDED | EEV INCLUDED |
| Refrigerant | Type | | - | R410A | R410A |
| | Control Method | | - | EEV INCLUDED | EEV INCLUDED |
| Sound | Sound Pressure ²⁾ | | High / Mid / Low | dBA | 34.0/33.0/31.0 |
| | Net Weight | | kg | 15.00 | 15.00 |
| Dimensions | Shipping Weight | | lbs | 33.07 | 33.07 |
| | | | kg | 18.50 | 18.50 |
| | Net Dimensions (WxHxD) | | mm | 840 x 204 x 840 | 840 x 204 x 840 |
| | | | inch | 33.07 x 8.03 x 33.07 | 33.07 x 8.03 x 33.07 |
| | Shipping Dimensions (WxHxD) | | mm | 898 x 275 x 898 | 898 x 275 x 898 |
| | | | inch | 35.35 x 10.83 x 35.35 | 35.35 x 10.83 x 35.35 |
| Panel Size | Panel model | | model name | PC4NUSKFN | PC4NUSKFN |
| | Panel Net Weight | | kg | 5.80 | 5.80 |
| | | | lbs | 12.79 | 12.79 |
| | Shipping Weight | | kg | 8.40 | 8.40 |
| | | | lbs | 18.52 | 18.52 |
| | Net Dimensions (WxHxD) | | mm | 950 x 45 x 950 | 950 x 45 x 950 |
| | | inch | 37.40 x 1.77 x 37.40 | 37.40 x 1.77 x 37.40 | |
| Shipping Dimensions (WxHxD) | | mm | 1005 x 100 x 1005 | 1005 x 100 x 1005 | |
| | | inch | 39.57 x 3.94 x 39.57 | 39.57 x 3.94 x 39.57 | |
| Additional Accessories | Drain pump | Drain pump | model name | Built-in | Built-in |
| | | Max. lifting Height / Displacement | mm/liter/h | 750 / 24 | 750 / 24 |
| Air Filter | | - | - | Long life filter | Long life filter |

- Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
- Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
- Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



SPECIFICATIONS - INDOOR UNITS

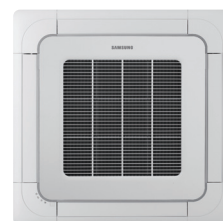
➤ INDOOR UNITS

4 WAY CASSETTE



| Model | | | | AM030FN4DCH/AA | AM036FN4DCH/AA | AM048FN4DCH/AA |
|-----------------------------|------------------------------|------------------------------------|-----------------------|-----------------------|-----------------------|------------------------|
| Power Supply | | Ø, V, Hz | | 1,208-230,60 | 1,208-230,60 | 1,208-230,60 |
| Mode | | | | HP/HR | HP/HR | HP/HR |
| Performance | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 30,000 | 36,000 | 48,000 |
| | | | US RT | 2.50 | 3.00 | 4.00 |
| | | Heating ¹⁾ | Btu/h | 34,000 | 40,000 | 54,000 |
| | | | US RT | 2.83 | 3.33 | 4.50 |
| Power | Power Input (Nominal) | Cooling ¹⁾ | W | 65.00 | 75.00 | 95.00 |
| | | Heating ¹⁾ | W | 65.00 | 75.00 | 95.00 |
| | Current Input (Nominal) | Cooling ¹⁾ | A | 0.50 | 0.56 | 0.75 |
| | | Heating ¹⁾ | A | 0.50 | 0.56 | 0.75 |
| Fan | Motor | Type | - | Turbo Fan | Turbo Fan | Turbo Fan |
| | | Output x n | W | 97 x 1 | 97 x 1 | 97 x 1 |
| | Air Flow Rate | H/M/L (UL) | CFM | 776.95/688.66/600.37 | 847.58/776.95/706.32 | 1,024.16/953.53/847.58 |
| | External Pressure | Min / Std / Max | Pa | - | - | - |
| Piping Connections | Liquid Pipe | Ø, mm | 9.52 | 9.52 | 9.52 | |
| | | Ø, inch | 3/8 | 3/8 | 3/8 | |
| | Gas Pipe | Ø, mm | 15.88 | 15.88 | 15.88 | |
| | | Ø, inch | 5/8 | 5/8 | 5/8 | |
| Drain Pipe | Ø, mm | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | | |
| Refrigerant | Type | - | R410A | R410A | R410A | |
| | Control Method | - | EEV INCLUDED | EEV INCLUDED | EEV INCLUDED | |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 39.0/34.0/30.0 | 40.0/37.0/33.0 | 44.0/42.0/39.0 |
| | | | | | | |
| Dimensions | Net Weight | kg | 18.50 | 18.50 | 18.50 | |
| | | lbs | 40.79 | 40.79 | 40.79 | |
| | Shipping Weight | kg | 23.00 | 23.00 | 23.00 | |
| | | lbs | 50.71 | 50.71 | 50.71 | |
| | Net Dimensions (WxHxD) | mm | 840 x 288 x 840 | 840 x 288 x 840 | 840 x 288 x 840 | |
| | | inch | 33.07 x 11.34 x 33.07 | 33.07 x 11.34 x 33.07 | 33.07 x 11.34 x 33.07 | |
| | Shipping Dimensions (WxHxD) | mm | 898 x 357 x 898 | 898 x 357 x 898 | 898 x 357 x 898 | |
| | | inch | 35.35 x 14.06 x 35.35 | 35.35 x 14.06 x 35.35 | 35.35 x 14.06 x 35.35 | |
| Panel Size | Panel model | model name | PC4NUSKFN | PC4NUSKFN | PC4NUSKFN | |
| | | | | | | |
| | Panel Net Weight | kg | 5.80 | 5.80 | 5.80 | |
| | | lbs | 12.79 | 12.79 | 12.79 | |
| | Shipping Weight | kg | 8.40 | 8.40 | 8.40 | |
| | | lbs | 18.52 | 18.52 | 18.52 | |
| | Net Dimensions (WxHxD) | mm | 950 x 45 x 950 | 950 x 45 x 950 | 950 x 45 x 950 | |
| | | inch | 37.40 x 1.77 x 37.40 | 37.40 x 1.77 x 37.40 | 37.40 x 1.77 x 37.40 | |
| Shipping Dimensions (WxHxD) | mm | 1005 x 100 x 1005 | 1005 x 100 x 1005 | 1005 x 100 x 1005 | | |
| | inch | 39.57 x 3.94 x 39.57 | 39.57 x 3.94 x 39.57 | 39.57 x 3.94 x 39.57 | | |
| Additional Accessories | Drain pump | Drain pump model name | Built-in | Built-in | Built-in | |
| | | Max. lifting Height / Displacement | mm/liter/h | 750 / 24 | 750 / 24 | 750 / 24 |
| | Air Filter | - | Long life filter | Long life filter | Long life filter | |

- Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



MINI 4 WAY CASSETTE



| Model | | | | AM009FNNDCH/AA | AM012FNNDCH/AA |
|-----------------------------|------------------------------|------------------------------------|-----------------------|-----------------------|----------------------|
| Power Supply | | Ø, V, Hz | | 1,208-230,60 | 1,208-230,60 |
| Mode | | | | HP/HR | HP/HR |
| Performance | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 9,500 | 12,000 |
| | | | US RT | 0.79 | 1.00 |
| | | Heating ¹⁾ | Btu/h | 10,500 | 13,500 |
| | | | US RT | 0.88 | 1.12 |
| Power | Power Input (Nominal) | Cooling ¹⁾ | W | 24.00 | 28.00 |
| | | Heating ¹⁾ | W | 24.00 | 28.00 |
| | Current Input (Nominal) | Cooling ¹⁾ | A | 0.17 | 0.19 |
| | | Heating ¹⁾ | A | 0.17 | 0.19 |
| Fan | Motor | Type | - | Turbo Fan | Turbo Fan |
| | | Output x n | W | 65 x 1 | 65 x 1 |
| | Air Flow Rate | H/M/L (UL) | CFM | 353.16/300.19/264.87 | 370.82/335.50/282.53 |
| | External Pressure | Min / Std / Max | Pa | - | - |
| Piping Connections | Liquid Pipe | Ø, mm | 6.35 | 6.35 | |
| | | Ø, inch | 1/4 | 1/4 | |
| | Gas Pipe | Ø, mm | 12.70 | 12.70 | |
| | | Ø, inch | 1/2 | 1/2 | |
| Drain Pipe | Ø, mm | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | | |
| Refrigerant | Type | - | R410A | R410A | |
| | Control Method | - | EEV INCLUDED | EEV INCLUDED | |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 34.0/30.0/26.0 | 36.0/34.0/31.0 |
| | | | | | |
| Dimensions | Net Weight | kg | 12.00 | 12.00 | |
| | | lbs | 26.46 | 26.46 | |
| | Shipping Weight | kg | 14.00 | 14.00 | |
| | | lbs | 30.86 | 30.86 | |
| | Net Dimensions (WxHxD) | mm | 575 x 250 x 575 | 575 x 250 x 575 | |
| | | inch | 22.64 x 9.84 x 22.64 | 22.64 x 9.84 x 22.64 | |
| | Shipping Dimensions (WxHxD) | mm | 623 x 298 x 653 | 623 x 298 x 653 | |
| | | inch | 24.53 x 11.73 x 25.71 | 24.53 x 11.73 x 25.71 | |
| Panel Size | Panel model | model name | PC4SUSMEN | PC4SUSMEN | |
| | | | | | |
| | Panel Net Weight | kg | 2.70 | 2.70 | |
| | | lbs | 5.95 | 5.95 | |
| | Shipping Weight | kg | 4.20 | 4.20 | |
| | | lbs | 9.26 | 9.26 | |
| | Net Dimensions (WxHxD) | mm | 670 x 45 x 670 | 670 x 45 x 670 | |
| | | inch | 26.38 x 1.77 x 26.38 | 26.38 x 1.77 x 26.38 | |
| Shipping Dimensions (WxHxD) | mm | 714 x 106 x 724 | 714 x 106 x 724 | | |
| | inch | 28.11 x 4.17 x 28.50 | 28.11 x 4.17 x 28.50 | | |
| Additional Accessories | Drain pump | Drain pump model name | Built-in | Built-in | |
| | | Max. lifting Height / Displacement | mm/liter/h | 750 / 24 | 750 / 24 |
| | Air Filter | - | Long life filter | Long life filter | |

- Nominal Capacity are based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



SPECIFICATIONS

SPECIFICATIONS

SPECIFICATIONS - INDOOR UNITS

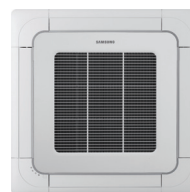
► INDOOR UNITS

MINI 4 WAY CASSETTE



| Model | | | | AMO18FNNDCH/AA | AMO20FNNDCH/AA |
|-----------------------------|------------------------------|------------------------------------|----------------------|-----------------------|-----------------------|
| Power Supply | | Ø, V, Hz | | 1,208-230,60 | 1,208-230,60 |
| Mode | | | | HP/HR | HP/HR |
| Performance | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 18,000 | 20,000 |
| | | | US RT | 1.50 | 1.67 |
| | | Heating ¹⁾ | Btu/h | 20,000 | 23,000 |
| | | | US RT | 1.67 | 1.92 |
| Power | Power Input (Nominal) | Cooling ¹⁾ | W | 36.00 | 38.00 |
| | | Heating ¹⁾ | W | 36.00 | 38.00 |
| | Current Input (Nominal) | Cooling ¹⁾ | A | 0.27 | 0.30 |
| | | Heating ¹⁾ | A | 0.27 | 0.30 |
| Fan | Motor | Type | | Turbo Fan | Turbo Fan |
| | | Output x n | W | 65 x 1 | 65 x 1 |
| | Air Flow Rate | H/M/L (UL) | CFM | 459.11/388.48/335.50 | 476.77/423.79/360.22 |
| | External Pressure | Min / Std / Max | Pa | - | - |
| Piping Connections | Liquid Pipe | Ø, mm | | 6.35 | 6.35 |
| | | Ø, inch | | 1/4 | 1/4 |
| | Gas Pipe | Ø, mm | | 12.70 | 12.70 |
| | | Ø, inch | | 1/2 | 1/2 |
| Drain Pipe | Ø, mm | | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | |
| Refrigerant | Type | | | R410A | R410A |
| | Control Method | | | EEV INCLUDED | EEV INCLUDED |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 40.0/37.0/34.0 | 41.0/38.0/35.0 |
| | | | | | |
| Dimensions | Net Weight | kg | | 12.00 | 12.00 |
| | | lbs | | 26.46 | 26.46 |
| | Shipping Weight | kg | | 14.00 | 14.00 |
| | | lbs | | 30.86 | 30.86 |
| | Net Dimensions (WxHxD) | mm | | 575 x 250 x 575 | 575 x 250 x 575 |
| | | inch | | 22.64 x 9.84 x 22.64 | 22.64 x 9.84 x 22.64 |
| | Shipping Dimensions (WxHxD) | mm | | 623 x 298 x 653 | 623 x 298 x 653 |
| | | inch | | 24.53 x 11.73 x 25.71 | 24.53 x 11.73 x 25.71 |
| Panel Size | Panel model | model name | | PC4SUSMEN | PC4SUSMEN |
| | | | | | |
| | Panel Net Weight | kg | | 2.70 | 2.70 |
| | | lbs | | 5.95 | 5.95 |
| | Shipping Weight | kg | | 4.20 | 4.20 |
| | | lbs | | 9.26 | 9.26 |
| | Net Dimensions (WxHxD) | mm | | 670 x 45 x 670 | 670 x 45 x 670 |
| | | inch | | 26.38 x 1.77 x 26.38 | 26.38 x 1.77 x 26.38 |
| Shipping Dimensions (WxHxD) | mm | | 714 x 106 x 724 | 714 x 106 x 724 | |
| | inch | | 28.11 x 4.17 x 28.50 | 28.11 x 4.17 x 28.50 | |
| Additional Accessories | Drain pump | Drain pump model name | | Built-in | Built-in |
| | | Max. lifting Height / Displacement | mm/liter/h | 750 / 24 | 750 / 24 |
| | Air Filter | | | Long life filter | Long life filter |

