

**SAMSUNG**

**HVAC. Built brave.**

# DVM S CATALOG








Samsung's innovative DVM S systems provide incredible design flexibility, performance, and comfort, making them the perfect choice for any application.







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# Welcome to our world.

Headquartered in Seoul, South Korea, Samsung Electronics inspires the world and shapes the future with transformative ideas and technologies that give people the power to discover new experiences. With a constant focus on innovation and discovery, Samsung Electronics keeps redefining the world with a vast array of products. What's more, Samsung has played a prominent role in the global HVAC industry for over 40 years with business operations in 48 countries.

Samsung has been recognized by Interbrand and the Boston Consulting Group as one of the Best Global Brands<sup>1</sup> and Most Innovative Companies<sup>2</sup>.

For more news and information on Samsung Electronics, please visit [Samsung.com](http://Samsung.com).

# Home of the brave.

Most HVAC companies maintain the status quo, Samsung never will. Located in Roanoke, Texas, Samsung HVAC America is the North American headquarters for Samsung's heating and cooling products with distribution channels throughout the United States and Canada. We're a new kind of HVAC company, one that's dedicated to creating the most incredible heating and cooling systems in existence.

Learn more about Samsung HVAC America at [SamsungHVAC.com](http://SamsungHVAC.com).

# Unconventional wisdom.

At Samsung Business Academy, the training is priceless. Our training curriculum is designed to enrich HVAC technicians and contractors with the knowledge to properly install, service, and maintain Samsung heating and cooling systems. And since we believe you can't put a price on a quality education, our innovative training curriculum comes at zero cost. While that may defy logic to some, it makes perfect sense to us.

We're also new school. Whether it's at our instructor led classes in Roanoke, Texas, our Santa Fe Springs, California location, or from the comfort of their own home, with live classes, online courses, and webinars, attendees can choose the best option that fits their busy schedule. We also have a Mobile Training Center with fully operational equipment that can be scheduled by our partners for training sessions in the Northeast U.S. and Canada. Furthermore, several NATE® recognized courses are available, covering a wide range of topics, from VRF commissioning to residential installation.

Please visit [SamsungHVAC.com/training](http://SamsungHVAC.com/training) for our training course catalog.

As of July 2018, the following Samsung HVAC training courses are NATE® recognized: Overview and Installation - RLC05, Overview and Installation Webinar - RLC05W, Advanced Service Introduction - RLC06, Overview, Installation, and Startup - DVM03, Advanced Service and Troubleshooting - DVM04, Overview and Installation - ECO 1.1, DVM S Controls Overview - CON02



**Samsung HVAC Corporate Office and Training Center**  
Texas Facility  
776 Henrietta Creek Road #100  
Roanoke, TX 76262



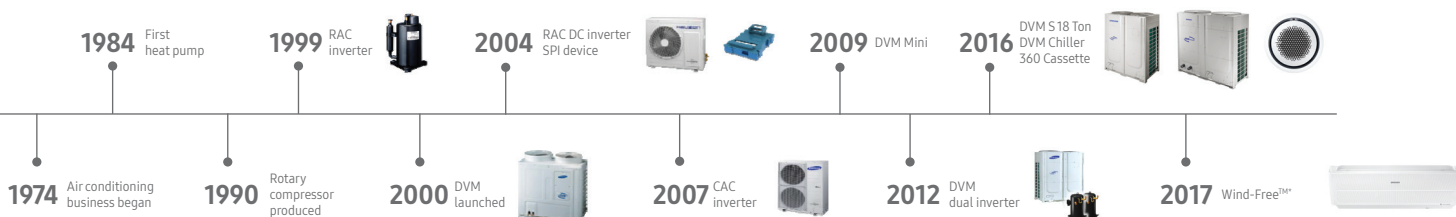
**Samsung HVAC Training Center**  
California Facility  
13113 Adler Drive  
Santa Fe Springs, CA 90670



**Mobile Training Center**  
Northeastern United States and Canada

# Making history.

The amazing happens when limits are pushed. That's why at Samsung HVAC, we always take a creative approach. Over the years, we've found it leads to the most innovative results. What's even better? We're just getting started.



\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

<sup>1</sup>For more information about Interbrand's Best Global Brands, please visit [www.interbrand.com](http://www.interbrand.com). <sup>2</sup>For more information about the Boston Consulting Group's Most Innovative Companies, please visit [www.bcg.com](http://www.bcg.com). <sup>3</sup>Available for use in the Northeastern U.S. and Eastern Canada.

# What is DVM S?

## Glad you asked.

Samsung's DVM S (Digital Variable Multi) is a Variable Refrigerant Flow (VRF) system consisting of outdoor units connected to multiple indoor units via refrigerant piping to provide cooling and heating to individual zones. The outdoor units can modulate capacity based on the requirements of the individual zones, thus saving energy by not always running at 100% capacity and improving occupant comfort by maintaining temperature as needed in each individual zone.

With design flexibility, premium comfort, and superior performance, Samsung DVM S systems offer just the right solution for any application.

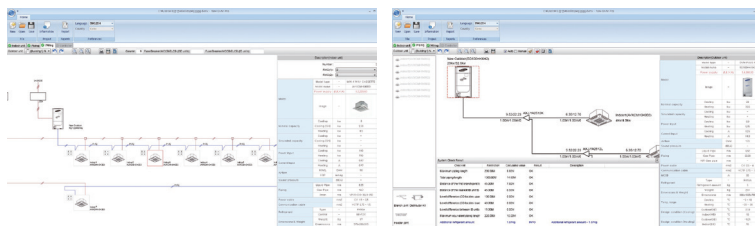


## DVM-Pro Design Software

Samsung's DVM-Pro is an advanced design selection tool that can be used in AutoCAD-based CAD mode or Sales mode. This program helps users select the most appropriate DVM S or DVM Chiller equipment based on the information provided by HVAC professionals.

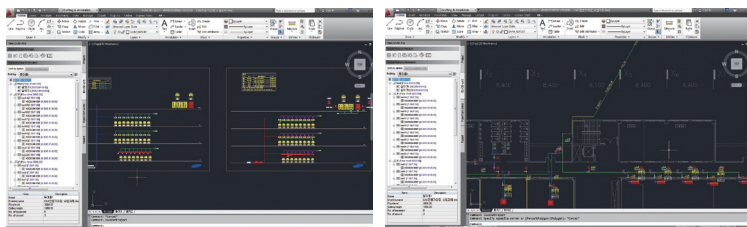
### Sales Mode

The Sales mode allows users to customize their system based on the information specified. By selecting indoor units and providing accurate piping lengths, the system will help users utilize the combination ratio to pick the best outdoor units and provide piping sizes with corresponding lengths and additional refrigerant. The system will also provide the control and electrical wiring diagram, generate a wiring diagram for selected Central Control options, and deliver a print out of equipment specifications, piping and wiring diagrams.



### CAD Mode

The CAD mode allows for users to incorporate AutoCAD\* into the software for easy customization. This mode features automatic calculation of refrigerant piping length and size based on building layout, system check which ensures piping limitations are followed, and automatic selection of Y-joints and headers sized per the system layout. It also generates a wiring diagram for selected Central Control options and provides a print out of equipment specifications, piping and wiring diagrams, and the total equipment cost.



\*AutoCAD is not included in DVM-Pro Design Software  
DVM-Pro design software is available for download on SamsungHVAC.com.





# Indoor Units





## Indoor Units

# Overview

Capacities shown in Btu/h



360 CASSETTE  
9K-48K



WIND-FREE™\* 4-WAY CASSETTE  
6K-48K



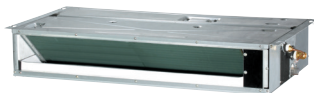
WIND-FREE™\*  
MINI 4-WAY CASSETTE  
5K-20K



WIND-FREE™\* 1-WAY CASSETTE  
7.5K-12K



DUCT S  
6K-48K



SLIM DUCT  
7.5K-48K



HSP DUCT  
(High Static Pressure)  
54K-96K



OAP DUCT  
(Outside Air Processing)  
72K-96K



DVM WHISPER  
5K-28K



MAX  
32K



UNDER CEILING  
18K-24K



BIG CEILING  
36K-48K



FLOOR STANDING  
(concealed type)  
6K-24K



FLOOR STANDING  
(exposed type)  
6K-24K

















MULTI-POSITION AIR HANDLER  
12K-72K

\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

# Capacity Chart

Capacities shown in Btu/h

Btu/h		5,000	6,000	7,500	9,000	9,500	12,000	15,000	18,000	20,000	24,000	27,000	28,000	30,000	32,000	36,000	48,000	54,000	60,000	72,000	76,800	96,000
360 Cassette					•		•		•		•			•		•	•					
Wind-Free™ * 4-Way Cassette			•		•		•		•		•			•		•	•					
Wind-Free™* Mini 4-Way Cassette		•		•		•	•		•	•												
Wind-Free™* 1-Way Cassette				•		•	•															
Duct S			•	•		•	•	•	•		•	•		•		•	•					
Slim Duct				•		•	•		•		•			•		•	•					
HSP Duct																		•			•	•
OAP Duct																				•		•
DVM Whisper		•		•		•	•	•	•		•		•									
Max															•							
Under Ceiling									•		•											
Big Ceiling																•	•					
Floor Standing			•			•	•		•		•											
Multi-Position Air Handler							•		•		•			•		•	•	•	•	•		

\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).



# 360 Cassette

Available Capacities (Btu/h): 9,000 | 12,000 | 18,000 | 24,000 | 30,000 | 36,000 | 48,000



Circle (open-type)  
(panel sold separately)

Meet Samsung's exclusive 360 Cassette.  
Enjoy even airflow from a sleek  
design that fits into almost any setting.



Square (ceiling-type)  
(panel sold separately)

## Features

### Bladeless Design

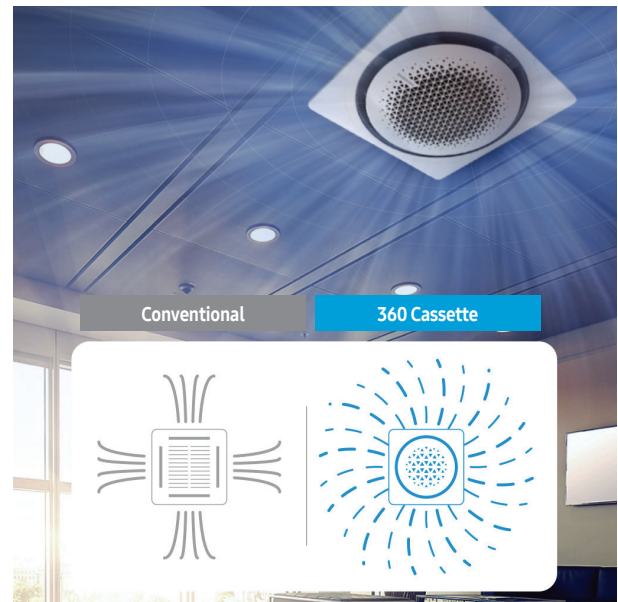
Standard 4-way ceiling cassettes use blades on 4 sides of the unit to distribute air. This 4-sided distribution can cause up to 25% reduction in airflow and creates uneven room temperature, resulting in hot and cold spots. With bladeless technology and the use of 3 booster fans, the 360 Cassette provides even, horizontal airflow.

### Directional Airflow Control

The booster fans can be individually set at the same or different angles within a 10-60° range. The swing function is available when all 3 booster fans are operating in unison.

### Advanced Commissioning and Service

The 360 Cassette is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).



### Maximize Energy Savings

A Motion Detection Sensor (MDS) will automatically turn off or change the set temperature based on room occupancy, and learn occupancy patterns to reduce run time between occupied and unoccupied times. Use of MDS is optional (sensor sold separately\*).

### Easy Access

All internal components and field wiring connections are accessible from the bottom of the unit.

### Style Options

Circle and square fascia panels available in black and white (panel sold separately).



IF Design Award 2016 Winner  
(<http://ifworlddesignguide.com/>)

\*Compatible with PC4NUDMUN fascia panel only.

Find specification on P62-P64

# Wind-Free™\* 4-Way Cassette

Available Capacities (Btu/h): 6,000 | 9,000 | 12,000 | 18,000 | 24,000 | 30,000 | 36,000 | 48,000



(panel sold separately)

Meet Samsung's exclusive Wind-Free™\* 4-Way Cassette. It's easy to level, easy to clean, and has an innovative turbo fan that minimizes noise. Simply put, it's amazing. The Wind-Free™\* 4-Way Cassette keeps you comfortable without a breeze.



## Features

### Eliminates Cold Drafts

Wind-Free™\* Cooling technology maintains the desired temperature and eliminates cold drafts by delivering air through micro holes on the unit's fascia panel when the louvers are closed, producing a dispersed and gentle flow of air defined as "still air."

The Wind-Free™\* fascia panel includes a humidity sensor to prevent condensation by restricting Wind-Free™\* operation in high humidity conditions. Wind-Free™\* operation is available in cooling mode only.

### Quiet Air Distribution

The aerodynamically designed turbo fan minimizes blade movement noise. Plus, the turbo fan's wide blades provide evenly distributed cooling and heating from four separate outlets so the entire room cools down or warms up faster.

### Individual Blade Control

With independent louver control, the four louver blades can be individually set at the same or different angles within a 32-65° range.

### Advanced Commissioning and Service

The Wind-Free™\* 4-Way Cassette is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).

### Easy Access

All internal components and field wiring connections are accessible from the bottom of the unit.

### Maximize Energy Savings

A Motion Detection Sensor (MDS) will automatically turn off or change the set temperature based on room occupancy, and learn occupancy patterns to reduce run time between occupied and unoccupied times. Use of MDS is optional (sensor sold separately).



\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

# Wind-Free™\* Mini 4-Way Cassette

Available Capacities (Btu/h): 5,000 | 7,500 | 9,500 | 12,000 | 18,000 | 20,000



(panel sold separately)

Meet Samsung's exclusive Wind-Free™\* Mini 4-Way Cassette. Along with all the features and benefits of the Wind-Free™\* 4-Way Cassette, the Wind-Free™\* Mini 4-Way Cassette's compact size is designed to fit in a standard 2x2 ft. ceiling grid.

## Features

### Eliminates Cold Drafts

Wind-Free™\* Cooling technology maintains the desired temperature and eliminates cold drafts by delivering air through micro holes on the unit's fascia panel when the louvers are closed, producing a dispersed and gentle flow of air defined as "still air."

The Wind-Free™\* fascia panel includes a humidity sensor to prevent condensation by restricting Wind-Free™\* operation in high humidity conditions. Wind-Free™\* operation is available in cooling mode only.

### Quiet Air Distribution

The aerodynamically designed turbo fan minimizes blade movement noise. Plus, the turbo fan's wide blades provide evenly distributed cooling and heating from four separate outlets so the entire room cools down or warms up faster.

### Individual Blade Control

With independent louver control, the four louver blades can be individually set at the same or different angles within a 32-65° range.

### Compact Size

The Wind-Free™\* Mini 4-Way Cassette panel is designed to fit in a standard 2x2 ft. ceiling grid without interfering with adjacent ceiling tiles, lights, or sprinkler systems.



### Advanced Commissioning and Service

The Wind-Free™\* Mini 4-Way Cassette is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).

### Easy Access

All internal components and field wiring connections are accessible from the bottom of the unit.

### Maximize Energy Savings

A Motion Detection Sensor (MDS) will automatically turn off or change the set temperature based on room occupancy, and learn occupancy patterns to reduce run time between occupied and unoccupied times. Use of MDS is optional (sensor sold separately).



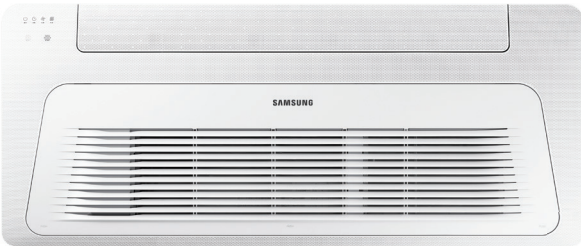
\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

Find specification on P68-P69



# Wind-Free™\* 1-Way Cassette

Available Capacities (Btu/h): 7,500 | 9,500 | 12,000



(panel sold separately)

Meet Samsung's exclusive Wind-Free™\* 1-Way Cassette. The coolest technology you'll never feel.

Micro Holes

Wind-Free™\* Cooling  
no cold draft



## Features

### Eliminates Cold Drafts

Wind-Free™\* Cooling technology maintains the desired temperature and eliminates cold drafts by delivering air through micro holes on the unit's fascia panel when the louvers are closed, producing a dispersed and gentle flow of air defined as "still air."

### Blade Control

Blade angles can move from 30-80° angles to reach every corner of the room.

### Advanced Commissioning and Service

The Wind-Free™\* 1-Way Cassette is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).

### Easy Access

All internal components and field wiring connections are accessible from the bottom of the unit.



\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

Find specification on P70

## Duct S

**Available Capacities (Btu/h):** 6,000 | 7,500 | 9,500 | 12,000 | 15,000 | 18,000 | 24,000 | 27,000 | 30,000 | 36,000 | 48,000

With its slim design and automatic air volume setting function, the Duct S unit provides a smart solution for low maintenance, consistent cooling and heating performance for any environment.