- Nominal Capacity are based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



1 WAY CASSETTE



| Model | | | | AM007FN1DCH/AA | AM009FN1DCH/AA | AM012FN1DCH/AA |
|-----------------------------|------------------------------|------------------------------------|----------------------|------------------------|------------------------|------------------------|
| Power Supply | | Ø, V, Hz | | 1,208-230,60 | 1,208-230,60 | 1,208-230,60 |
| Mode | | | | HP/HR | HP/HR | HP/HR |
| Performance | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 7,500 | 9,500 | 12,000 |
| | | | US RT | 0.63 | 0.79 | 1.00 |
| | | Heating ¹⁾ | Btu/h | 8,500 | 10,500 | 13,500 |
| | | | US RT | 0.71 | 0.88 | 1.12 |
| Power | Power Input (Nominal) | Cooling ¹⁾ | W | 40.00 | 45.00 | 50.00 |
| | | Heating ¹⁾ | W | 40.00 | 45.00 | 50.00 |
| | Current Input (Nominal) | Cooling ¹⁾ | A | 0.23 | 0.25 | 0.28 |
| | | Heating ¹⁾ | A | 0.23 | 0.25 | 0.28 |
| Fan | Motor | Type | | Crossflow Fan | Crossflow Fan | Crossflow Fan |
| | | Output x n | W | 20 x 1 | 20 x 1 | 20 x 1 |
| | Air Flow Rate | H/M/L (UL) | CFM | 247.21/211.90/176.58 | 247.21/211.90/176.58 | 282.53/247.21/211.90 |
| | External Pressure | Min / Std / Max | Pa | - | - | - |
| Piping Connections | Liquid Pipe | Ø, mm | | 6.35 | 6.35 | 6.35 |
| | | Ø, inch | | 1/4 | 1/4 | 1/4 |
| | Gas Pipe | Ø, mm | | 12.70 | 12.70 | 12.70 |
| | | Ø, inch | | 1/2 | 1/2 | 1/2 |
| Drain Pipe | Ø, mm | | VP20 (OD 26, ID 20) | VP20 (OD 26, ID 20) | VP20 (OD 26, ID 20) | |
| Refrigerant | Type | | | R410A | R410A | R410A |
| | Control Method | | | EEV INCLUDED | EEV INCLUDED | EEV INCLUDED |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 27.0/25.0/23.0 | 29.0/27.0/24.0 | 35.0/31.0/27.0 |
| | | | | | | |
| Dimensions | Net Weight | kg | | 10.50 | 10.50 | 10.50 |
| | | lbs | | 23.15 | 23.15 | 23.15 |
| | Shipping Weight | kg | | 13.00 | 13.00 | 13.00 |
| | | lbs | | 28.66 | 28.66 | 28.66 |
| | Net Dimensions (WxHxD) | mm | | 970 x 135 x 410 | 970 x 135 x 410 | 970 x 135 x 410 |
| | | inch | | 38.19 x 5.31 x 16.14 | 38.19 x 5.31 x 16.14 | 38.19 x 5.31 x 16.14 |
| | Shipping Dimensions (WxHxD) | mm | | 1164 x 212 x 478 | 1164 x 212 x 478 | 1164 x 212 x 478 |
| | | inch | | 45.83 x 8.35 x 18.82 | 45.83 x 8.35 x 18.82 | 45.83 x 8.35 x 18.82 |
| Panel Size | Panel model | model name | | PC1NUSMAN PC1NUPMAN | PC1NUSMAN PC1NUPMAN | PC1NUSMAN PC1NUPMAN |
| | | | | | | |
| | Panel Net Weight | kg | | 3.00 | 3.00 | 3.00 |
| | | lbs | | 6.61 | 6.61 | 6.61 |
| | Shipping Weight | kg | | 5.00 | 5.00 | 5.00 |
| | | lbs | | 11.02 | 11.02 | 11.02 |
| | Net Dimensions (WxHxD) | mm | | 1180 x 25 x 460 | 1180 x 25 x 460 | 1180 x 25 x 460 |
| | | inch | | 46.46 x 0.98 x 18.11 | 46.46 x 0.98 x 18.11 | 46.46 x 0.98 x 18.11 |
| Shipping Dimensions (WxHxD) | mm | | 1259 x 144 x 539 | 1259 x 144 x 539 | 1259 x 144 x 539 | |
| | inch | | 49.57 x 5.67 x 21.22 | 49.57 x 5.67 x 21.22 | 49.57 x 5.67 x 21.22 | |
| Additional Accessories | Drain pump | Drain pump model name | | Built-in | Built-in | Built-in |
| | | Max. lifting Height / Displacement | mm/liter/h | 750 / 24 | 750 / 24 | 750 / 24 |
| | Air Filter | | | Long life filter | Long life filter | Long life filter |

- Nominal Capacity are based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



SPECIFICATIONS - INDOOR UNITS

➤ INDOOR UNITS

HSP DUCT



| Model | | | | AM036FNHDCH/AA | AM048FNHDCH/AA | AM076FNHDCH/AA | AM096FNHDCH/AA |
|-----------------------------|------------------------------|------------------------------------|-----------------------|-----------------------|--------------------------|----------------------------|----------------------------|
| Power Supply | | Ø, V, Hz | | 1,208-230,60 | 1,208-230,60 | 1,208-230,60 | 1,208-230,60 |
| Mode | | | | HP/HR | HP/HR | HP/HR | HP/HR |
| Performance | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 36,000 | 48,000 | 76,800 | 96,000 |
| | | | US RT | 3.00 | 4.00 | 6.40 | 8.00 |
| | | Heating ¹⁾ | Btu/h | 40,000 | 54,000 | 85,200 | 108,000 |
| | | | US RT | 3.33 | 4.50 | 7.10 | 9.00 |
| Power | Power Input (Nominal) | Cooling ¹⁾ | W | 210.00 | 330.00 | 530.00 | 790.00 |
| | | Heating ¹⁾ | W | 210.00 | 330.00 | 530.00 | 790.00 |
| | Current Input (Nominal) | Cooling ¹⁾ | A | 1.47 | 2.38 | 3.80 | 5.90 |
| | | Heating ¹⁾ | A | 1.47 | 2.38 | 3.80 | 5.90 |
| Fan | Motor | Type | - | Sirocco Fan | Sirocco Fan | Sirocco Fan | Sirocco Fan |
| | | Output x n | W | 183 x 2 | 183 x 2 | 400 x 1 | 400 x 1 |
| | Air Flow Rate | H/M/L (UL) | CFM | 988.85/882.90/776.95 | 1,377.32/1,183.09/988.85 | 2,048.33/1,836.43/1,659.85 | 2,542.75/2,295.54/2,048.33 |
| | External Pressure | Min / Std / Max | Pa | 49.03/98.07/196.13 | 49.03/98.07/196.13 | 49.03/147.10/245.17 | 49.03/147.10/274.59 |
| | | in. Wg | 0.20/0.39/0.79 | 0.20/0.39/0.79 | 0.20/0.59/0.98 | 0.20/0.59/1.10 | |
| Piping Connections | Liquid Pipe | Ø, mm | 9.52 | 9.52 | 9.52 | 9.52 | |
| | | Ø, inch | 3/8 | 3/8 | 3/8 | 3/8 | |
| | Gas Pipe | Ø, mm | 15.88 | 15.88 | 19.05 | 22.22 | |
| | | Ø, inch | 5/8 | 5/8 | 3/4 | 7/8 | |
| Drain Pipe | Ø, mm | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Control Method | - | EEV INCLUDED | EEV INCLUDED | EEV INCLUDED | EEV INCLUDED | |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 40.0/39.0/37.0 | 44.0/42.0/40.0 | 45.0/43.0/41.0 | 48.0/46.0/43.0 |
| | | | kg | 62.00 | 62.00 | 89.00 | 89.00 |
| Dimensions | Net Weight | lbs | 136.69 | 136.69 | 196.21 | 196.21 | |
| | | Shipping Weight | kg | 70.00 | 70.00 | 99.00 | 99.00 |
| | | lbs | 154.32 | 154.32 | 218.26 | 218.26 | |
| | Net Dimensions (WxHxD) | mm | 1200 x 360 x 650 | 1200 x 360 x 650 | 1240 x 470 x 1040 | 1240 x 470 x 1040 | |
| | | inch | 47.24 x 14.17 x 25.59 | 47.24 x 14.17 x 25.59 | 48.82 x 18.50 x 40.94 | 48.82 x 18.50 x 40.94 | |
| | Shipping Dimensions (WxHxD) | mm | 1480 x 420 x 790 | 1480 x 420 x 790 | 1507 x 558 x 1155 | 1507 x 558 x 1155 | |
| inch | | 58.27 x 16.54 x 31.10 | 58.27 x 16.54 x 31.10 | 59.33 x 21.97 x 45.47 | 59.33 x 21.97 x 45.47 | | |
| Panel Size | Panel model | model name | - | - | - | - | |
| | | kg | - | - | - | - | |
| | Panel Net Weight | lbs | - | - | - | - | |
| | | Shipping Weight | kg | - | - | - | - |
| | | lbs | - | - | - | - | |
| | Net Dimensions (WxHxD) | mm | - | - | - | - | |
| inch | | - | - | - | - | | |
| Shipping Dimensions (WxHxD) | mm | - | - | - | - | | |
| | inch | - | - | - | - | | |
| Additional Accessories | Drain pump | Drain pump model name | MDP-M075SGU2D | MDP-M075SGU2D | MDP-N047SNC1D | MDP-N047SNC1D | |
| | | Max. lifting Height / Displacement | mm/liter/h | 750 / 24 | 750 / 24 | 750 / 24 | 750 / 24 |
| | Air Filter | - | Long life filter | Long life filter | Long life filter | Long life filter | |



- Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

MSP DUCT



| Model | | | | AM018FNMDCH/AA | AM024FNMDCH/AA | AM030FNMDCH/AA |
|-----------------------------|------------------------------|------------------------------------|-----------------------|-----------------------|-----------------------|----------------------|
| Power Supply | | Ø, V, Hz | | 1,208-230,60 | 1,208-230,60 | 1,208-230,60 |
| Mode | | | | HP/HR | HP/HR | HP/HR |
| Performance | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 18,000 | 24,000 | 30,000 |
| | | | US RT | 1.50 | 2.00 | 2.50 |
| | | Heating ¹⁾ | Btu/h | 20,000 | 27,000 | 34,000 |
| | | | US RT | 1.67 | 2.25 | 2.83 |
| Power | Power Input (Nominal) | Cooling ¹⁾ | W | 165.00 | 220.00 | 260.00 |
| | | Heating ¹⁾ | W | 165.00 | 220.00 | 260.00 |
| | Current Input (Nominal) | Cooling ¹⁾ | A | 1.40 | 1.50 | 1.50 |
| | | Heating ¹⁾ | A | 1.40 | 1.50 | 1.50 |
| Fan | Motor | Type | - | Sirocco Fan | Sirocco Fan | Sirocco Fan |
| | | Output x n | W | 124 x 1 | 124 x 1 | 180 x 1 |
| | Air Flow Rate | H/M/L (UL) | CFM | 512.08/459.11/406.13 | 653.35/600.37/547.40 | 882.90/812.27/706.32 |
| | External Pressure | Min / Std / Max | Pa | 0.00/39.23/78.45 | 0.00/39.23/78.45 | 58.84/78.45/98.07 |
| | | in. Wg | 0.00/0.16/0.31 | 0.00/0.16/0.31 | 0.24/0.31/0.39 | |
| Piping Connections | Liquid Pipe | Ø, mm | 6.35 | 9.52 | 9.52 | |
| | | Ø, inch | 1/4 | 3/8 | 3/8 | |
| | Gas Pipe | Ø, mm | 12.70 | 15.88 | 15.88 | |
| | | Ø, inch | 1/2 | 5/8 | 5/8 | |
| Drain Pipe | Ø, mm | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | | |
| Refrigerant | Type | - | R410A | R410A | R410A | |
| | Control Method | - | EEV INCLUDED | EEV INCLUDED | EEV INCLUDED | |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 35.0/33.0/31.0 | 39.0/35.0/31.0 | 40.0/37.0/34.0 |
| | | kg | 29.00 | 29.00 | 36.50 | |
| Dimensions | Net Weight | lbs | 63.93 | 63.93 | 80.47 | |
| | | Shipping Weight | kg | 33.00 | 33.00 | 40.50 |
| | | lbs | 72.75 | 72.75 | 89.29 | |
| | Net Dimensions (WxHxD) | mm | 900 x 260 x 480 | 900 x 260 x 480 | 1150 x 320 x 480 | |
| | | inch | 35.43 x 10.24 x 18.90 | 35.43 x 10.24 x 18.90 | 45.28 x 12.60 x 18.90 | |
| | Shipping Dimensions (WxHxD) | mm | 1170 x 340 x 595 | 1170 x 340 x 595 | 1420 x 400 x 595 | |
| inch | | 46.06 x 13.39 x 23.43 | 46.06 x 13.39 x 23.43 | 55.91 x 15.75 x 23.43 | | |
| Panel Size | Panel model | model name | - | - | - | |
| | | kg | - | - | - | |
| | Panel Net Weight | lbs | - | - | - | |
| | | Shipping Weight | kg | - | - | - |
| | | lbs | - | - | - | |
| | Net Dimensions (WxHxD) | mm | - | - | - | |
| inch | | - | - | - | | |
| Shipping Dimensions (WxHxD) | mm | - | - | - | | |
| | inch | - | - | - | | |
| Additional Accessories | Drain pump | Drain pump model name | MDP-M075SGU3D | MDP-M075SGU3D | MDP-M075SGU1D | |
| | | Max. lifting Height / Displacement | mm/liter/h | 750 / 24 | 750 / 24 | 750 / 24 |
| | Air Filter | - | Long life filter | Long life filter | Long life filter | |



- Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

SPECIFICATIONS - INDOOR UNITS

➤ INDOOR UNITS

MSP DUCT



| Model | | | | AM036FNMDCH/AA | AM048FNMDCH/AA |
|-----------------------------|------------------------------|------------------------------------|-----------------------|-----------------------|----------------------------|
| Power Supply | | Ø, V, Hz | | 1,208-230,60 | 1,208-230,60 |
| Mode | | - | | HP/HR | HP/HR |
| Performance | Capacity (Nominal) | Cooling*1) | Btu/h | 36,000 | 48,000 |
| | | | US RT | 3.00 | 4.00 |
| | Heating*1) | Btu/h | 40,000 | 54,000 | |
| | | US RT | 3.33 | 4.50 | |
| Power | Power Input (Nominal) | Cooling*1) | W | 290.00 | 430.00 |
| | | Heating*1) | | 290.00 | 430.00 |
| | Current Input (Nominal) | Cooling*1) | A | 1.60 | 2.45 |
| | | Heating*1) | | 1.60 | 2.45 |
| Fan | Motor | Type | - | Sirocco Fan | Sirocco Fan |
| | | Output x n | W | 180 x 1 | 218 x 1 |
| | Air Flow Rate | H/M/L (UL) | CFM | 953.53/882.90/812.27 | 1,236.06/1,165.43/1,059.48 |
| | External Pressure | Min / Std / Max | Pa | 58.84/78.45/98.07 | 58.84/78.45/98.07 |
| | | in. Wg | 0.24/0.31/0.39 | 0.24/0.31/0.39 | |
| Piping Connections | Liquid Pipe | Ø, mm | 9.52 | 9.52 | |
| | | Ø, inch | 3/8 | 3/8 | |
| | Gas Pipe | Ø, mm | 15.88 | 15.88 | |
| | | Ø, inch | 5/8 | 5/8 | |
| Drain Pipe | Ø, mm | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | | |
| Refrigerant | Type | - | R410A | R410A | |
| | Control Method | - | EEV INCLUDED | EEV INCLUDED | |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 41.0/40.0/38.0 | 42.0/39.0/36.0 |
| | | | | | |
| Dimensions | Net Weight | kg | 36.50 | 48.50 | |
| | | lbs | 80.47 | 106.92 | |
| | Shipping Weight | kg | 40.50 | 55.50 | |
| | | lbs | 89.29 | 122.36 | |
| | Net Dimensions (WxHxD) | mm | 1150 x 320 x 480 | 1200 x 360 x 650 | |
| | | inch | 45.28 x 12.60 x 18.90 | 47.24 x 14.17 x 25.59 | |
| Shipping Dimensions (WxHxD) | mm | 1420 x 400 x 595 | 1456 x 434 x 778 | | |
| | inch | 55.91 x 15.75 x 23.43 | 57.32 x 17.09 x 30.63 | | |
| Panel Size | Panel model | model name | - | - | |
| | Panel Net Weight | kg | - | - | |
| | | lbs | - | - | |
| | Shipping Weight | kg | - | - | |
| | | lbs | - | - | |
| | Net Dimensions (WxHxD) | mm | - | - | |
| inch | | - | - | | |
| Shipping Dimensions (WxHxD) | mm | - | - | | |
| | inch | - | - | | |
| Additional Accessories | Drain pump | Drain pump | model name | MDP-M075SGU1D | MDP-M075SGU2D |
| | | Max. lifting Height / Displacement | mm/liter/h | 750 / 24 | 750 / 24 |
| | Air Filter | - | - | - | Long life filter |



- Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

SLIM DUCT



| Model | | | | AM007FNLDCH/AA | AM009FNLDCH/AA | AM012FNLDCH/AA | AM018FNLDCH/AA |
|-----------------------------|------------------------------|------------------------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|
| Power Supply | | Ø, V, Hz | | 1,208-230,60 | 1,208-230,60 | 1,208-230,60 | 1,208-230,60 |
| Mode | | - | | HP/HR | HP/HR | HP/HR | HP/HR |
| Performance | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 7,500 | 9,500 | 12,000 | 18,000 |
| | | | US RT | 0.63 | 0.79 | 1.00 | 1.50 |
| | Heating ¹⁾ | Btu/h | 8,500 | 10,500 | 13,500 | 20,000 | |
| | | US RT | 0.71 | 0.88 | 1.12 | 1.67 | |
| Power | Power Input (Nominal) | Cooling ¹⁾ | W | 47.00 | 60.00 | 75.00 | 140.00 |
| | | Heating ¹⁾ | | 47.00 | 60.00 | 75.00 | 140.00 |
| | Current Input (Nominal) | Cooling ¹⁾ | A | 0.32 | 0.40 | 0.51 | 0.94 |
| | | Heating ¹⁾ | | 0.32 | 0.40 | 0.51 | 0.94 |
| Fan | Motor | Type | - | Sirocco Fan | Sirocco Fan | Sirocco Fan | Sirocco Fan |
| | | Output x n | W | 40 x 1 | 50 x 1 | 60 x 1 | 100 x 1 |
| | Air Flow Rate | H/M/L (UL) | CFM | 282.53/247.21/211.90 | 317.84/282.53/247.21 | 353.16/300.19/247.21 | 547.40/494.42/441.45 |
| | External Pressure | Min / Std / Max | Pa | 0.00/9.81/39.23 | 0.00/9.81/39.23 | 0.00/9.81/39.23 | 0.00/9.81/39.23 |
| | | in. Wg | 0.00/0.04/0.16 | 0.00/0.04/0.16 | 0.00/0.04/0.16 | 0.00/0.04/0.16 | |
| Piping Connections | Liquid Pipe | Ø, mm | 6.35 | 6.35 | 6.35 | 6.35 | |
| | | Ø, inch | 1/4 | 1/4 | 1/4 | 1/4 | |
| | Gas Pipe | Ø, mm | 12.70 | 12.70 | 12.70 | 12.70 | |
| | | Ø, inch | 1/2 | 1/2 | 1/2 | 1/2 | |
| Drain Pipe | Ø, mm | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Control Method | - | EEV INCLUDED | EEV INCLUDED | EEV INCLUDED | EEV INCLUDED | |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 26.0/24.0/21.0 | 27.0/25.0/23.0 | 29.0/28.0/27.0 | 36.0/34.0/31.0 |
| | | | | | | | |
| Dimensions | Net Weight | kg | 24.50 | 24.50 | 24.50 | 30.00 | |
| | | lbs | 54.01 | 54.01 | 54.01 | 66.14 | |
| | Shipping Weight | kg | 28.50 | 28.50 | 28.50 | 34.50 | |
| | | lbs | 62.83 | 62.83 | 62.83 | 76.06 | |
| | Net Dimensions (WxHxD) | mm | 900 x 199 x 600 | 900 x 199 x 600 | 900 x 199 x 600 | 1100 x 199 x 600 | |
| | | inch | 35.43 x 7.83 x 23.62 | 35.43 x 7.83 x 23.62 | 35.43 x 7.83 x 23.62 | 43.31 x 7.83 x 23.62 | |
| Shipping Dimensions (WxHxD) | mm | 1150 x 280 x 710 | 1150 x 280 x 710 | 1150 x 280 x 710 | 1350 x 280 x 710 | | |
| | inch | 45.28 x 11.02 x 27.95 | 45.28 x 11.02 x 27.95 | 45.28 x 11.02 x 27.95 | 53.15 x 11.02 x 27.95 | | |
| Panel Size | Panel model | model name | - | - | - | - | |
| | Panel Net Weight | kg | - | - | - | - | |
| | | lbs | - | - | - | - | |
| | Shipping Weight | kg | - | - | - | - | |
| | | lbs | - | - | - | - | |
| | Net Dimensions (WxHxD) | mm | - | - | - | - | |
| inch | | - | - | - | - | | |
| Shipping Dimensions (WxHxD) | mm | - | - | - | - | | |
| | inch | - | - | - | - | | |
| Additional Accessories | Drain pump | Drain pump | model name | MDP-E075SEE3D | MDP-E075SEE3D | MDP-E075SEE3D | MDP-E075SEE3D |
| | | Max. lifting Height / Displacement | mm/liter/h | 750 / 24 | 750 / 24 | 750 / 24 | 750 / 24 |
| | Air Filter | - | - | - | Long life filter | Long life filter | Long life filter |



- Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

SPECIFICATIONS - INDOOR UNITS

➤ INDOOR UNITS

SLIM DUCT



| Model | | | AM024FNLDCH/AA | AM030FNLDCH/AA | AM036FNLDCH/AA | AM048FNLDCH/AA | |
|-----------------------------|------------------------------|------------------------------------|-----------------------|-----------------------|------------------------|--------------------------|--------------------------|
| Power Supply | | Ø, V, Hz | 1,208-230,60 | 1,220-240,50 | 1,208-230,60 | 1,208-230,60 | |
| Mode | | | HP/HR | HP/HR | HP/HR | HP/HR | |
| Performance | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 24,000 | 30,000 | 36,000 | 48,000 |
| | | | US RT | 2.00 | 2.50 | 3.00 | 4.00 |
| | Heating ¹⁾ | Btu/h | 27,000 | 34,000 | 40,000 | 54,000 | |
| | | US RT | 2.25 | 2.83 | 3.33 | 4.50 | |
| Power | Power Input (Nominal) | Cooling ¹⁾ | W | 145.00 | 95.00 | 120.00 | 180.00 |
| | | Heating ¹⁾ | | 145.00 | 95.00 | 120.00 | 180.00 |
| | Current Input (Nominal) | Cooling ¹⁾ | A | 0.98 | 0.80 | 1.05 | 1.40 |
| | | Heating ¹⁾ | | 0.98 | 0.80 | 1.05 | 1.40 |
| Fan | Motor | Type | - | Sirocco Fan | Sirocco Fan | Sirocco Fan | Sirocco Fan |
| | | Output x n | W | 110 x 1 | 80 x 1 | 100 x 1 | 160 x 1 |
| | Air Flow Rate | H/M/L (UL) | CFM | 582.71/529.74/476.77 | 1,094.80/918.22/812.27 | 1,200.74/1,024.16/847.58 | 1,342.01/1,130.11/953.53 |
| | External Pressure | Min / Std / Max | Pa | 0.00/9.81/39.23 | 0.00/9.81/58.84 | 0.00/29.42/58.84 | 0.00/29.42/58.84 |
| | | in. Wg | 0.00/0.04/0.16 | 0.00/0.04/0.24 | 0.00/0.12/0.24 | 0.00/0.12/0.24 | |
| Piping Connections | Liquid Pipe | Ø, mm | 9.52 | 9.52 | 9.52 | 9.52 | |
| | | Ø, inch | 3/8 | 3/8 | 3/8 | 3/8 | |
| | Gas Pipe | Ø, mm | 15.88 | 15.88 | 15.88 | 15.88 | |
| | | Ø, inch | 5/8 | 5/8 | 5/8 | 5/8 | |
| Drain Pipe | Ø, mm | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | VP25 (OD 32, ID 25) | | |
| Refrigerant | Type | - | R410A | R410A | R410A | R410A | |
| | Control Method | - | EEV INCLUDED | EEV INCLUDED | EEV INCLUDED | EEV INCLUDED | |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 38.0/36.0/33.0 | 37.0/36.0/34.0 | 37.0/36.0/34.0 | 39.0/38.0/36.0 |
| | | | | | | | |
| Dimensions | Net Weight | kg | 30.00 | 40.00 | 40.00 | 41.50 | |
| | | lbs | 66.14 | 88.18 | 88.18 | 91.49 | |
| | Shipping Weight | kg | 34.50 | 47.00 | 47.00 | 48.50 | |
| | | lbs | 76.06 | 103.62 | 103.62 | 106.92 | |
| | Net Dimensions (WxHxD) | mm | 1100 x 199 x 600 | 1300 x 295 x 690 | 1300 x 295 x 690 | 1300 x 295 x 690 | |
| | | inch | 43.31 x 7.83 x 23.62 | 51.18 x 11.61 x 27.17 | 51.18 x 11.61 x 27.17 | 51.18 x 11.61 x 27.17 | |
| Shipping Dimensions (WxHxD) | mm | 1350 x 280 x 710 | 1575 x 370 x 835 | 1575 x 370 x 835 | 1575 x 370 x 835 | | |
| | inch | 53.15 x 11.02 x 27.95 | 62.01 x 14.57 x 32.87 | 62.01 x 14.57 x 32.87 | 62.01 x 14.57 x 32.87 | | |
| Panel Size | Panel model | model name | - | - | - | - | |
| | Panel Net Weight | kg | - | - | - | - | |
| | | lbs | - | - | - | - | |
| | Shipping Weight | kg | - | - | - | - | |
| | | lbs | - | - | - | - | |
| | Net Dimensions (WxHxD) | mm | - | - | - | - | |
| inch | | - | - | - | - | | |
| Shipping Dimensions (WxHxD) | mm | - | - | - | - | | |
| | inch | - | - | - | - | | |
| Additional Accessories | Drain pump | Drain pump | model name | MDP-E075SEE3D | MDP-E075SEE3D | MDP-E075SEE3D | MDP-E075SEE3D |
| | | Max. lifting Height / Displacement | mm/liter/h | 750 / 24 | 750 / 24 | 750 / 24 | 750 / 24 |
| | Air Filter | - | - | Long life filter | Long life filter | Long life filter | Long life filter |



- Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

HIGH WALL



| Model | | | AM007FNTDCH/AA | AM009FNTDCH/AA | AM012FNTDCH/AA | |
|-----------------------------|------------------------------|------------------------------------|-----------------------|-----------------------|----------------------|----------------------|
| Power Supply | | Ø, V, Hz | 1,208-230,60 | 1,208-230,60 | 1,208-230,60 | |
| Mode | | | HP/HR | HP/HR | HP/HR | |
| Performance | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 7,500 | 9,500 | 12,000 |
| | | | US RT | 0.63 | 0.79 | 1.00 |
| | Heating ¹⁾ | Btu/h | 8,500 | 10,500 | 13,500 | |
| | | US RT | 0.71 | 0.88 | 1.13 | |
| Power | Power Input (Nominal) | Cooling ¹⁾ | W | 37.00 | 37.00 | 45.00 |
| | | Heating ¹⁾ | | 37.00 | 37.00 | 45.00 |
| | Current Input (Nominal) | Cooling ¹⁾ | A | 0.25 | 0.25 | 0.30 |
| | | Heating ¹⁾ | | 0.25 | 0.25 | 0.30 |
| Fan | Motor | Type | - | Crossflow Fan | Crossflow Fan | Crossflow Fan |
| | | Output x n | W | 23 x 1 | 23 x 1 | 23 x 1 |
| | Air Flow Rate | H/M/L (UL) | CFM | 275.46/240.15/204.83 | 289.59/254.28/218.96 | 328.44/293.12/257.81 |
| | External Pressure | Min / Std / Max | Pa | - | - | - |
| Piping Connections | Liquid Pipe | Ø, mm | 6.35 | 6.35 | 6.35 | |
| | | Ø, inch | 1/4 | 1/4 | 1/4 | |
| | Gas Pipe | Ø, mm | 12.70 | 12.70 | 12.70 | |
| | | Ø, inch | 1/2 | 1/2 | 1/2 | |
| Drain Pipe | Ø, mm | ID 18 HOSE | ID 18 HOSE | ID 18 HOSE | | |
| Refrigerant | Type | - | R410A | R410A | R410A | |
| | Control Method | - | EEV NOT INCLUDED | EEV NOT INCLUDED | EEV NOT INCLUDED | |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 31.0/29.0/27.0 | 31.0/29.0/27.0 | 37.0/33.0/29.0 |
| | | | | | | |
| Dimensions | Net Weight | kg | 8.50 | 8.50 | 8.50 | |
| | | lbs | 18.74 | 18.74 | 18.74 | |
| | Shipping Weight | kg | 11.00 | 11.00 | 11.00 | |
| | | lbs | 24.25 | 24.25 | 24.25 | |
| | Net Dimensions (WxHxD) | mm | 825 x 285 x 189 | 825 x 285 x 189 | 825 x 285 x 189 | |
| | | inch | 32.48 x 11.22 x 7.44 | 32.48 x 11.22 x 7.44 | 32.48 x 11.22 x 7.44 | |
| Shipping Dimensions (WxHxD) | mm | 904 x 353 x 263 | 904 x 353 x 263 | 904 x 353 x 263 | | |
| | inch | 35.59 x 13.90 x 10.35 | 35.59 x 13.90 x 10.35 | 35.59 x 13.90 x 10.35 | | |
| Panel Size | Panel model | model name | - | - | - | |
| | Panel Net Weight | kg | - | - | - | |
| | | lbs | - | - | - | |
| | Shipping Weight | kg | - | - | - | |
| | | lbs | - | - | - | |
| | Net Dimensions (WxHxD) | mm | - | - | - | |
| inch | | - | - | - | | |
| Shipping Dimensions (WxHxD) | mm | - | - | - | | |
| | inch | - | - | - | | |
| Additional Accessories | Drain pump | Drain pump | model name | - | - | - |
| | | Max. lifting Height / Displacement | mm/liter/h | - | - | - |
| | Air Filter | - | - | Long life filter | Long life filter | Long life filter |

- Nominal Capacity is based on (Equivalent refrigerant piping : 25ft , Level differences : 0ft);
 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
- Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