### Features

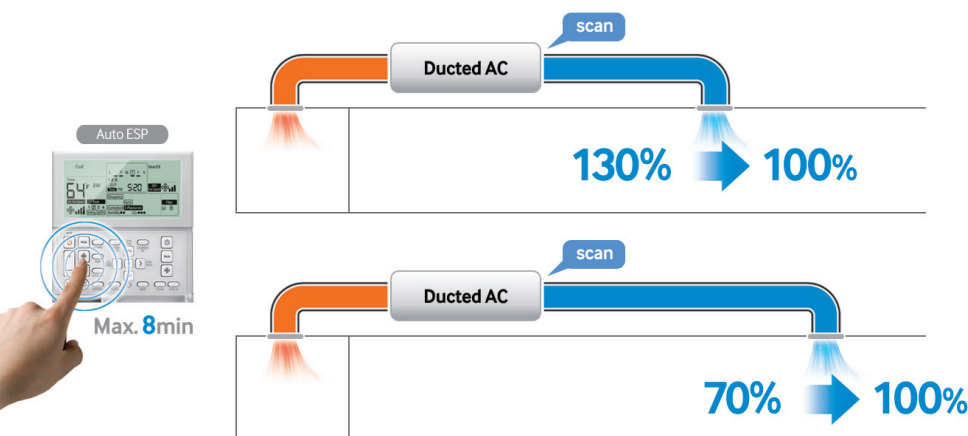
#### External Static Pressure (ESP) Range

7,500 - 18,000 Btu/h Standard: 0.039" WC  
Min./Max. Range: 0.0" - 0.591" WC

24,000 - 48,000 Btu/h Standard: 0.205" WC  
Min./Max. Range: 0.118" - 0.787" WC

#### Automatic Air Volume Setting

The Duct S will automatically adjust the fan speed based on the duct system external static pressure (ESP) to deliver desired airflow.



### Flexible Application

Offered in 11 capacities to meet the needs of various applications.

### Compact Size

Dimensions for capacities 6K, 7.5K, 12K, and 15K Btu/h: 33 7/16 X 9 13/16 X 27 9/16 in.

Dimensions for capacities 18K, 24K, 27K, and 30K Btu/h: 47 1/4 X 9 13/16 X 27 9/16 in.

Dimensions for capacities 36K and 48K Btu/h: 51 3/16 X 11 13/16 X 27 9/16 in.

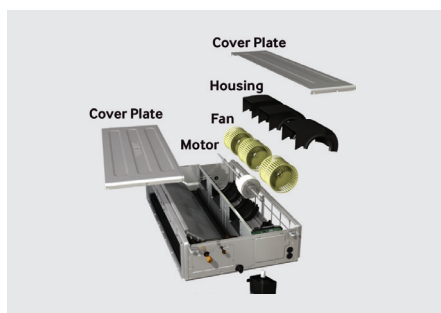
### Advanced Commissioning and Service

The Duct S is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).

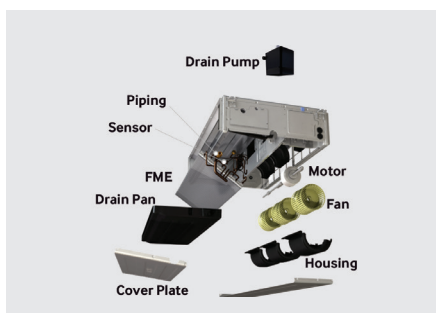
### Easy Access

All internal components are accessible from the top, side, or bottom of the unit.

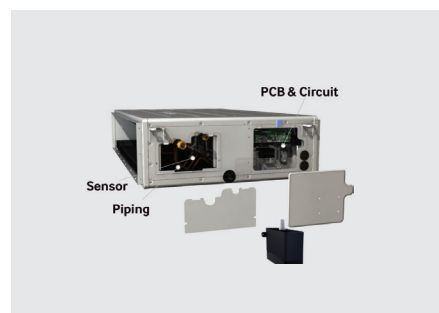
#### From the Top



#### From the Bottom



#### From the Side



# Slim Duct

**Available Capacities (Btu/h):** 7,500 | 9,500 | 12,000 | 18,000 | 24,000 | 30,000 | 36,000 | 48,000



It's as simple as an install gets. Mounted above the ceiling, the Slim Duct unit requires minimal ductwork, but maintains the high efficiency, quiet operation, and zoning capabilities of a ductless system.

## Features

### External Static Pressure (ESP) Range

7,500 - 30,000 Btu/h Standard: 0.04" WC

36,000 - 48,000 Btu/h Standard: 0.12" WC

7,500 - 24,000 Btu/h Min./Max. Range: 0.0" - 0.16" WC

30,000 - 48,000 Btu/h Min./Max. Range: 0.0" - 0.24" WC

### Easy Access

All internal components are accessible from the bottom or side of the unit.

### Compact Size

Dimensions for capacities 7.5K, 9.5K, and 12K Btu/h: 35 7/16 X 7 13/16 X 23 5/8 in.

Dimensions for capacities 18K and 24K Btu/h: 43 5/16 X 7 13/16 X 23 5/8 in.

Dimensions for capacities 30K, 36K, and 48K Btu/h: 51 3/16 X 11 5/8 X 27 3/16 in.

### Flexible Installation

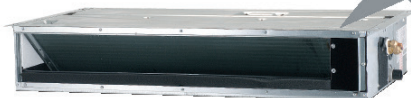
The air inlet can be set up from the rear or bottom of the unit to reduce the amount of ductwork, installation time, and cost.

### Advanced Commissioning and Service

The Slim Duct is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).

### Optional Condensate Pump

With a 29" lift, float switch, and check valve  
(installs inside the unit)



Optional Condensate Pump  
(sold separately)



# High Static Pressure (HSP) Duct

Available Capacities (Btu/h): 54,000 | 76,800 | 96,000



54,000 Btu/h

With the capability to handle static pressure up to 1.1" WC, the HSP Duct unit provides expansive coverage with outstanding cooling and heating performance.



76,800 & 96,000 Btu/h

## Features

### Increased Static Pressure

High static pressure capabilities allow for longer duct runs to accommodate varying applications.

### Advanced Commissioning and Service

The HSP Duct is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).

### Easy Access

All internal components are accessible from the bottom and side of the unit.

Find specification on P78

### External Static Pressure (ESP) Range

54,000 Btu/h Standard: 0.20" WC  
Min./Max. Range: 0.12" - 0.59" WC

76,000 Btu/h Standard: 0.59" WC  
Min./Max. Range: 0.20" - 0.98" WC

96,000 Btu/h Standard: 0.59" WC  
Min./Max. Range: 0.20" - 1.10" WC

# Outside Air Proccessing (OAP) Duct

Available Capacities (Btu/h): 72,000 | 96,000

The OAP Duct is an efficient outside air processing solution that introduces and treats fresh air for conditioned zones.

## Features

### Enhanced Design Flexibility

The OAP Duct can be connected to the same system as other DVM S indoor units, resulting in enhanced design flexibility and lower total system cost. Compatible with DVM S Heat Pump systems only.

### Advanced Commissioning and Service

The OAP Duct is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).

### External Static Pressure (ESP) Range

72,000 - 96,000 Btu/h Standard: 0.98" WC  
Min./Max. Range: 0.20" - 1.18" WC



Find specification on P79

# DVM Whisper

**Available Capacities (Btu/h):** 5,000 | 7,000 | 9,000 | 12,000 | 15,000 | 18,000 | 24,000 | 28,000

The DVM Whisper is a master of power and efficiency. With its unique triangular design and motorized vertical (up/down) auto-swing louver, air is delivered faster and farther than a conventional high wall unit.



## Features

### Outstanding Performance

The DVM Whisper is equipped with a large fan which can operate at a lower RPM to reduce noise level while maintaining optimal airflow.

### Easy Installation

Access wire, pipe, and drain connections through a removable bottom panel for easier installation and service.

### Simple Maintenance

Electro-static, washable, pleated filter included with unit.

(accessible from the front/top of the unit)

### Advanced Commissioning and Service

The DVM Whisper is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).

Find specification on P80-P82

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# Max

**Available Capacities (Btu/h):** 32,000

The Max system provides a solution for heating or cooling of larger high occupancy space.

## Features

### Improved Filtration

The Full HD (High Density) filter offers improved filtration by removing small dust particles for clean and fresh air.

(Included with unit)

### Advanced Commissioning and Service

The Max system is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).



Find specification on P83

# Under Ceiling

**Available Capacities (Btu/h):** 18,000 | 24,000

The Under Ceiling unit boasts a slim, compact design and flexible configuration.

## Features

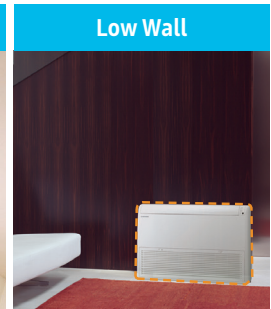
### Flexible Installation

Under ceiling or low wall installation options allow for more effective use of available space.

### Advanced Commissioning and Service

The Under Ceiling is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).

Note: External EEV must be supplied. 1, 2, and 3 Indoor unit EEV kits are available  
Find specification on P84



# Big Ceiling

**Available Capacities (Btu/h):** 36,000 | 48,000

The Big Ceiling unit has a larger fan and return air section, resulting in more coverage in less time.

## Features

### Powerful Air Throw

The Big Ceiling unit offers 4-45° louver positioning for up to 49 ft. of air throw to maximize air circulation.

### Easy Access

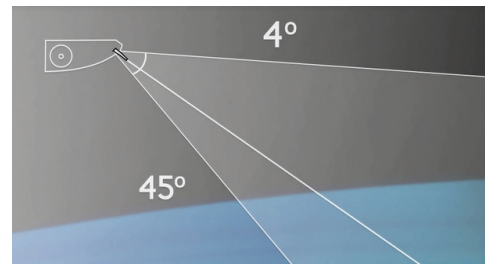
Parts are easily accessible through the bottom and side panel.

### Fresh Outside Air

Fresh air inlet to allow simple introduction of outside air.



(Under ceiling mount only)



### Advanced Commissioning and Service

The Big Ceiling is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).

Find specification on P85

# Floor Standing

**Available Capacities (Btu/h):** 6,000 | 9,500 | 12,000 | 18,000 | 24,000

Floor Standing units compensate for conditions such as high ceilings or windows to deliver consistent cooling and heating performance.



(concealed type)



(exposed type)

## Features

### Flexible Installation

Offered in both exposed and concealed-type to meet the needs of various applications.

### Easy Maintenance

Simply remove the filter from the bottom of the unit and clean with a vacuum or soft brush and place back into the unit.

### Advanced Commissioning and Service

The Floor Standing unit is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).





# Multi-Position Air Handler (MPAH)

**Available Capacities (Btu/h):** 12,000 | 18,000 | 24,000 | 30,000 | 36,000 | 48,000 | 54,000 | 60,000 | 72,000

Samsung's MPAH provides a wide range of capacities and offers the convenience of a common-style indoor unit with our DVM S system. This highly adaptable unit can be installed in numerous positions (upflow, left, right, or downflow) for added installation flexibility.

## Features

### External Static Pressure (ESP) Range

12,000 - 72,000 Btu/h Standard: 0.40" WC

12,000 Btu/h Min./Max. Range: 0.10" - 0.50" WC

18,000 - 24,000 Btu/h Min./Max. Range: 0.10" - 0.70" WC

30,000 - 72,000 Btu/h Min./Max. Range: 0.10" - 1.0" WC

### Flexible Installation

With the ability to be installed in a vertical or horizontal position, the Multi-Position Air Handler provides installation flexibility for various applications.

### Supplemental Heat

An optional supplemental electric heat kit is available if an additional source of heat is required.

### Improve Air Quality

To raise indoor air quality, a 1 in. or 2 in. accessory filter kit is available for upflow applications. Can be configured for downflow with accessory Downflow Conversion Kit (sold separately).

### Increased Static Pressure

High static pressure capabilities allow for longer duct runs to accommodate varying applications.

### Advanced Commissioning and Service

The Multi-Position Air Handler is equipped with a removable EEPROM chip on the main circuit board to store unit option settings, serial number, unit tag, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).



# Universal Communication Kit (UCK)

The Universal Communication Kit (UCK) allows the connection and operation of Samsung DVM S outdoor units to third party air handling units. This leverages the advantages of DVM S inverter technology and efficiency with custom air handling units. A single UCK capacity ranges from 7,000 to 384,000 Btu/h\* (32 tons). The UCK consists of dedicated PCB (printed circuit board) and temperature sensors.

## Features

Option settings - can be used with standard air handling units or dedicated outside air system (DOAS) units that use 100% outside air.

Economizer output for connection to third-party economizer controller (cooling Thermo-ON output).

Free cooling input – used with economizer controller to allow the fan to operate in cooling mode.

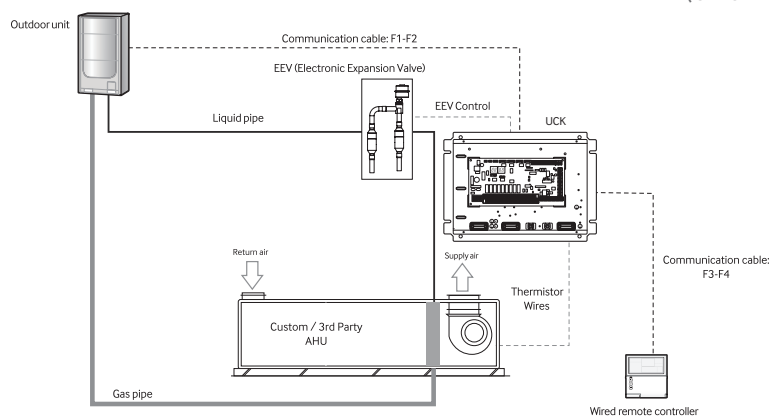
Allows up to 4 EEV connections (EEV sold separately).

Enthalpy sensor (field provided) connection for inlet air use.

Discharge air temperature control

Simple Building Management System (BMS) control – can be used to control set temperature or discharge air temperature (0-10V input). Mode can also be changed with a dry contact input.

UCK Structure Diagram

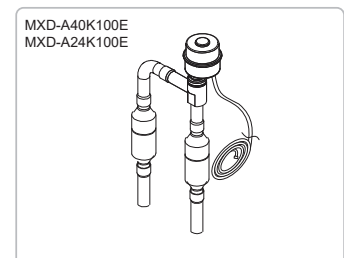
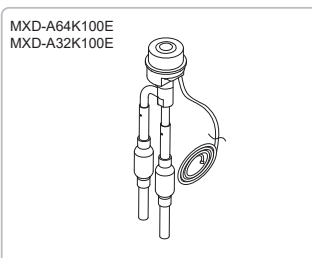


## Electronic Expansion Valve (EEV)

The UCK requires the use of EEV's to control refrigerant to a custom air handling unit (AHU). The EEV's are available in four sizes ranging from 12,000 to 96,000 Btu/h of rated capacity. Up to four MXD-A64K100E EEV's can be used on a single UCK to deliver the maximum rated capacity of 384,000 Btu/h for a heat pump system. The various EEV sizes and ability to use multiple EEV's with a single UCK provide engineers with flexibility and convenience when designing custom AHU systems.

The EEV(s) can be field installed on the AHU at the project site or at the coil manufacturer's facility. After installation of the EEV(s), the capacity setting is completed during commissioning of the system. This configuration can be done via a wireless remote, wired controller, or S-NET Pro2 service software (MIM-C02N service tool is required).