SPECIFICATIONS

SPECIFICATIONS - INDOOR UNITS

► INDOOR UNITS

HIGH WALL



| Model | | AM018FNTDCH/AA | | AM020FNTDCH/AA | | AM024FNTDCH/AA | |
|-----------------------------|------------------------------|------------------------------------|-----------------------|-----------------------|----------------------|----------------------|--|
| Power Supply | | Ø, V, Hz | 1,208-230,60 | 1,208-230,60 | 1,208-230,60 | | |
| Mode | | | HP/HR | HP/HR | HP/HR | | |
| Performance | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 18,000 | 20,000 | 23,200 | |
| | | | US RT | 1.50 | 1.67 | 1.93 | |
| | Heating ¹⁾ | Btu/h | 20,000 | 23,000 | 23,800 | | |
| | | US RT | 1.67 | 1.92 | 1.98 | | |
| Power | Power Input (Nominal) | Cooling ¹⁾ | W | 55.00 | 57.00 | 60.00 | |
| | | Heating ¹⁾ | | 55.00 | 57.00 | 60.00 | |
| | Current Input (Nominal) | Cooling ¹⁾ | A | 0.36 | 0.38 | 0.40 | |
| | | Heating ¹⁾ | | 0.36 | 0.38 | 0.40 | |
| Fan | Motor | Type | - | Crossflow Fan | Crossflow Fan | Crossflow Fan | |
| | | Output x n | W | 40 x 1 | 40 x 1 | 40 x 1 | |
| | Air Flow Rate | H/M/L (UL) | CFM | 423.79/370.82/317.84 | 494.42/441.45/388.48 | 494.42/441.45/388.48 | |
| | External Pressure | Min / Std / Max | Pa | - | - | - | |
| Piping Connections | Liquid Pipe | Ø, mm | 6.35 | 6.35 | 9.52 | | |
| | | Ø, inch | 1/4 | 1/4 | 3/8 | | |
| | Gas Pipe | Ø, mm | 12.70 | 12.70 | 15.88 | | |
| | | Ø, inch | 1/2 | 1/2 | 5/8 | | |
| Drain Pipe | Ø, mm | ID 18 HOSE | ID 18 HOSE | ID 18 HOSE | | | |
| Refrigerant | Type | - | R410A | R410A | R410A | | |
| | Control Method | - | EEV NOT INCLUDED | EEV NOT INCLUDED | EEV NOT INCLUDED | | |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 44.0/41.0/38.0 | 44.0/41.0/38.0 | 45.0/42.0/38.0 | |
| | | | | | | | |
| Dimensions | Net Weight | kg | 12.50 | 12.50 | 12.50 | | |
| | | lbs | 27.56 | 27.56 | 27.56 | | |
| | Shipping Weight | kg | 15.50 | 15.50 | 15.50 | | |
| | | lbs | 34.17 | 34.17 | 34.17 | | |
| | Net Dimensions (WxHxD) | mm | 1065 x 298 x 218 | 1065 x 298 x 218 | 1065 x 298 x 218 | | |
| | | inch | 41.93 x 11.73 x 8.58 | 41.93 x 11.73 x 8.58 | 41.93 x 11.73 x 8.58 | | |
| Shipping Dimensions (WxHxD) | mm | 1138 x 378 x 301 | 1138 x 378 x 301 | 1138 x 378 x 301 | | | |
| | inch | 44.80 x 14.88 x 11.85 | 44.80 x 14.88 x 11.85 | 44.80 x 14.88 x 11.85 | | | |
| Panel Size | Panel model | model name | - | - | - | | |
| | Panel Net Weight | kg | - | - | - | | |
| | | lbs | - | - | - | | |
| | Shipping Weight | kg | - | - | - | | |
| | | lbs | - | - | - | | |
| | Net Dimensions (WxHxD) | mm | - | - | - | | |
| inch | | - | - | - | | | |
| Shipping Dimensions (WxHxD) | mm | - | - | - | | | |
| | inch | - | - | - | | | |
| Additional Accessories | Drain pump | Drain pump | model name | - | - | - | |
| | | Max. lifting Height / Displacement | mm/liter/h | - | - | - | |
| | Air Filter | - | Long life filter | Long life filter | Long life filter | | |

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 - Cooling : Indoor temperature : 80°F DB, 67°F WB / Outdoor temperature : 95°F DB, 75°F WB
 - Heating : Indoor temperature : 70°F DB, 60°F WB / Outdoor temperature : 47°F DB, 43°F WB
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CEILING / FLOOR MOUNT



| Model | | AM018FNCDCCH/AA | | AM024FNCDCCH/AA | |
|-----------------------------|------------------------------|------------------------------------|-----------------------|----------------------|----------------------|
| Power Supply | | Ø, V, Hz | 1,208-230,60 | 1,208-230,60 | 1,208-230,60 |
| Mode | | | HP/HR | HP/HR | HP/HR |
| Performance | Capacity (Nominal) | Cooling ¹⁾ | Btu/h | 18,000 | 24,000 |
| | | | US RT | 1.50 | 2.00 |
| | Heating ¹⁾ | Btu/h | 20,000 | 27,000 | |
| | | US RT | 1.67 | 2.25 | |
| Power | Power Input (Nominal) | Cooling ¹⁾ | W | 72.00 | 80.00 |
| | | Heating ¹⁾ | | 72.00 | 80.00 |
| | Current Input (Nominal) | Cooling ¹⁾ | A | 0.42 | 0.48 |
| | | Heating ¹⁾ | | 0.42 | 0.48 |
| Fan | Motor | Type | - | Sirocco Fan | Sirocco Fan |
| | | Output x n | W | 25 x 1 | 35 x 1 |
| | Air Flow Rate | H/M/L (UL) | CFM | 494.42/459.11/423.79 | 635.69/582.71/529.74 |
| | External Pressure | Min / Std / Max | Pa | - | - |
| Piping Connections | Liquid Pipe | Ø, mm | 6.35 | 9.52 | |
| | | Ø, inch | 1/4" | 3/8" | |
| | Gas Pipe | Ø, mm | 12.70 | 15.88 | |
| | | Ø, inch | 1/2" | 5/8" | |
| Drain Pipe | Ø, mm | ID 18 HOSE | ID 18 HOSE | | |
| Refrigerant | Type | - | R410A | R410A | |
| | Control Method | - | EEV NOT INCLUDED | EEV NOT INCLUDED | |
| Sound | Sound Pressure ²⁾ | High / Mid / Low | dBA | 40.0/37.0/34.0 | 44.0/42.0/40.0 |
| | | | | | |
| Dimensions | Net Weight | kg | 21.00 | 21.00 | |
| | | lbs | 46.30 | 46.30 | |
| | Shipping Weight | kg | 25.50 | 25.50 | |
| | | lbs | 56.22 | 56.22 | |
| | Net Dimensions (WxHxD) | mm | 1000 x 650 x 200 | 1000 x 650 x 200 | |
| | | inch | 39.37 x 25.59 x 7.87 | 39.37 x 25.59 x 7.87 | |
| Shipping Dimensions (WxHxD) | mm | 1080 x 730 x 300 | 1080 x 730 x 300 | | |
| | inch | 42.52 x 28.74 x 11.81 | 42.52 x 28.74 x 11.81 | | |
| Panel Size | Panel model | model name | - | - | |
| | Panel Net Weight | kg | - | - | |
| | | lbs | - | - | |
| | Shipping Weight | kg | - | - | |
| | | lbs | - | - | |
| | Net Dimensions (WxHxD) | mm | - | - | |
| inch | | - | - | | |
| Shipping Dimensions (WxHxD) | mm | - | - | | |
| | inch | - | - | | |
| Additional Accessories | Drain pump | Drain pump | model name | - | |
| | | Max. lifting Height / Displacement | mm/liter/h | - | |
| | Air Filter | - | Long life filter | Long life filter | |

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