EEV Kit (Electronic Expansion Valve) for Universal Communication Kit



Electronic Expansion Valve (EEV) sold separately

\*Maximum 108,000 Btu/h for a single kit when used on Heat Recovery systems due to Mode Control Unit (MCU) port capacity limitation.  
Use of UCK requires training prior to sales approval





# Outdoor Units



# Overview

## DVM S

Heat Pump and Heat Recovery



6 ton



8, 10, 12, 14 and 16 ton



18 ton\*

## DVM S Max Heat®

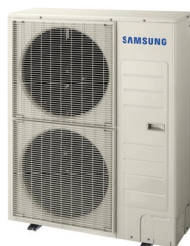
Heat Pump and Heat Recovery



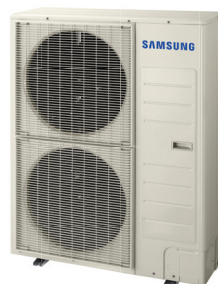
6 and 8 ton

## DVM S Eco

Heat Pump and Heat Recovery



3, 4, and 4.5 ton



5 ton

## DVM S Water

Heat Pump and Heat Recovery



3.18, 3.98, and 4.55 ton\*\*



6, 8, and 10 ton



16 and 20 ton

## DVM Chiller

Heat Pump












10 and 15 ton

\*Available in 460V only

\*\*Heat Pump only

# Capacity Chart

System Type		Frame	3	3.18	3.98	4	4.5	4.55	5	6	8	10	12	14	15	16	18	20	
Air Source	DVM S Eco	<ul style="list-style-type: none"><li>Heat Pump and Heat Recovery System</li><li>Available in 230V</li><li>1 Ø</li><li>Non-modular</li></ul> 	<div><div></div><div></div></div>			<div><div></div><div></div></div>	<div><div></div><div></div></div>		<div><div></div><div></div></div>										
	DVM S	<ul style="list-style-type: none"><li>Heat Pump and Heat Recovery System</li><li>Available in 230V and 460V</li><li>3 Ø</li></ul> 	<div><div></div><div></div></div>							<div><div></div><div></div></div>									
												<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>		<div><div></div><div></div></div>		
		<ul style="list-style-type: none"><li>Heat Pump and Heat Recovery System</li><li>Available in 460V</li><li>3 Ø</li></ul> 																<div><div></div><div></div></div>	
	DVM S Max Heat®	<ul style="list-style-type: none"><li>Heat Pump and Heat Recovery System</li><li>Available in 230V and 460V</li><li>3 Ø</li></ul> 									<div><div></div><div></div></div>	<div><div></div><div></div></div>							
	DVM Chiller	<ul style="list-style-type: none"><li>Heat Pump System</li><li>Available in 230V and 460V</li><li>3 Ø</li></ul> 											<div><div></div><div></div></div>			<div><div></div><div></div></div>			
Water Source	DVM S Water	<ul style="list-style-type: none"><li>Heat Pump System</li><li>Available in 230V</li><li>1 Ø</li><li>Non-modular</li></ul> 	<div><div></div><div></div></div>	<div><div></div><div></div></div>			<div><div></div><div></div></div>												
										<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>							
		<ul style="list-style-type: none"><li>Heat Pump and Heat Recovery System</li><li>Available in 230V and 460V</li><li>3 Ø</li></ul> 									<div><div></div><div></div></div>						<div><div></div><div></div></div>	<div><div></div><div></div></div>	

• Heat Pump • Heat Recovery

**DVM S** - connect up to 3 units for system capacities up to 44 tons

**DVM S Max Heat®** - connect up to 3 units for system capacities up to 24 tons

**DVM Chiller** - connect up to 16 units for system capacities up to 240 tons

**DVM S Water\*** - connect up to 3 units for system capacities up to 50 tons

Visit [www.ahridirectory.org](http://www.ahridirectory.org) to view the rated combinations.

All systems should be designed using DVM-Pro design software for proper combinations of equipment.

\*Applies to 3 Ø models only

# Standard Features

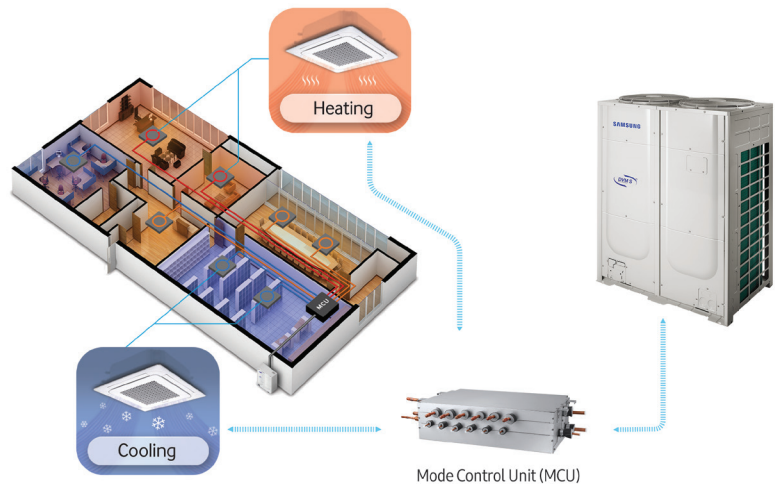
## Comfort

### Ultimate Zoning Solution

Samsung DVM S systems allow for precise temperature control in multiple zones, providing comfort to a wide range of occupants. Heat Recovery systems add the capability to heat and cool separate zones simultaneously making it a superior choice.

### Quiet Operation

Samsung systems are meticulously designed with the user in mind, and minimizing sound levels is a key design aspect our engineers focus on.



## Design Flexibility

### Compact Size

Small outdoor unit footprints allow for installation in applications where space is limited, such as on crowded rooftops, or in tight mechanical closets. DVM S systems feature a design combination ratio of 50 - 200%\*\* . Combination ratios above 100% means connecting more indoor unit capacity than outdoor capacity taking advantage of shifting building loads^.

### Wide Variety of Indoor Unit Options

Our indoor units offer superior performance, flexible installation, and ease of operation. These units employ innovative technologies, like our Wind-Free™\* Cooling technology, to optimize comfort in any environment. With over 10 types of indoor units, ranging from 5,000 to 96,000 Btu/h, there are solutions for almost any application.



\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

\*\*Restrictions apply.

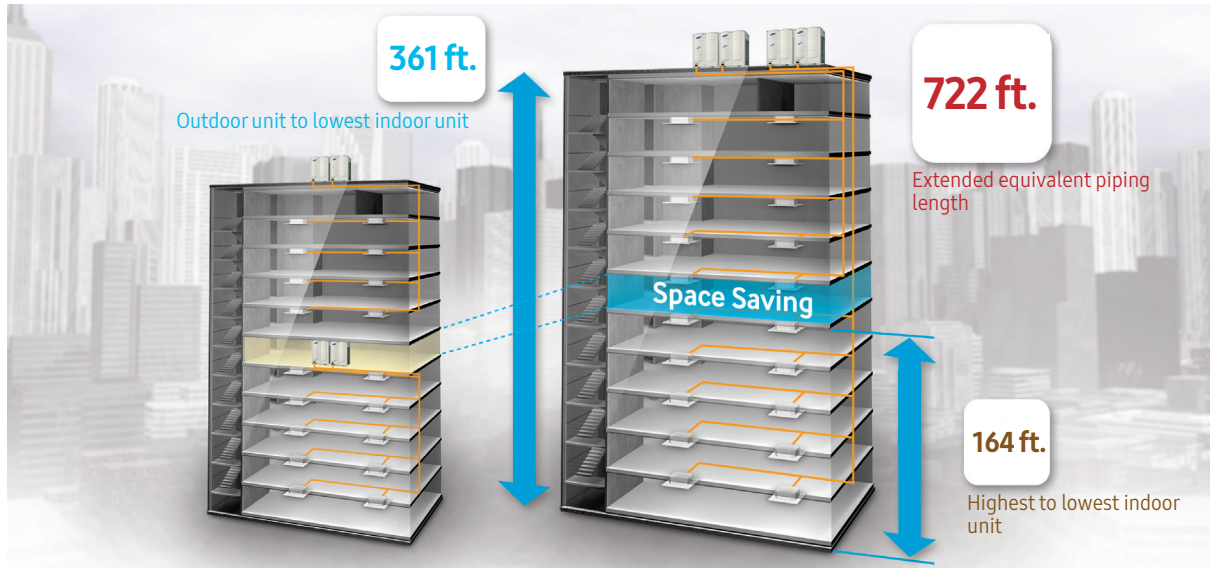
^Designs above 130% requires an engineering review for approval.



# Design Flexibility (cont.)

## Extended Piping Length

DVM S systems offer installation flexibility with extended piping length up to 722 ft., vertical separation up to 361 ft. between the outdoor unit and furthest indoor unit, and 164 ft. between the highest and lowest indoor units.



Applies to DVM S and DVM S Max Heat® systems

## Control Integration Options

A number of control options are available to fit a variety of project needs, from simple local controllers to full central control options. This allows the capability to integrate into any Building Management System (BMS) through BACnet, LonWorks, or Modbus.

## Advanced Commissioning and Service

DVM S systems are equipped with a removable EEPROM chip on the main circuit board to store startup information, system settings, serial number, and other field programmed data. This allows for ease of startup, commissioning, product registration, and future service work when using Samsung service software (S-Net Pro2).

# Performance

## Flash Injection Technology

DVM S systems\* feature flash injection compressor technology that increases heating performance with a two-phase refrigerant that is activated during heating mode in low ambient conditions.

## Efficient

Samsung DVM S systems feature several smart technologies that are designed to deliver comfort and efficiency. These systems provide the perfect solution for businesses looking to optimize power and energy costs.



\*Excludes DVM S Eco 3, 4, and 4.5 ton, and DVM S Water systems.

# Performance (cont.)

## Intelligent Defrost Technology

DVM S systems do not only consider time and temperature like most VRF systems, but temperature and also outdoor heat exchanger air resistance to determine when to start defrost operation†.

## ASTM-B117-18 Salt Spray Corrosion Testing

According to ASTM-B117-18, the Salt Spray test method conducted on the heat exchanger showed no unusual rust or corrosion development to 2,280 hours.

## Wide Operating Range

DVM S systems are designed to operate from 120°F (49°C) ambient to as low as -13°F (-25°C).

## Cooling and Heating Capacity Correction

Capacity correction options for cooling and heating are easily programmed at the outdoor unit and allow for custom setting of evaporator target temperature in cooling mode and target high pressure in heating mode. These settings are also available using a DMS 2.5 which can be configured with other variables for complete custom capacity control.

### Cooling capacity correction

Cooling capacity correction is used to increase or decrease cooling capacity depending on project needs. Compressor frequency is controlled by target low pressure, which is calculated from the average of evaporator inlet temperatures.

Outdoor Unit Option	Option Setting	Remarks
Cooling capacity correction	44.6-48.2°F (7-9°C)	Target evaporator temperature °F (°C)*
	41-44.6°F (5-7°C) (default)	
	48.2-51.8°F (9-11°C)	
	50-53.6°F (10-12°C)	
	51.8-55.4°F (11-13°C)	
	53.6-57.2°F (12-14°C)	
	55.4-59°F (13-15°C)	

\*Target evaporator temperature = Average temperature of Evaporator Inlet sensors

Low pressure < Target low pressure < High pressure

Excessive capacity

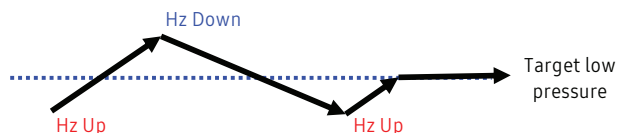
Insufficient capacity

Comp Hz down

Comp Hz up

Capacity decreasing

Capacity increasing



### Heating capacity correction

Heating capacity correction is used to increase or decrease heating capacity depending on specific project requirements. Compressor frequency is controlled by target high pressure.

Outdoor Unit Option	Option Setting	Remarks
Heating capacity correction	435 (Factory default)	Target high pressure (psi)
	363	
	377	
	392	
	406	
	421	
	450	
	464	
	479	

High pressure < Target high pressure < High pressure

Insufficient capacity

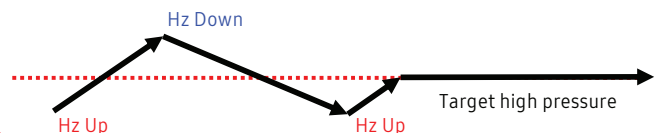
Excessive capacity

Comp Hz up

Comp Hz down

Capacity increasing

Capacity decreasing



## Priority Cooling with Auxiliary Heat

Priority Cooling with Auxiliary heat allows a DVM S Heat Pump system in priority cooling to activate an external heating source for indoor units requiring heating operation while one or more indoor units require cooling operation. This allows the outdoor unit to operate in cooling mode while some indoor units heat with an external source, providing greater operational flexibility\*. This function is ideal for shoulder month operation or in regions where other forms of heating are considered economical to operate.

†Excludes DVM S Water systems.

\*Excludes DVM S Eco, DVM S Water, and DVM Chiller systems.

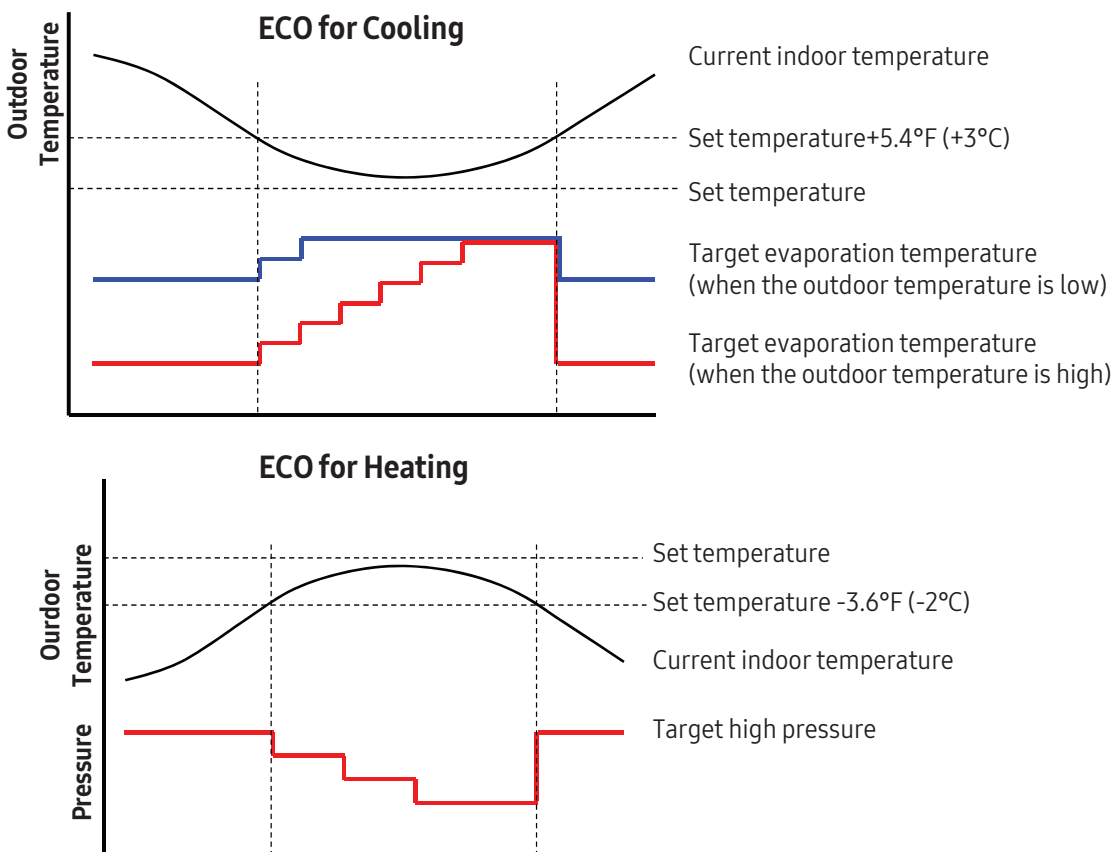
# Performance (cont.)

## Energy Control Operation (ECO)

When enabled, ECO mode monitors outdoor temperature and indoor unit room and set temperatures to save energy by adjusting system variables.

When room temperature nears set temperature in cooling mode, the system will automatically increase the target evaporator inlet temperature to save energy. As the room temperature increases, the system will automatically lower the target evaporator inlet temperature to increase capacity.

When room temperature nears set temperature in heating mode, the system will automatically lower the target high pressure to save energy. As the room temperature decreases, the system will automatically increase the target high pressure to increase capacity.



## Low Ambient Heating

With the ability to produce high heating capacity at -13°F (-25°C), our DVM S systems are a smart solution for commercial buildings in areas that experience low outdoor ambient temperature. Some models may produce up to 100% heating capacity at -13°F (-25°C) outdoor ambient temperature.

## Low Ambient Cooling

Compatible with both DVM S Heat Pump and Heat Recovery models, our Low Ambient Cooling Hood provides 100% cooling capacity down to -13°F (-25°C). Advanced integrated logic allows for louver positioning based on outdoor unit high pressure, outdoor ambient temperature, compressor compression ratio, and operating mode. LACH Kit sold separately.

## Auto Changeover (ACO)

DVM S 3 Ø air-source Heat Pump outdoor units\* can switch mode of operation from heating to cooling or cooling to heating based on certain conditions and option settings when indoor units are in auto mode. ACO options can be used with or without a Mode Master indoor unit. Please refer to the installation manuals of the equipment being used for full setting details.

\*Excludes DVM Chiller systems.

## DVM S

DVM S systems offer a wide range of sizes, system combinations and control options, providing flexible designs and applications.



6 ton



8, 10, 12, 14, and 16 ton



18 ton\*

- Heat Pump and Heat Recovery models
- 208-230V / 60Hz / 3 Ø or 460V / 60Hz / 3 Ø
- 6, 8, 10, 12, 14, 16, and 18 ton\* single modules
- Connect up to 3 units for system capacities up to 44 tons
- Connect up to 64 indoor units
- Outdoor unit static pressure up to 0.32" WC

## Features

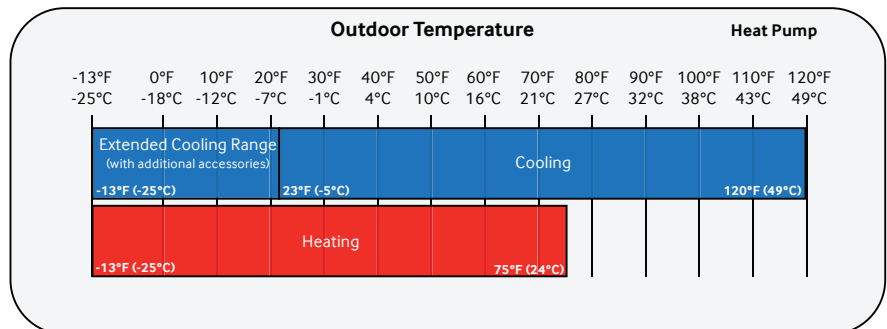
### Wide Operating Temperature Range

#### Heat Pump Operation

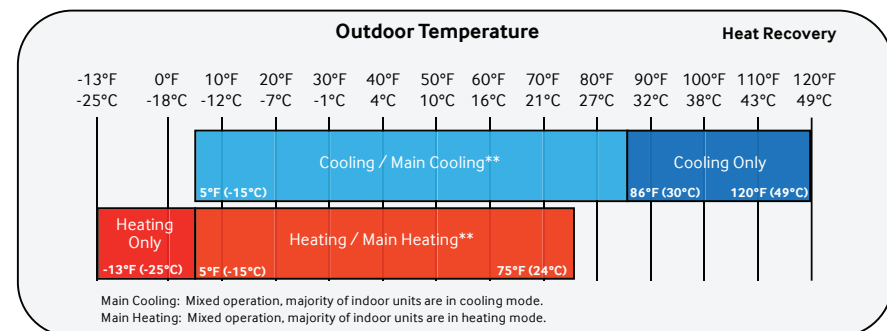
- Standard operating range in cooling mode from 23°F (5°C) to 120°F (49°C), down to 5°F (-15°C) with side/rear panels, and down to -13°F (-25°C) with full Low Ambient Cooling Hood (LACH) kit
- Standard operating range in heating mode from -13°F (-25°C) to 75°F (24°C)

#### Heat Recovery Operation

- Standard operating range in cooling mode from 5°F\*\* (-15°C\*\*) to 120°F (49°C)
- Standard operating range in heating mode from -13°F (-25°C) to 75°F (24°C)
- Operating range in simultaneous mode (cooling main) from 5°F\*\* (-15°C\*\*) to 86°F (30°C)\*\*\*
- Operating range in simultaneous mode (heating main) from 5°F\*\* (-15°C\*\*) to 75°F (24°C)



Please refer to the Technical Data Book and installation manual for full details of operating ranges.



Main Cooling: Mixed operation, majority of indoor units are in cooling mode.  
Main Heating: Mixed operation, majority of indoor units are in heating mode.

Please refer to the Technical Data Book and installation manual for full details of operating ranges.

\*Available in 460V only

\*\*Modified pipe design and option setting needed for cooling to 5°F (-15°C) outdoor ambient.

\*\*\*Up to 125°F (51.6°C) when connected to split DOAS units (AM\*\*\*NNDDCV/AA) or Universal Communication Kits (MCM-D211UN) when configured as DOAS units.

# DVM S (cont.)

## Demand Load Shedding

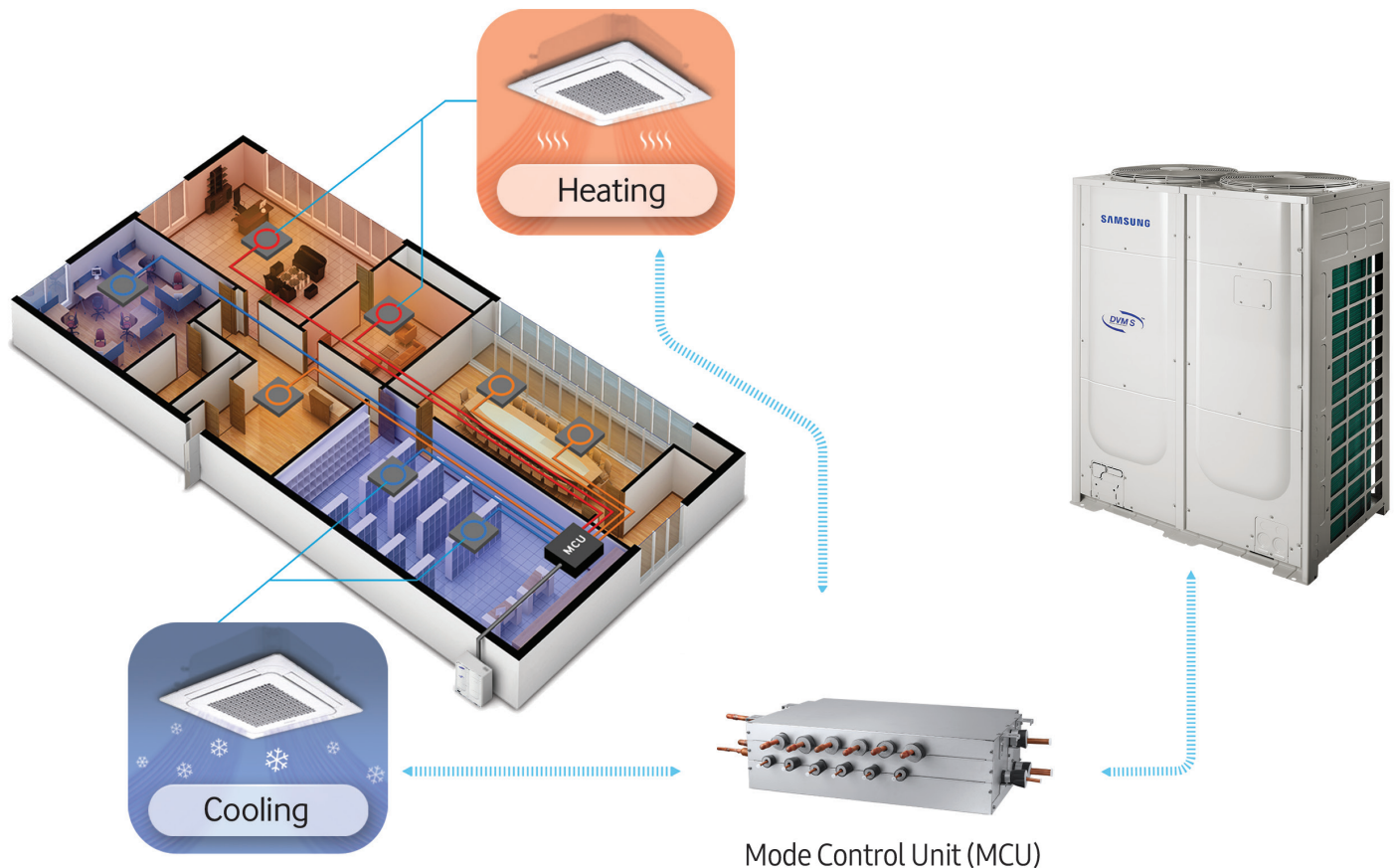
Using Samsung central controls can satisfy utility electrical or power load shedding. Many utility companies provide rebates to reduce energy usage during peak times. This can be done using a DMS 2.5 or BACnet gateway.

## Current Limiting

Outdoor option setting gives the installer the ability to limit the maximum current to reduce total system energy consumption. Settings range is 50-100% of the Minimum Circuit Ampacity (MCA) value printed on the unit's data tag.

## Ultimate Zoning Solution

Heat Recovery systems can heat and cool separate zones simultaneously to provide comfort to a wide range of occupants.



## Standard Features†

- Ultimate Zoning Solution
- Quiet Operation
- Compact Size
- Wide Variety of Indoor Unit Options
- Extended Piping Length
- Advanced Commissioning and Service

- Auto Changeover (ACO)
- Flash Injection Technology
- Efficient
- Intelligent Defrost Technology
- Low Ambient Heating
- Low Ambient Cooling

- Priority Cooling with Auxiliary Heat
- ASTM-B117-18 Salt Spray Corrosion Tested
- Cooling and Heating Capacity Correction
- Wide Operating Range
- Energy Control Operation (ECO)
- Control Integration Options

†See standard features detail on P24-P27  
DVM-Pro software is required to properly design DVM S systems. DVM-Pro design software is available for download on SamsungHVAC.com.

Find specification on P93-P122



# DVM S Max Heat®

DVM S Max Heat® can provide 100% heating performance at -13°F (-25°C), providing comfort and reliability for applications in extreme climate conditions.



6 and 8 ton

- Heat Pump and Heat Recovery models
- 208-230V / 60Hz / 3 Ø or 460V / 60Hz / 3 Ø
- 6 and 8 ton single modules
- Connect up to 3 units for system capacities up to 24 tons
- Connect up to 49 indoor units
- Outdoor unit static pressure up to 0.32" WC

## Features

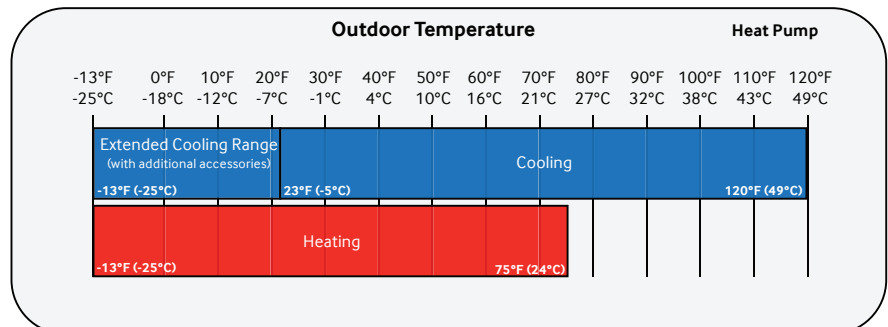
### Wide Operating Temperature Range

#### Heat Pump Operation

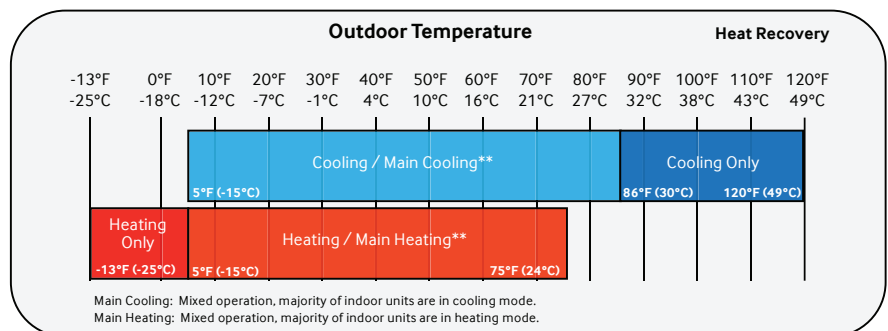
- Standard operating range in cooling mode from 23°F (5°C) to 120°F (49°C), down to 5°F (-15°C) with side/rear panels, and down to -13°F (-25°C) with full Low Ambient Cooling Hood (LACH) kit.
- Standard operating range in heating mode from -13°F (-25°C) to 75°F (24°C)

#### Heat Recovery Operation

- Standard operating range in cooling mode from 5°F\*\* (-15°C\*\*) to 120°F (49°C)
- Standard operating range in heating mode from -13°F (-25°C) to 75°F (24°C)
- Operating range in simultaneous mode (cooling main) from 5°F\*\* (-15°C\*\*) to 86°F (30°C)\*\*
- Operating range in simultaneous mode (heating main) from 5°F\*\* (-15°C\*\*) to 75°F (24°C)



Please refer to the Technical Data Book and installation manual for full details of operating ranges.



Main Cooling: Mixed operation, majority of indoor units are in cooling mode.  
Main Heating: Mixed operation, majority of indoor units are in heating mode.

Please refer to the Technical Data Book and installation manual for full details of operating ranges.

\*\*Modified pipe design and option setting needed for cooling to 5°F (-15°C) outdoor ambient.

\*\*\*Up to 125°F (51.6°C) when connected to split DOAS units (AM\*\*\*NNDCV/AA) or Universal Communication Kits (MCM-D211UN) when configured as DOAS units.

# DVM S Max Heat® (cont.)

## Demand Load Shedding

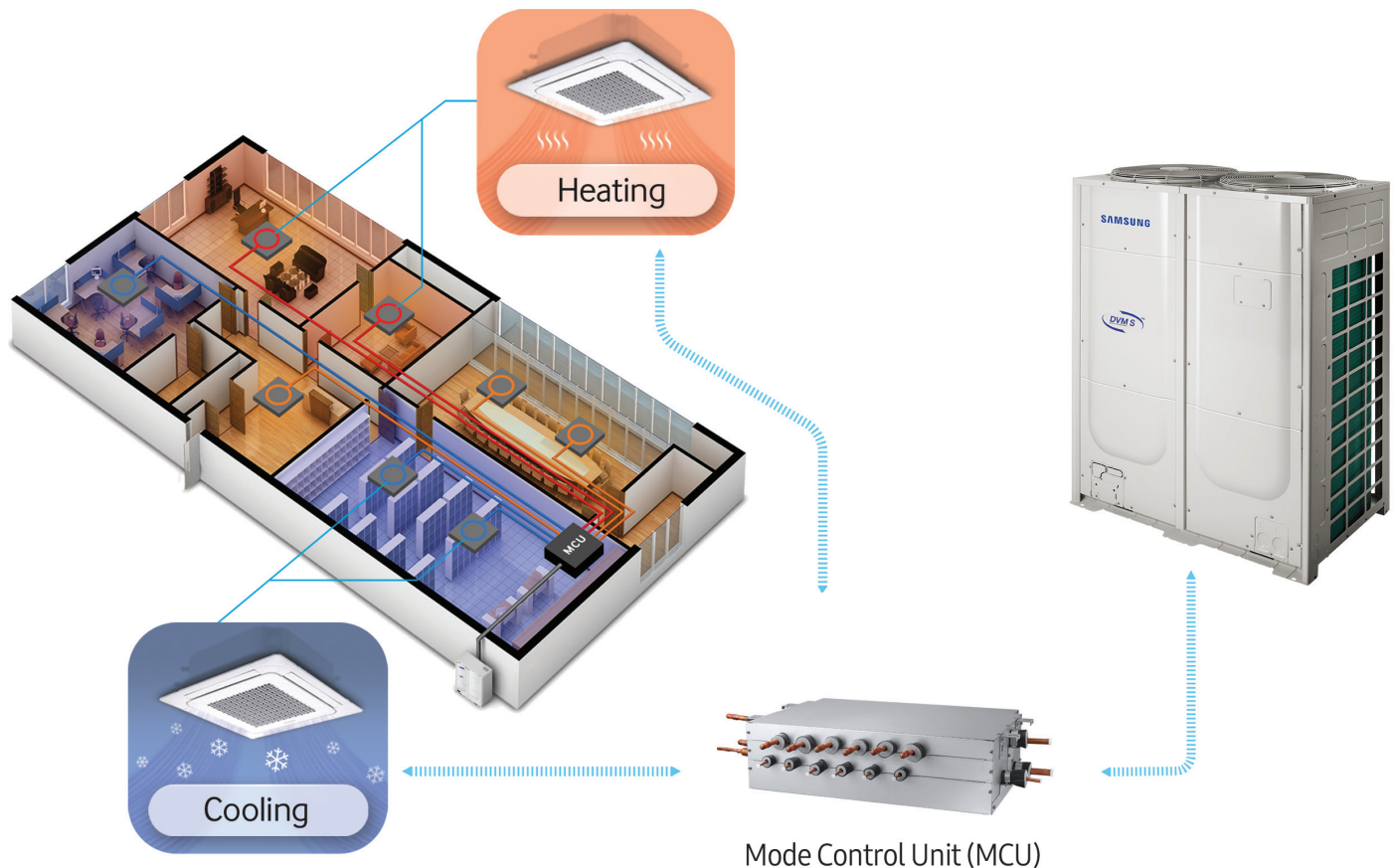
Using Samsung central controls can satisfy utility electrical or power load shedding. Many utility companies provide rebates to reduce energy usage during peak times. This can be done using a DMS 2.5 or BACnet gateway.

## Current Limiting

Outdoor option setting gives the installer the ability to limit the maximum current to reduce total system energy consumption. Settings range is 50-100% of the Minimum Circuit Ampacity (MCA) value printed on the unit's data tag.

## Ultimate Zoning Solution

Heat Recovery systems can heat and cool separate zones simultaneously to provide comfort to a wide range of occupants.



## Standard Features†

Ultimate Zoning Solution  
Quiet Operation  
Compact Size  
Wide Variety of Indoor Unit Options  
Extended Piping Length  
Advanced Commissioning and Service

Auto Changeover (ACO)  
Flash Injection Technology  
Efficient  
Intelligent Defrost Technology  
Low Ambient Heating  
Low Ambient Cooling

Priority Cooling with Auxiliary Heat  
ASTM-B117-18 Salt Spray Corrosion Tested  
Cooling and Heating Capacity Correction  
Wide Operating Range  
Energy Control Operation (ECO)  
Control Integration Options

†See standard features detail on P24-P27  
DVM-Pro software is required to properly design DVM S systems. DVM-Pro design software is available for download on SamsungHVAC.com.

Find specification on P123-P134

DVM S Eco

This compact system is the perfect choice for high efficiency heating and cooling of residential and light commercial needs.



- Heat Pump and Heat Recovery\* models
- 208-230V / 60Hz / 1 Ø
- 3, 4, 4.5, and 5 ton single modules
- Connect up to 10 indoor units

Features

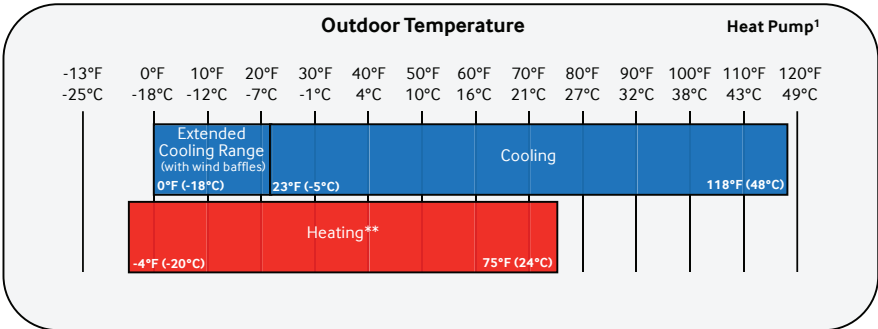
Wide Operating Temperature Range

Heat Pump Operation

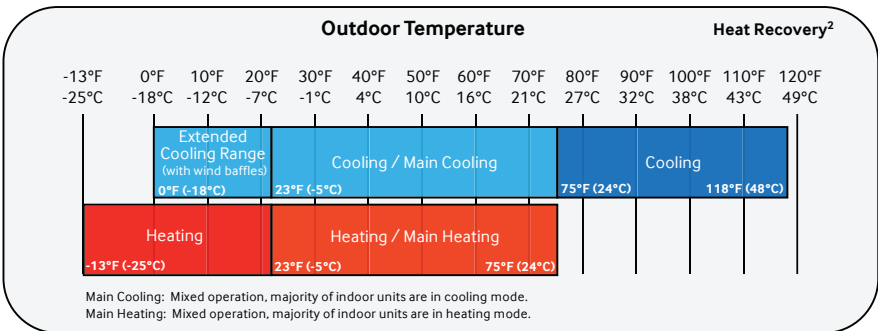
- Standard operating range in cooling mode from 23°F (5°C) to 118°F (48°C), and down to 0°F (-18°C) with wind baffles
- Standard operating range in heating mode from -4°F\*\* (-20°C\*\*) to 75°F (24°C)

Heat Recovery Operation

- Standard operating range in cooling mode from 23°F (-5°C) to 118°F (48°C)
- Standard operating range in heating mode from -13°F (-25°C) to 75°F (24°C)
- Operating range in simultaneous mode (cooling main) from 23°F (-5°C) to 86°F (30°C)
- Operating range in simultaneous mode (heating main) from 23°F (-5°C) to 75°F (24°C)



Please refer to the Technical Data Book and installation manual for full details of operating ranges.



Please refer to the Technical Data Book and installation manual for full details of operating ranges.

\*Requires HR Changer  
\*\*Operating range in heating mode from -13°F (-25°C) – 75°F (24°C) for the 5 ton Heat Pump system  
<sup>1</sup>Applies to 3, 4, and 4.5 ton Heat Pump models only  
<sup>2</sup>Includes 5 ton Heat Pump model

# DVM S Eco (cont.)

## Demand Load Shedding

Using Samsung central controls can satisfy utility electrical or power load shedding. Many utility companies provide rebates to reduce energy usage during peak times. This can be done using a DMS 2.5 or BACnet gateway.

## Current Limiting<sup>^</sup>

Outdoor option setting gives the installer the ability to limit the maximum current to reduce total system energy consumption. Settings range is 50-100% of the Minimum Circuit Ampacity (MCA) value printed on the unit's data tag.

## Flexible Pipe Connections

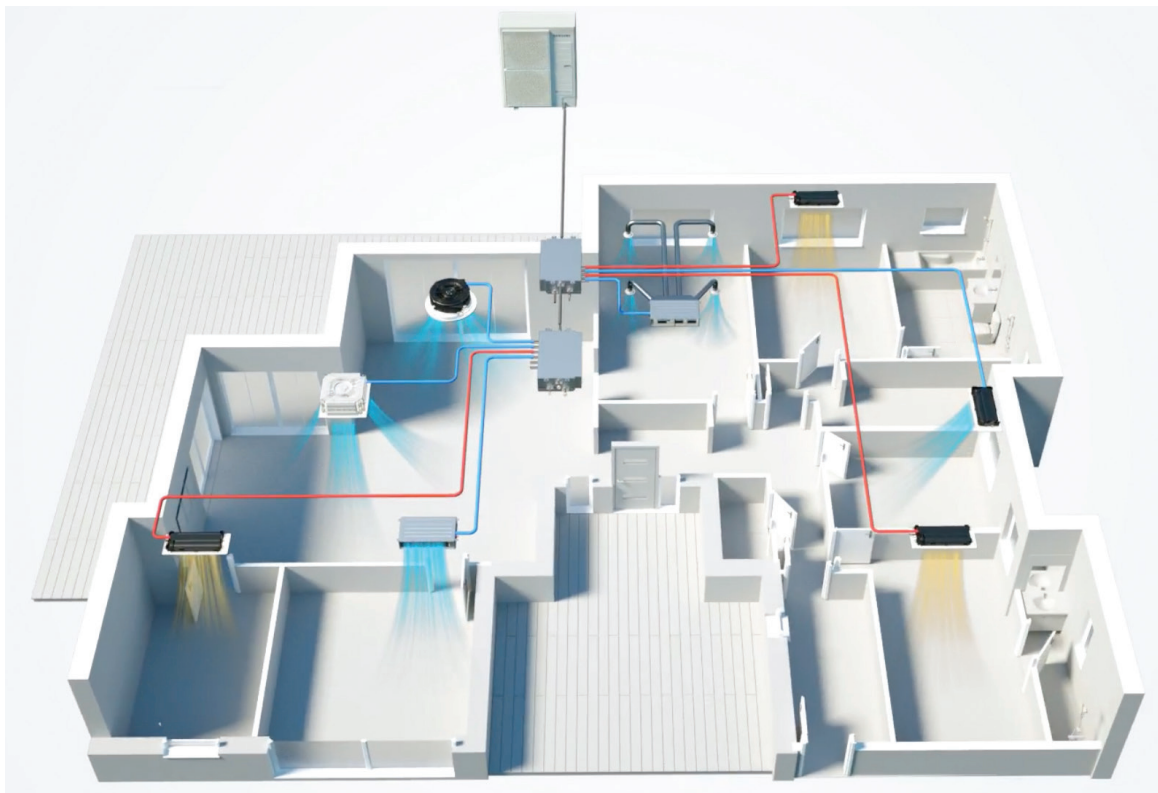
Refrigerant piping can enter from the front, rear, bottom, or side of the outdoor unit.

## Extended Piping Length<sup>\*\*</sup>

DVM S Eco systems offer installation flexibility with maximum piping length up to 492 ft., vertical separation up to 164 ft. between the outdoor unit and lowest indoor unit (when the outdoor unit is above the indoor units), and 131 ft. between the highest and lowest indoor unit (when the outdoor unit is below the indoor units).

## Ultimate Zoning Solution

Heat Recovery systems can heat and cool separate zones simultaneously to provide comfort to a wide range of occupants.



## Standard Features<sup>†</sup>

Ultimate Zoning Solution  
Quiet Operation  
Compact Size  
Wide Variety of Indoor Unit Options  
Extended Piping Length<sup>\*\*</sup>

Advanced Commissioning and Service  
Flash Injection Technology<sup>\*</sup>  
Efficient  
Low Ambient Heating  
Low Ambient Cooling

ASTM-B117-18 Salt Spray Corrosion Tested  
Cooling and Heating Capacity Correction  
Wide Operating Range  
Energy Control Operation (ECO)  
Control Integration Options

<sup>\*</sup>5 ton models only

<sup>\*\*</sup>Restrictions apply

<sup>†</sup>See standard features detail on P24-P27

DVM-Pro software is required to properly design DVM S systems. DVM-Pro design software is available for download on SamsungHVAC.com.

<sup>\*</sup>Excludes 3, 4, and 4.5 ton Heat Pump models

Find specification on P135-P138

# DVM S Water

These advanced water source condensers are applicable for both commercial and residential applications. It's a great option for retrofit or new construction projects that are using closed-loop water systems or geothermal sources for their heating and cooling needs.



3.18, 3.98, and 4.55 ton

- Heat Pump models
- 208-230V / 60Hz / 1 Ø
- 3.18, 3.98, and 4.55 ton single modules
- Connect up to 9 indoor units



6, 8, and 10 ton



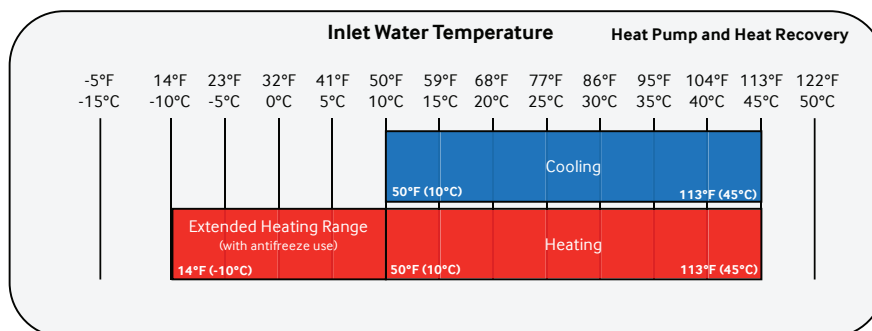
16 and 20 ton

- Heat Pump and Heat Recovery models (setting configured during installation)
- 208-230V / 60Hz / 3 Ø or 460V / 60Hz / 3 Ø
- 6, 8, 10, 16, and 20 ton single modules
- Connect up to 3 units for system capacities up to 50 tons
- Connect up to 64 indoor units

## Features

### Water Temperature Range

- Cooling operation water temperature range from 50°F (10°C) to 113°F (45°C)
- Heating operation water temperature range from 14°F\* (-10°C\*) to 113°F (45°C)



Please refer to the Technical Data Book and installation manual for full details of operating ranges.

### Demand Load Shedding

Using Samsung central controls can satisfy utility electrical or power load shedding. Many utility companies provide rebates to reduce energy usage during peak times. This can be done using a DMS 2.5 or BACnet gateway.

### Current Limiting

Outdoor option setting gives the installer the ability to limit the maximum current to reduce total system energy consumption. Settings range is 50-100% of the Minimum Circuit Ampacity (MCA) value printed on the unit's data tag.

### Ultimate Zoning Solution\*\*

Heat Recovery systems can heat and cool separate zones simultaneously to provide comfort to a wide range of occupants.

\*Extended heating range when using antifreeze  
 \*\*3 Ø Heat Recovery models only



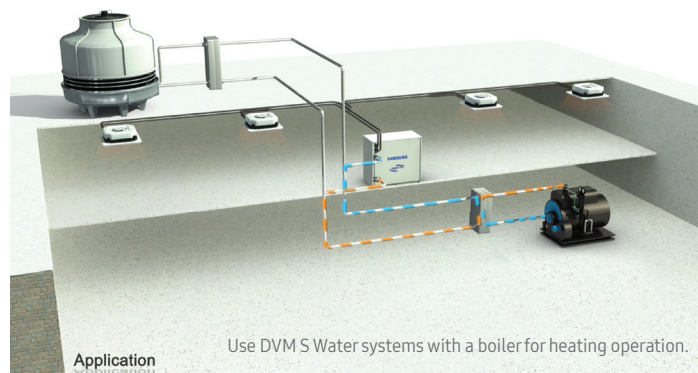
# DVM S Water (cont.)

## Extended Piping Length\*\*

DVM S Water systems offer installation flexibility with maximum piping length up to 558 ft., vertical separation up to 164 ft. between the condenser and lowest indoor unit (when the condenser is above the indoor units), 131 ft. between the condenser and highest indoor unit (when the condenser is below the indoor units), and 164 ft. (Heat Pump) or 131 ft. (Heat Recovery) between the highest and lowest indoor units. Indoor units on a Heat Recovery system connected to the same MCU have a vertical separation up to 49 ft.



DVM S Water with Cooling Tower



## Standard Features†

Ultimate Zoning Solution\*\*  
Quiet Operation  
Compact Size  
Wide Variety of Indoor Unit Options

Extended Piping Length\*\*  
Advanced Commissioning and Service  
Efficient

Cooling and Heating Capacity Correction  
Energy Control Operation (ECO)  
Control Integration Options

\*\*3 Ø models only

†See standard features detail on P24-P27

DVM-Pro software is required to properly design DVM S systems. DVM-Pro design software is available for download on SamsungHVAC.com.

Find specification on P139-P161

# DVM Chiller

The DVM Chiller provides a chilled water solution for replacement and new design solutions, while maintaining the DVM S benefits. It connects to multiple third-party fan coil units via water piping to provide cooling and heating to individual zones. Like VRF outdoor units, the DVM Chiller can modulate its capacity depending on the requirements of the various zones, which saves energy and improves occupant comfort.



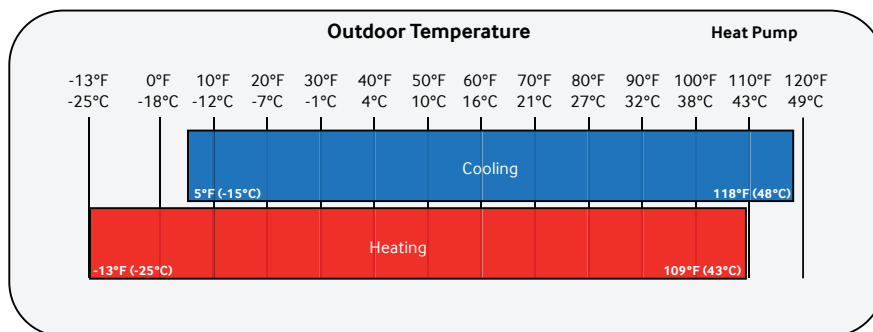
10 and 15 ton

- Heat Pump models
- 208-230V / 60Hz / 3 Ø or 460V / 60Hz / 3 Ø
- 10 and 15 ton modules
- Connect up to 16 units for system capacities up to 240 tons
- Outdoor unit static pressure up to 0.32" WC
- Water temperature ranges
  - Cooling: 41°F - 77°F (5°C - 25°C) as standard, 14°F - 77°F (-10°C - 25°C)\*
  - Heating: 77°F - 131°F (25°C - 55°C)\*\*

## Features

### Wide Temperature Range

- Cooling operation outdoor temperature range from 5°F (-15°C) to 118°F (48°C)
- Heating operation outdoor temperature range from -13°F (-25°C) to 109°F (43°C)



Please refer to the Technical Data Book and installation manual for full details of operating ranges. Optional settings to automatically adjust leaving water temperature based on outdoor ambient temperature or indoor ambient temperature.

### Modular Design and Compact Size

Easy to combine and fit multiple units even when space is limited. The DVM Chiller's compact size reduces the time, cost, and effort to transport, move, and install a system.

### Operation Patterns

The DVM Chiller features three operational patterns. Patterns include standard, rotation, and efficiency.

### Flash Injection Technology

The DVM Chiller features flash injection compressor technology that increases heating performance with a two-phase refrigerant that is activated during heating mode in low ambient conditions.

\*When using brine solutions. Please see technical data book or installation manual.

\*\*Optional settings to automatically adjust leaving water temperature based on outdoor ambient temperature or indoor ambient temperature. DVM-Pro software is required to properly design DVM S systems. DVM-Pro design software is available for download on SamsungHVAC.com.

# DVM Chiller (cont.)

Optional Fan Coil Unit (FCU) Control Kits and Fan Coil Interface Modules are available to control and integrate third-party fan coil units to Samsung central and local controls.



MCM-A00UN

## Module Controller

- Required to operate the DVM Chiller
- DVM Chiller ON/OFF control (module/group)
- Operation mode, water outlet temperature setting
- Optional operation setting, module/group setting
- Weekly operation schedule setting



MIM-F00N

## FCU Control Kit

- Communication and control interfacing kit between 3rd party fan coil unit and Samsung control system
- Requires MIM-F10N Interface Module
- Compatible with MWR-SH11UN, MWR-WE13UN, and MWR-WG00JN wired controllers
- Provides external contact input
- Output control signal for fan coil unit fan/water valve

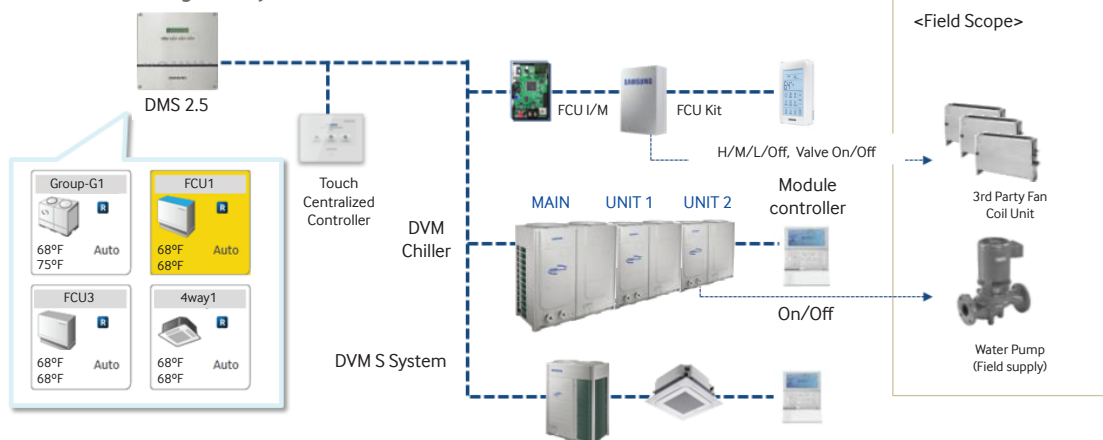


MIM-F10N

## FCU Interface Module

- Communication interface module between FCU Control Kit and upper-level controller
- Used with MIM-F00N FCU Control Kits
- Supports FCU Kit only
- Maximum connection of 16 FCU Control Kits

## DVM Chiller Integrated System



Control and monitor Samsung standard indoor units along with third-party fan coil units using a FCU control kit with the DMS 2.5 web interface.

Find specification on P162-P163

# Mode Control Unit (MCU)

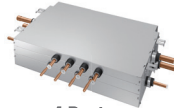
Mode Control Units (MCU) are required for Heat Recovery systems which allows for simultaneous heating and cooling. MCU's are available in 1, 2, 4, and 6 port units and can connect up to 8 indoor units per port.



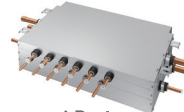
1 Port



2 Port



4 Port



6 Port



HR Changer\*

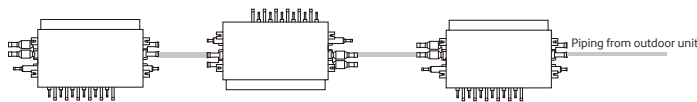
## Features

- Brazed pipe connections
- No condensate connection required
- Allows for piping of cooling only indoor units direct to suction pipes bypassing an MCU. MCU series piping connection reduces the number of brazed joint connections.
- 3-pipe connection on either side (right and left) for serial piping connection (MCU to MCU) for easy installation and cost savings (excludes single port MCU with right side connection only).
- Auto-addressing function

### Advantages of MCU series piping connection

Series piping connection reduces the number of braze joints and Y-joints required, and allows for the main pipe to enter either side of the MCU for greater installation flexibility. Excludes HR Changer for DVM S Eco Heat Recovery System.

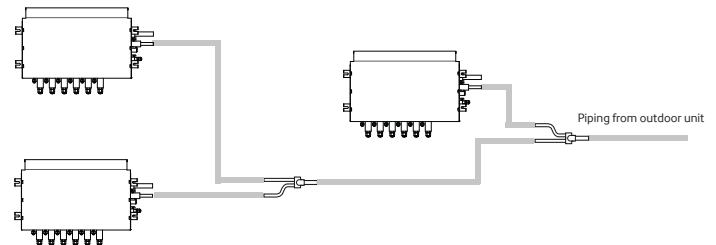
#### MCU series connection without Y-Joints



15 total braze joints to connect MCU's

\*one line shown for piping for clarity

#### MCU series connection with Y-Joints



27 total braze joints to connect MCU's

### Multiple indoor units on a single port

- All indoor units on a single port operate like a single indoor unit (no mixed operation for units connected to a common port)
- Cost effective way to condition large open areas with multiple indoor units without using additional ports
- Maximum 8 indoor units on a single port
- Reduce the number of MCUs required



\*Required for DVM S Eco Heat Recovery System



# Ventilation





## Fresh Access™

# Packaged Dedicated Outside Air System (DOAS)

The Fresh Access™ packaged DOAS unit can provide up to 100% outside air to meet ASHRAE Standard 62.1 and ASHRAE Standard 90.1 requirements for fresh air and efficiency. Up to 20,000 CFM, systems range from 3 to 70 tons, has multiple heat source options, and integrates with Samsung central controls for simplified operation.

Bundle your Samsung HVAC systems with our Fresh Access™ DOAS units to provide a total HVAC solution for your customers. Samsung HVAC provides startup and commissioning supervision for your Samsung HVAC systems and Fresh Access™ DOAS units, making support after installation simple and painless.

The Fresh Access™ Packaged DOAS is custom built to order.



## Features

### Evaporator, Reheat, and Sub-Cooling Coils

Full phase liquid refrigerant sub-cooling provides greater dehumidification capacity in a more compact footprint. This enhanced sub-cooling results in reducing the evaporator temperature while boosting latent capacity of the system with no increase in compressor power consumption.

### Advantages of refrigerant sub-cooling/ air reheating:

- Only a single coil is required in the air stream leaving the main (cooling) DX coil
- Pressure drop is greatly reduced across the coils and reduced motor horsepower for the blowers

### Direct-Drive Supply Fan

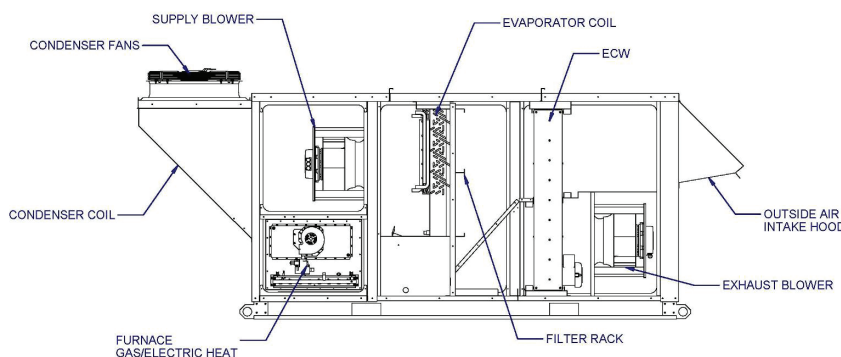
Exhaust and condenser fans with high efficiency, ODP (Open Drip Proof) or TEFC (Totally Enclosed Fan Cooled) motors. Optional ECM (Electrically Commutated Motor) and VFDs (Variable Frequency Drives) are available to improve efficiency.

### Energy Recovery Wheel

Pre-conditions fresh air with leaving exhaust air to help curtail energy usage.

### Condenser Coils

Fabricated of aluminum fins and mechanically expanded, seamless copper refrigeration tubing to help ensure long-term heat transfer from tube to fin.



# Fresh Access™

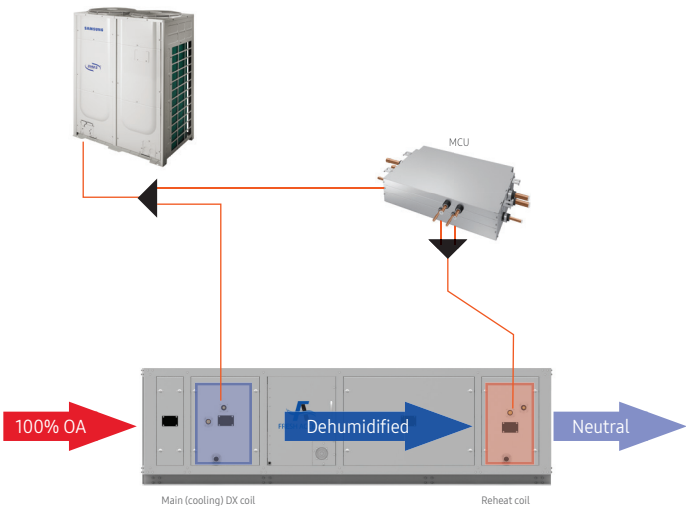
## Split Dedicated Outside Air System (DOAS)

The Fresh Access™ DOAS split system series is designed with DVM S Heat Recovery air cooled and water cooled outdoor units that provide 100% outside air with sizes of 1,200, 2,000, and 3,000 CFM. The split indoor section is equipped with a main (cooling) DX coil and reheat coil to dehumidify 100% outside air and provide fresh neutral air to the space.



### Features

- Requires 1 Heat Recovery MCU (Mode Control Unit) per split system to connect to DVM S Heat Recovery outdoor units (DVM S or DVM S Water).
- Uses a Variable Frequency Drive (VFD) to control fan speed. The unit is programmed and wired for Low (L), Medium (M), and High (H) fan speeds as standard, but can be programmed/configured for fixed fan speed.
- Dual-coil units cool the incoming air to dehumidify then warms it back up to neutral temperatures. The split DOAS unit has an enthalpy sensor in the inlet air stream, before the cooling coil. An enthalpy sensor is included to manage the system logic based on incoming outside air.
- Discharge temperature setting range: 64.4 °F - 109 °F (18 °C - 43 °C). This is a simple setting range. Pipe lengths, incoming air temperature, and actual discharge air temperature range will vary by model. Discharge air temperature control via wired controller, DMS 2.5, or BACnet (gateway required).
- MWR-WE13UN wired controller is installed in the control box as standard. The controller can be installed remotely.
- Systems should be selected and designed using the DVM-Pro design software.



NOTE: 2,000 and 3,000 CFM shown above.  
1,200 CFM model will connect differently.

### The Fresh Access™ Split DOAS can deliver fresh air by:

- 1 Venting directly into each room/ space with supply registers
- 2 Connecting the DOAS duct directly to cassette units or into the return air of ducted units
- 3 Ducting to other VRF equipment for further heating or cooling of the fresh air

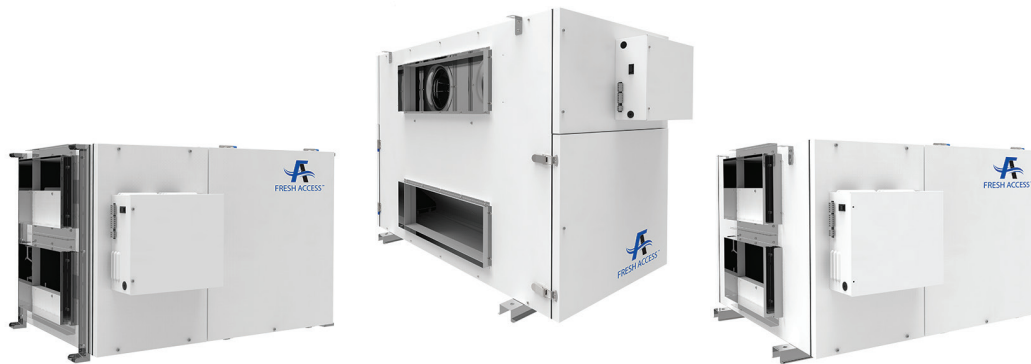
	1,200 CFM	2,000 CFM	3,000 CFM
Indoor Unit Model Number	AM120NNDDCV/AA	AM200NNDDCV/AA	AM300NNDDCV/AA
Connectable Outdoor Unit Model Number(s)	AM096FXVA*R2AA or AM096HXWA*R/AA	AM168HXVA*R2AA or AM168HXWA*R2AA	AM240JXVA*R2AA or AM240KXWA*R2AA
Required MCU	MCU-S4NEK3N	MCU-S2NEK2N	MCU-S2NEK2N

# Fresh Access™

## Energy Recovery Ventilator (ERV)

The Fresh Access™ Energy Recovery Ventilator (ERV) unit utilizes an energy recovery core media to improve indoor air quality by providing fresh air for commercial buildings, such as schools and office buildings, in both warm and humid climates and very cold climates. In warm and humid climates, the ERV will pre-cool and reduce moisture in the ventilation air, while in colder climates it will pre-heat and recover moisture for maximum occupant comfort.

By recovering the energy lost from ventilation, the Fresh Access™ ERV reduces energy costs for heating and cooling by lowering the demand on the air conditioning system. Complete with compact design and quiet operation, this highly specifiable package offers greater access to basis of design opportunities.



### Features

- Energy recovery core
- 22 gauge powder coated enclosure
- Single wall insulated
- Fans with backward curved blades
- Dual service doors and reversible electrical box
- External electrical box
- Full length drain pan
- Outdoor ducts on the same side
- Suspended or platform mounting options
- Removable screw terminal for easy connection
- 120V single phase power
- Push-pull configuration
- 3 Year Limited Warranty\*

### Options and Controls

- External three (3) position (Low/Stand By/High) rocker switch that will offer continuous ventilation
- Optional Eco-Touch touchscreen programmable wall controller
- Optional adapters to connect to Samsung central controls

ECO-TOUCH	Touch wired controller
MXD-K200VN	ERV Central control adapter (also requires MIM-N10 for connection to Samsung central controls)
MIM-N10	Central control interface module (can connect up to 16 ERV's via MXD-K200VN ERV adapters)

\*Fresh Access™ ERV's have a warranty that is limited to 3 years on all parts from the date of purchase, including parts replaced during this time period. If there is no proof of purchase available, the date associated with the serial number will be used for the beginning of the warranty period.

# Controls



# Central Controls

Samsung's Data Management Server (DMS 2.5) is a standalone web server that allows control and monitoring of Samsung residential, light commercial, and commercial systems.



- No additional software required. DMS is accessed via web browser.
- All management functions integrated
- Auto Changeover (ACO) option for Heat Pump models
- DMS 2.5 + BACnet or LonWorks available
- Setup for BACnet and LonWorks gateways is identical to DMS 2.5.
- Full indoor unit control with simple contact input (emergency/lock)
- 8 additional digital inputs for monitoring options (can be incorporated into control logic setting)
- 6 general purpose outputs to control other devices (on: 12VDC, off: 0 voltage)
- Digital outputs can be incorporated into control logic setting and daily schedules to control other devices.

## Features

## Easy Control and Monitoring

- Control up to a maximum of 256 indoor units
- Controls an entire floor or area within a floor
- Set temperature range limitation
- Operation lock (restrict cooling or heating mode)
- Cycle data monitoring (capability to view various temperature and pressure values)
- Daily/weekly schedule setup function
- Holiday settings
- Schedule history log to review any scheduled events that have occurred
- Power metering to a maximum of 256 indoor units
- Supports 2D layout for easier control and monitoring
- Supports dual temperature set points for each DVM S indoor unit
- Packaged DOAS monitor and control functions

## Web Server Services

- Multiple user access with various permission levels
- Local network control for remote access via public IP address

## Error Management

- Manage up to a maximum of 1,024 errors
- Error history log that contains equipment ID, error code description, and date and time of occurrence
- Error notification via email with description of error code, date and time of error occurrence, and whether the error status is resolved or unresolved

## Programmable Logic

- Allows users to specify inputs and outputs using “IF,” “OR,” “AND,” and “THEN” statements
- Programmable control logic can be used with outdoor units, indoor units, digital inputs, or digital outputs



# Central Controls (cont.)

## Demand Load Shedding

Demand Load Shedding can be accomplished using digital inputs and programmable control logic to limit outdoor unit current, change indoor unit set temperatures, and turn off less critical zones. Current control limitation setting\* is 50-100% of the MCA value printed on the unit's data tag.

## Heating Capacity Correction

The heating capacity correction feature allows the user to choose to increase or decrease heating capacity (within the physical limits of the system). This is accomplished by adjusting the settings in the outdoor unit's high pressure target setting, allowing the compressor speed to adjust according to the desired increase or decrease in heating capacity. Heating capacity correction can be adjusted at the outdoor unit, through DMS 2.5, or through BACnet when using the DMS 2.5 BACnet gateway.

## Cooling Capacity Correction

The cooling capacity correction feature allows the user to choose the target evaporator coil temperature (within the physical limits of the system) enabling for changes to the leaving air temperature.

Cooling capacity correction can be adjusted at the outdoor unit, through DMS 2.5, or through BACnet when using the DMS 2.5 BACnet gateway.

### Cooling capacity correction

Cooling capacity correction is used to increase or decrease cooling capacity depending on project needs. Compressor frequency is controlled by target low pressure, which is calculated from the average of evaporator inlet temperatures.

Outdoor Unit Option	Option Setting	Remarks
Cooling capacity correction	44.6-48.2°F (7-9°C)	Target evaporator temperature °F (°C)*
	41-44.6°F (5-7°C) (default)	
	48.2-51.8°F (9-11°C)	
	50-53.6°F (10-12°C)	
	51.8-55.4°F (11-13°C)	
	53.6-57.2°F (12-14°C)	
	55.4-59°F (13-15°C)	

\*Target evaporator temperature = Average temperature of Evaporator Inlet sensors

Low pressure < Target low pressure < High pressure

Excessive capacity

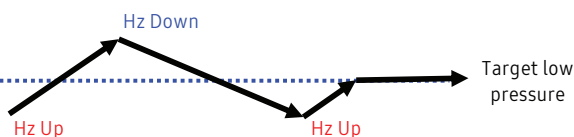
Insufficient capacity

Comp Hz down

Comp Hz up

Capacity decreasing

Capacity increasing



### Heating capacity correction

Heating capacity correction is used to increase or decrease heating capacity depending on specific project requirements. Compressor frequency is controlled by target high pressure.

Outdoor Unit Option	Option Setting	Remarks
Heating capacity correction	435 (Factory default)	Target high pressure (psi)
	363	
	377	
	392	
	406	
	421	
	450	
	464	
	479	

High pressure < Target high pressure < High pressure

Insufficient capacity

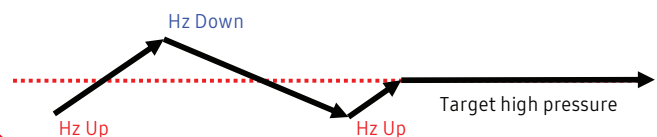
Excessive capacity

Comp Hz up

Comp Hz down

Capacity increasing

Capacity decreasing



\* Setting current limitation option may decrease overall system capacity.

# Wireless Controls

Samsung's wireless remote controls offer the simplest way to control a DVM S indoor unit. With their soft touch buttons and wide display screens, wireless remote controls provide occupants with basic indoor unit functions such as power ON/OFF, temperature setting, fan speed, and mode selection, along with select unit specific functions.



AR-KH03U<sup>†</sup>



AR-EH03U<sup>‡</sup>

# Wired Controls

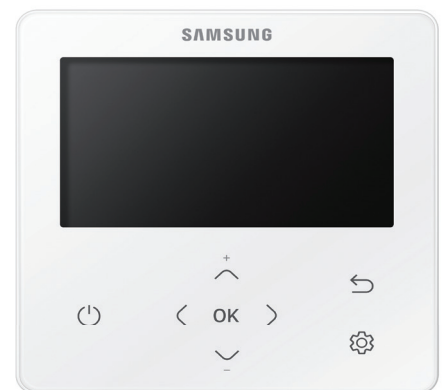
For applications where a wireless controller is not acceptable (i.e. public facilities), our wired controllers are an ideal option to meet a hard wired requirement.



Touchscreen Wired Controller  
MWR-SH11UN



Premium Wired Controller  
MWR-WE13UN



Advanced Wired Controller  
MWR-WG00JN

## Features

- Touchscreen
- ON/OFF timer
- LCD backlit screen
- Built-in room sensor
- IR Receiver
- Various lock features
- Group control for up to 16 indoor units
- Service mode settings and error code display
- Wind-Free™\* function

## Features

- 7-day programmable scheduling
- Built-in room sensor
- Independent louver control
- 360 directional airflow control
- Wind-Free™\* function
- Group control for up to 16 indoor units
- Service mode settings and error code display
- Built-in room sensor
- Auto-stop function

## Features

- Color screen
- Built-in room sensor
- Dual set-point\*\*
- Advanced heat pump auto changeover settings\*\*
- 7-day programmable scheduling
- Occupied/unoccupied settings
- Group control of up to 16 indoor units
- Energy monitoring\*\*
- IR receiver
- Service mode settings and error code display with description
- Wind-Free™\* function

<sup>†</sup>Duct S, Slim Duct, and HSP Duct models require use of MRK-A10N wireless receiver.

<sup>‡</sup>Compatible with 360 Cassette system only

\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

\*\*For supported units

# Thermostat Adapter

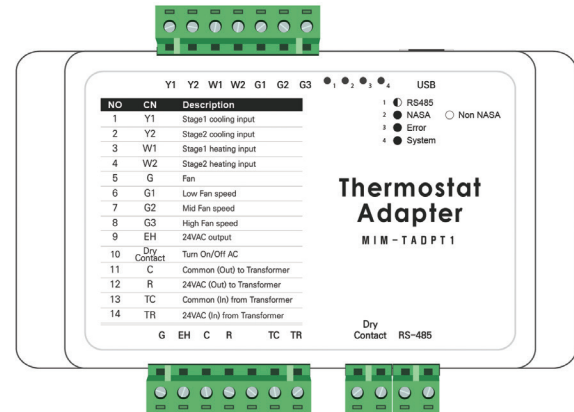
Our thermostat adapter (TADPT2) makes it very simple to use conventional 24VAC thermostats (3rd party supplied) to control up to two indoor units on the same system simultaneously.

## Basic Control Functions

- Power ON/OFF
- Mode: heat, cool, and fan (auto, low, medium, high)

## Features

- Supports 1 or 2 stages cooling inputs and heating inputs
- Can be configured to operate Samsung indoor units as primary heating source, secondary heating source, or cooling only with heat from an external source
- Emergency heat output



When controlling two indoor units the units must be in the same space as the thermostat and will be controlled as a group, not individually. A field provided 24VAC transformer is required. Samsung Multi-Position Air Handling units contain a 24VAC transformer. The TADPT2 connects to the F1/F2 system communication line, therefore it does not need to be installed on/in the indoor unit(s). Note: Central controls (DMS 2, DMS 2.5, MIM-H04UN, MCM-A300UN) cannot be used to control indoor units when using TADPT2 but monitoring only. TADPT2 will have priority when other controller devices are used and may cause undesired operation.

# Wi-Fi Adapter

Samsung's Wi-Fi Adapter allows for remote control and monitoring of Samsung indoor units from a mobile device (Android or iOS). The Wi-Fi Adapter can control and monitor up to 16 indoor units, has 7-day scheduling, and allows for group control.

## Features

- Maximum of 4 Wi-Fi Adapters per DVM S system
- Control up to 16 indoor units on up to 16 outdoor systems per Wi-Fi Adapter
- Control and monitoring through the SmartThings app\*
- Control/monitor indoor unit: power status, mode, set temperature, room temperature, fan speed, and supply air louver position
- 7-day scheduling for a single unit or multiple indoor units
- Group configuration option for simple control of multiple units at the same time (connected to the same Wi-Fi Adapter)
- Can be used with other Samsung central control options
- Power monitoring of supported indoor units
- Create simple automations and run rules in the SmartThings app
- Requires a local Wi-Fi router with DHCP enabled and an internet connection. Wi-Fi communication: 802.11b, g, n, supports both 2.4 GHz and 5 GHz. Mobile device must be on the local network for initial Wi-Fi adapter configuration and connection.
- Enable geo-fencing to automatically change system settings based on users location



\*Available for download on the Google™ Play store and App Store®. A network connection is required. Samsung application account is necessary.

# External Contact Control Interface Module

The External Contact Control Interface Module can be used for various functions on indoor and outdoor units. The external contact control is easily configured during startup. The MIM-B14 includes a mounting bracket and PCB connectors.



MIM-B14

## Standard Control

### Output

- Error output signal
- Thermo ON/OFF or Operation ON/OFF
- External heat ON/OFF
- Cooling thermo ON/OFF

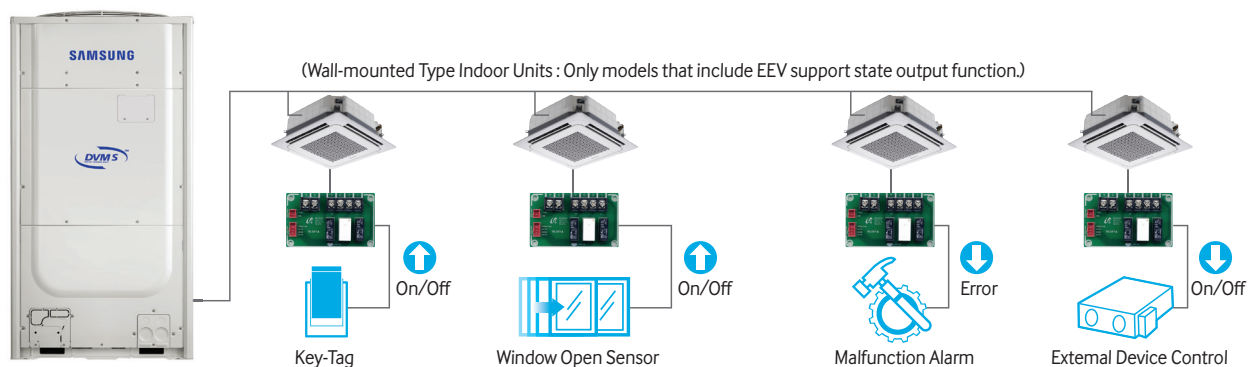
Refer to installation manuals for full details of input and output control.

### Input

- ON/OFF
- OFF only
- Window ON/OFF
- "Free cooling" input for supported models

## Functions

- Direct indoor unit ON/OFF control (a single IDU) by external contact, 0 volt signal
- Outdoor unit night time quiet mode manual activation by external contact, 0 volt signal (when installed in supported main DVM S outdoor units)
- Indoor unit control with simple contact input
- Indoor unit operation and error state output through relays
- Used for DVM S external heat control
- Examples of use: hotel key card switch, door/window switch, 3rd party occupancy sensors that use open/close dry contacts, enabling/disabling 3rd party ventilation units



# Accessories



MRW-TA

## External Room Temperature Sensor

- Sense room temperature in the occupied space, instead of the return air stream
- Includes 39' of connection wire
- Several field setting configurations for external temperature sensing and fan operation are available to satisfy various project requirements.



MCM-C210N

## Multi-Tenant Function Controller (MTFC)

- Connection to a single indoor unit
- Monitors supply voltage to the indoor unit and provides auxiliary power to that unit's PCB when supply voltage is removed to prevent full system failure.
- The auxiliary power provided from the MTFC (MCM-C210N) allows for the indoor unit to communicate with the outdoor unit and closes the electronic expansion valve (EEV) to prevent refrigerant from flowing through the evaporator coil.
- Field provided transformer and enclosure are required along with additional field wiring. MTFC must be on a separate power supply from the indoor unit.



MRK-A10N

## Wireless Signal Receiver

- Allows wireless control of concealed ducted and floor standing units
- ON/OFF control button
- LED indicators
- Recessed installation
- Includes interconnect cable



MCR-SMC

## Motion Detection Sensor for Wind-Free™ 4-Way Cassette

- Learns occupancy patterns to reduce run time between occupied and unoccupied times
- Automatically turns off or changes set temperature based on room occupancy



MCR-SMD

## Motion Detection Sensor for Wind-Free™ Mini 4-Way Cassette

- Learns occupancy patterns to reduce run time between occupied and unoccupied times
- Automatically turns off or changes set temperature based on room occupancy



MCR-SME

## Motion Detection Sensor for 360 Cassette

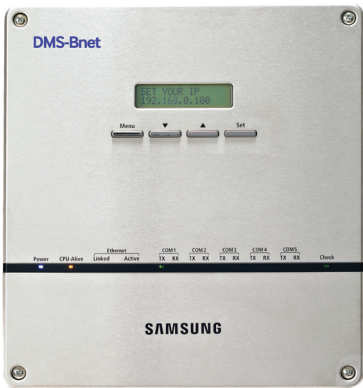
- Compatible with PC4NUDMUN fascia panel only
- Learns occupancy patterns to reduce run time between occupied and unoccupied times
- Automatically turns off or changes set temperature based on room occupancy

\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).



# Building Management

Samsung’s BACnet gateway and LonWorks gateway include the same functions available in the DMS 2.5 and allows you to integrate into the most widely used Building Management Systems.

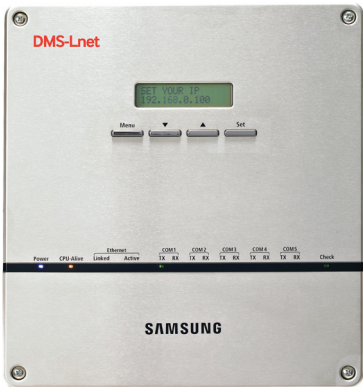


MIM-B17BUN

### Samsung BACnet Gateway

This gateway provides the functions of DMS 2.5 and serves as an interface for a BACnet based building management system. It can control a maximum of 256 indoor units and can be used in conjunction with S-NET 3 and the Touch Centralized Controller.

- Allows control and monitoring of Samsung HVAC systems via BACnet/IP
- Control and monitoring of up to 80 systems (maximum 16 per channel) and 256 indoor devices (maximum 128 per channel)
- Up to 25 control and monitoring points per indoor unit (actual points vary by indoor unit type)
- BTL (BACnet Testing Laboratories) certification to BACnet standard ISO 16484-5 protocol revision 1.12
- Full indoor unit control with simple contact input (emergency/lock)
- 8 additional digital inputs for monitoring options
- 6 general purpose outputs to control other devices (on: 12VDC, off: 0 voltage)



MIM-B18BUN

### Samsung LonWorks Gateway

This gateway provides the functions of DMS 2.5 and serves as an interface for a LonWorks based building management system. It can control a maximum of 128 indoor units and can be used in conjunction with S-NET 3 and the Touch Centralized Controller.

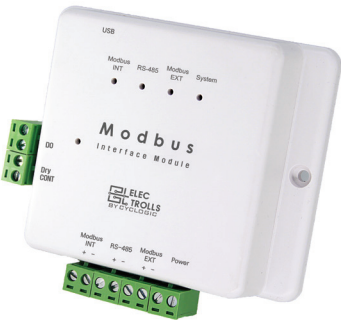
- Allows control and monitoring of Samsung HVAC systems via LON TP/FT-10A (free topology 78kbs)
- Control and monitoring of up to 80 systems (maximum 16 per channel) and 128 indoor devices (maximum 128 per channel)
- Up to 27 control and monitoring items are available per indoor unit (Actual quantity depends on connected number of devices.)
- Full indoor unit control with simple contact input (emergency/lock)
- 8 additional digital inputs for monitoring options
- 6 general purpose outputs to control other devices (on: 12VDC, off: 0 voltage)

# Modbus Adapter

The Modbus interface module will allow control of DVM S indoor units via Modbus remote terminal unit (RTU) communication protocol. Five different models are available to allow control and monitoring of 1 to 64 indoor units on a single system.

### Features

- Indoor unit ON/OFF status, operation mode, set temperature, room temperature, fan speed setting, louver position setting, and outdoor unit ON/OFF, operation mode, and error code
- External contact input to disable the unit when the contact is opened.
- Error output (digital output) provides 12 ~ 24 VDC when a system error occurs.



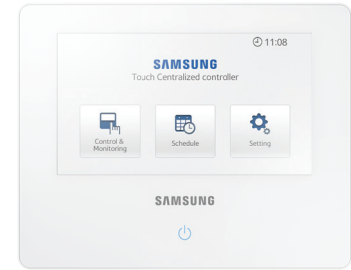
MODEL NUMBER	CL-MC0301C	CL-MC0308C	CL-MC0316C	CL-MC0332C	CL-MC0364C
MAX. NUMBER OF CONNECTED INDOOR UNITS	1	8	16	32	64

# Touch Centralized Controller

The Samsung Touch Centralized Controller is a 7 in. LCD color touchscreen that controls up to 128 indoor units and creates up to 12 zones with a maximum of 10 scheduling options for precise temperature control in multiple zones.

The Touch Centralized Controller can be used as a standalone central controller or used in conjunction with the DMS2.5, BACnet, or LonWorks gateways.

Control options include: ON/OFF, temperature setting, operation mode, fan speed, filter reminder setting, louver position setting, operation mode restriction setting, screen lock, group/zone control, and scheduling.



MCM-A300UN

## Features

- Customizable indoor unit and zone naming
- External device interlock (Digital Input: 2, Digital Output: 1)
- Energy Saving Control (schedule control and temperature setting restriction)
- Button lock and password
- Supports various languages
- Connect up to 16 systems
- Can connect to upper level communication line (R1/R2) or main communication line (F1/F2)
- Daylight saving time mode
- Displays and saves error history
- Free-voltage input: AC 110-240

# Pulse Input Module

Used in conjunction with the DMS 2.5 and Gateways, the Pulse Input Module (PIM) can monitor and record energy consumption from Samsung indoor units or pulse signals from other devices from water, gas, and electricity meters.



MIM-B16UN

- Energy consumption data can be reviewed through Samsung DMS 2.5, BACnet Gateway, LonWorks Gateway, or S-NET 3 software.
- Compatible with Samsung DVM S Heat Pump and Heat Recovery systems.
- Maximum of 8 Pulse Input Modules can be connected to a single DMS or Gateway.

## Features

- Interface with pulse-type electricity meters for electricity billing system (sourced locally)
- Pulse-type gas/water meter compatibility (sourced locally)
- Pulse coefficient setting (1wH/pulse - 10,000wH/pulse)
- Pulse width setting (20 ms~1,000 ms)
- Current time setting and display
- Configuration information display on LCD
- Error display (communication, out-of-range, pulse width, etc.)

# S-NET 3

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

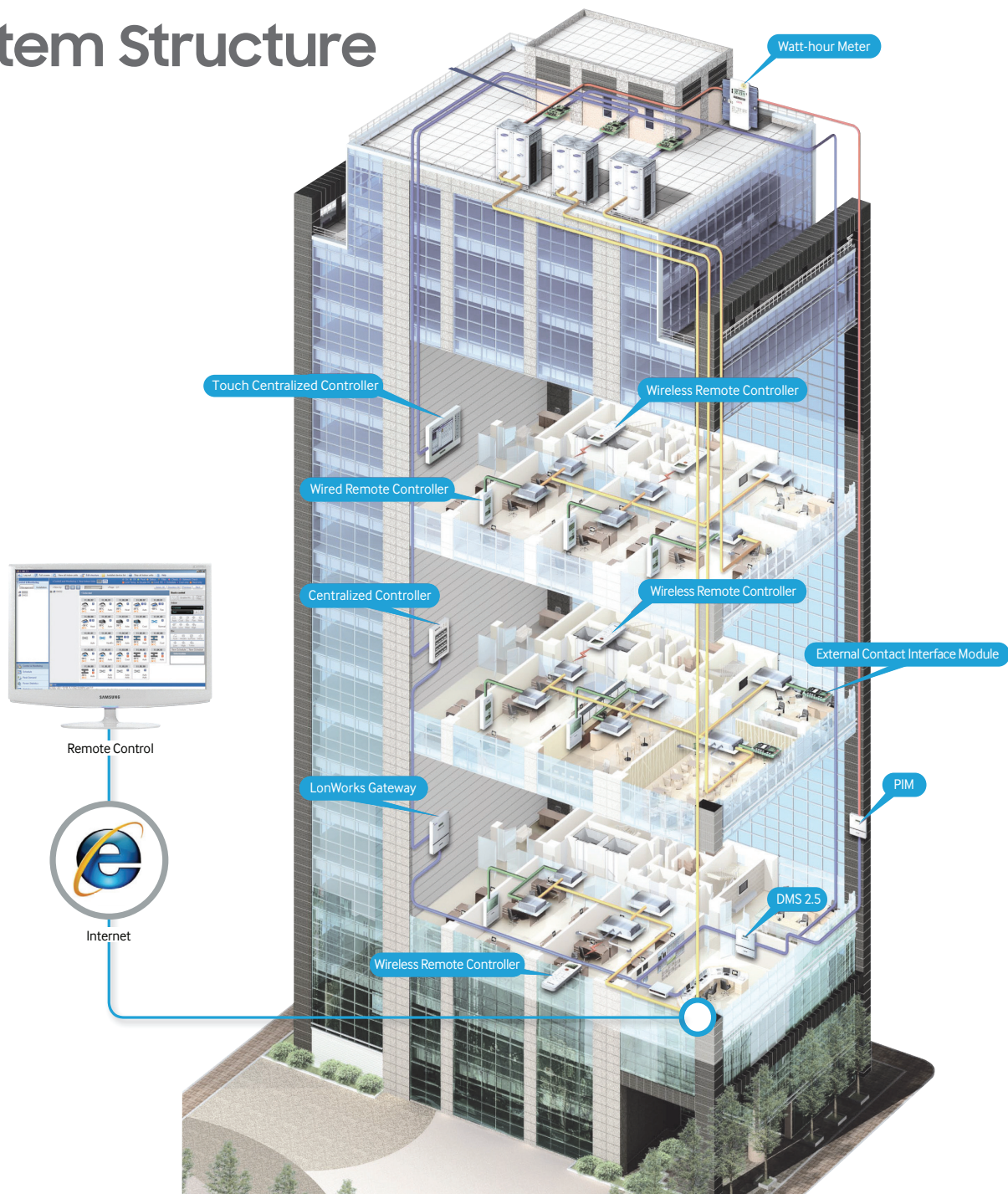
- Fully integrated PC management software
- For projects using multiple DMS controllers

# S-NET Pro2

Samsung's S-NET Pro2 service software can be downloaded and installed on a laptop and is used to setup, monitor, and control Samsung light commercial and commercial systems. S-NET Pro2 can also be used to record system operation data to help field personnel troubleshoot systems efficiently, check installation options settings, and verify proper operation of systems. The MIM-C02N service tool is required to use S-NET Pro2 and is sold separately.

For complete details and download information, please visit [SamsungHVAC.com](http://SamsungHVAC.com).

## System Structure



# Control Options

MODEL NUMBER	DESCRIPTION
MWR-SH11UN	Touchscreen wired controller
MWR-WE13UN	Premium wired controller
MWR-WG00JN	Advanced wired controller
AR-KH03U	Wireless remote controller (360 Cassette only)
AR-EH03U	Wireless remote controller
MRK-A10N	Wireless remote kit (wire and receiver) for concealed duct units (excluding MPAH)
MIM-B14	External contact control interface module - provides ON/OFF control, error status output, operation output, and/or supplemental external heat control
MRW-TA	External temperature sensor with wire
MCR-SMC	Pattern learning, motion detection sensor for Wind-Free™* 4-Way Cassette
MCR-SMD	Pattern learning, motion detection sensor for Wind-Free™* Mini 4-Way Cassette
MCR-SME	Pattern learning, motion detection sensor for 360 Cassette
MCM-C210N	Multi-tenant function controller
TADPT2	Thermostat adapter for connection of 24V thermostats to Samsung HVAC systems
MIM-H04UN	Wi-Fi adapter for remote access with mobile devices - can control up to 16 indoor units on a single system
MCM-A00UN	DVM Chiller module controller
MCM-A300UN	Touch Centralized Controller - maximum of 128 indoor units and MCU's
MCM-A202DUN	Centralized ON/OFF controller
MIM-D01AUN	Data Management Server (DMS) 2.5 Gateway - control up to 256 indoor units and MCU's via Internet Explorer
MIM-B17BUN	Data Management Server (DMS) 2.5 Gateway with BACnet - control up to 256 indoor units and MCU's via Internet Explorer and/or BMS
MIM-B18BUN	Data Management Server (DMS) 2.5 Gateway with LonWorks - control up to 128 indoor units and MCU's via Internet Explorer and/or BMS
MIM-B16UN	PIM (Pulse Input Module) for energy management (connection to Data Management Server (DMS) 2.5 required)
MST-P3P	S-Net 3 software for control of up to 4,096 indoor units and MCU's from a single computer; communicates with up to 16 Data Management Servers
MIM-N01	Interface module communication adapter (old to new / new to old communication)
MIM-F00N	DVM Chiller Fan Coil Unit (FCU) Control Kit
MIM-F10N	Fan coil unit interface module to connect DVM Chiller FCU Control Kits (MIM-F00N)
MIM-C02N	Communication converter (Requires S-Net Pro or S-Net Pro2 service software)

\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

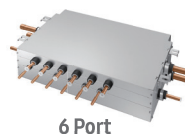




# Accessories



# Mode Control Unit (MCU)



MODEL NUMBER	NUMBER OF PORTS	DVM S ECO HEAT RECOVERY	DVM S HEAT RECOVERY	MAX. IDU (PER PORT)	MAX. IDU (TOTAL)	MAX. CAPACITY (PER PORT)	MAX. CAPACITY (2 TWINNED PORTS)	MAX. CAPACITY (TOTAL)
MCU-R4NEK0N	4 (HR CHANGER)	•	x	3	12	19,000 Btu/h	47,000 Btu/h	76,000 Btu/h
MCU-S6NEK3N	6 (SUB MCU)	•	•	3	18	19,000 Btu/h	47,000 Btu/h	76,000 Btu/h
MCU-S1NEK1N	1	•	•	8	8	54,000 Btu/h	N/A	54,000 Btu/h
MCU-S2NEK2N	2	•	•	8	16	54,000 Btu/h	108,000 Btu/h	108,000 Btu/h
MCU-S4NEK3N	4	•	•	8	32	54,000 Btu/h	108,000 Btu/h	216,000 Btu/h
MCU-S6NEK2N	6	•	•	8	32	54,000 Btu/h	108,000 Btu/h	216,000 Btu/h

# Universal Communication Kit (UCK)

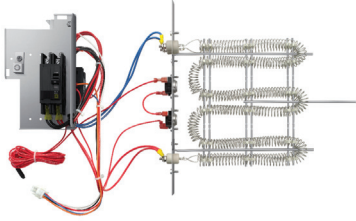
## Electronic Expansion Valve (EEV)

			MXD-A24K100E	MXD-A32K100E	MXD-A40K100E	MXD-A64K100E
CAPACITY	REFRIGERATION TON		1	2	4	8
	MINIMUM COOLING		7,000 Btu/h	18,000 Btu/h	30,000 Btu/h	60,000 Btu/h
	MAXIMUM COOLING		18,000 Btu/h	30,000 Btu/h	60,000 Btu/h	144,000 Btu/h
	MINIMUM HEATING		8,500 Btu/h	22,000 Btu/h	34,000 Btu/h	64,000 Btu/h
	MAXIMUM HEATING		22,000 Btu/h	34,000 Btu/h	64,000 Btu/h	108,000 Btu/h
AHU HEAT EXCHANGER VOLUME ALLOWANCE	MIN	in. <sup>3</sup>	28	71	118	236
	MAX	in. <sup>3</sup>	71	118	236	566
EEV IN/OUT CONNECTION	LIQUID PIPE	in.	3/8	1/2	3/8	1/2
	GAS PIPE	in.	3/8	1/2	3/8	1/2

RATED CAPACITY (Btu/h)	CAPACITY RANGE (Btu/h)	CONTROL KIT	CONTROL KIT QUANTITY	EEV KIT	EEV KIT QUANTITY
12,000	7,000 - 18,000	MCM-D211UN	1	MXD-A24K100E	1
12,000	7,000 - 18,000		1		1
24,000	7,000 - 30,000		1		1
36,000	30,000 - 42,000		1	MXD-A40K100E	1
48,000	42,000 - 60,000		1		1
60,000	60,000 - 72,000		1		1
72,000	72,000 - 96,000		1	MXD-A64K100E	1
96,000	96,000 - 144,000		1		1
144,000	144,000 - 192,000		1		2
192,000	192,000 - 240,000		1		2
240,000	240,000 - 288,000		1		3
288,000	288,000 - 336,000		1		3
336,000	336,000 - 384,000		1		4
384,000	384,000 Btu/h		1		4

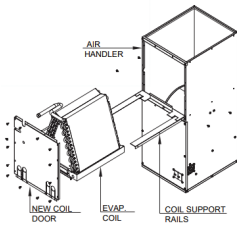
\*Required for DVM S Heat Recovery System

# Multi-Position Air Handler (MPAH) Electric Heat Kit



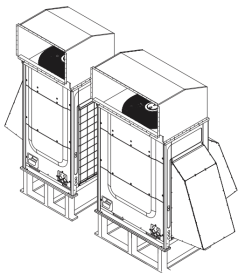
- Used for optional supplemental heat
- 8 options available
- From 3kW to 20kW

# Multi-Position Air Handler (MPAH) Downflow Conversion Kit



- Allows for downflow configuration
- 3 options available
- Requires EEV extension wire harness (sold separately)

# Outdoor Unit Wind / Hail Guards



- Designed to protect outdoor coils from high winds and hail
- 15 options available
- Compatible with DVM S and DVM S Max Heat® outdoor units

# Low Ambient Cooling Hood (LACH) Kit



- Used for low ambient cooling applications
- 9 options available
- Compatible with DVM S and DVM S Max Heat® outdoor units

## Isolation Valves



- Used to isolate piping sections or indoor units
- 11 options available

## Header Joints



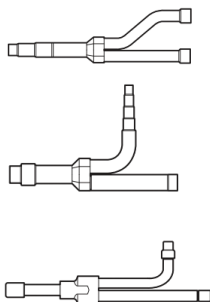
- 3 options available
  - 4 ports – Up to 160,000 Btu/h
  - 8 ports –  $160,000 \text{ Btu/h} \leq C \leq 240,000 \text{ Btu/h}$
  - 8 ports – Over 240,000 Btu/h

## Y-Joints



- Indoor Unit Y-Joint
  - Includes both liquid and suction fittings
  - 7 kits available
- HR High Pressure Gas Y-Joint
  - Used on Heat Recovery systems
  - 4 sizes available

## Outdoor Unit Refrigerant Tee Fittings



- Liquid and Suction Fitting
  - Includes various reducers and insulation
  - Required component for modular DVM S systems
- HR High Pressure Gas Fitting
  - Includes various reducers and insulation
  - Required component for modular Heat Recovery DVM S systems

# Condensate Pumps for Wall Mount Indoor Units



- Remote Mount Condensate Pump with Reservoir and Float Switch
  - Aspen® Mini Orange®, 110-250V
  - Aspen® Maxi Orange®, 110-250V
  - Blue Diamond MaxiBlue®, 208-230V

# Condensate Pumps for Duct Indoor Units



(Actual product appearance may vary)

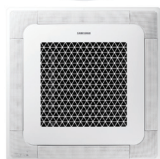
- Slim Duct Models – 29"
- HSP Duct (76K and 96K Btu/h) Models – 18 ½"
- OAP Duct Models – 29"

# Fascia Panels



## Compatible with the 360 Cassette

- 360° directional airflow
- Circle and square fascia panels available in black and white



## Compatible with the Wind-Free™\* 4-Way Cassette

- Eliminates cold drafts
- Allows for Wind-Free™\* operation in cooling mode



## Compatible with the Wind-Free™\* Mini 4-Way Cassette

- Eliminates cold drafts
- Allows for Wind-Free™\* operation in cooling mode



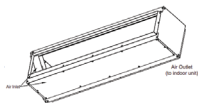
## Compatible with the Wind-Free™\* 1-Way Cassette

- Eliminates cold drafts
- Allows for Wind-Free™\* operation in cooling mode

\*The Wind-Free™ unit delivers an air current that is under 0.15 m/s while in Wind-Free™ mode. Air velocity that is below 0.15 m/s is considered "still air" as defined by ASHRAE 55-2013 (American Society of Heating, Refrigerating, and Air-Conditioning Engineers).

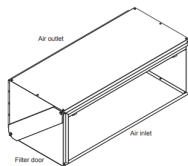


# Filter Boxes and Bases



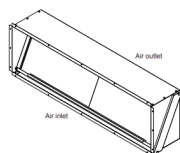
## Filter Box for Duct S\*

- 1" or 2" filter
- Filter sold separately



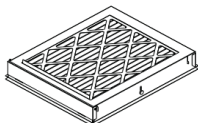
## Filter Box for HSP Duct\*

- 1" to 3" filter\*\*
- Filter sold separately



## Filter Box for OAP Duct\*

- 1" or 2" filter
- Filter sold separately



## Filter Base for Multi-Position Air Handler (MPAH)

- 1" or 2" filter
- 1" disposable pleated filter included

\*Filter not included. Field assembly is required.

\*\*Filter rail is 4". Nominal 4" filters can be used but will require removal of filter tension spring. Removing this will require destruction of tension spring.

# Specifications

# Specifications

## 360 Cassette

SPECIFICATIONS - 9,000 | 12,000 | 18,000

MODEL	INDOOR UNIT		AM009KN4DCH/AA	AM012KN4DCH/AA	AM018KN4DCH/AA
PERFORMANCE	CAPACITY	COOLING	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h
		HEATING	10,000 Btu/h	13,500 Btu/h	20,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	26 / 26 W	26 / 26 W	26 / 26 W
	CURRENT INPUT	COOLING / HEATING	0.18 / 0.18 A	0.18 / 0.18 A	0.18 / 0.18 A
DIMENSIONS	W X H X D		37 1/4 X 11 1/16 X 37 1/4 in.	37 1/4 X 11 1/16 X 37 1/4 in.	37 1/4 X 11 1/16 X 37 1/4 in.
	WEIGHT		46.30 lbs.	46.30 lbs.	46.30 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	29 / 31 / 33 dB(A)	29 / 31 / 33 dB(A)	29 / 31 / 33 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		VP25 (1 1/4 in. OD, 1 in. ID)	VP25 (1 1/4 in. OD, 1 in. ID)	VP25 (1 1/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan	BLDC With Turbo Fan	BLDC With Turbo Fan
	AIR VOLUME	CFM (L / M / H)	494 / 530 / 565	494 / 530 / 565	494 / 530 / 565
FASCIA PANEL (SOLD SEPARATELY)	CEILING TYPE (SQUARE)	WHITE	PC4NUDMUN	PC4NUDMUN	PC4NUDMUN
		BLACK	PC4NBDMUN	PC4NBDMUN	PC4NBDMUN
		L X W X H	39 3/8 X 39 3/8 X 2 5/8 in.	39 3/8 X 39 3/8 X 2 5/8 in.	39 3/8 X 39 3/8 X 2 5/8 in.
		WEIGHT	794 lbs.	794 lbs.	794 lbs.
	OPEN TYPE (CIRCLE)	WHITE	PC4NUNMUN	PC4NUNMUN	PC4NUNMUN
		BLACK	PC4NBNMUN	PC4NBNMUN	PC4NBNMUN
		DIAMETER X H	41 5/16 X 3 11/16 in.	41 5/16 X 3 11/16 in.	41 5/16 X 3 11/16 in.
		WEIGHT	5.95 lbs.	5.95 lbs.	5.95 lbs.
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-KH03U	AR-KH03U	AR-KH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	MOTION DETECTION SENSOR		MCR-SME	MCR-SME	MCR-SME
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



Product registration required.  
Conditions apply.



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For verification of individual certified products, go to [www.ahridirectory.org](http://www.ahridirectory.org).

Samsung HVAC maintains a policy of ongoing development, specifications are subject to change without notice.



# 360 Cassette

SPECIFICATIONS - 24,000 | 30,000 | 36,000

MODEL	INDOOR UNIT		AM024KN4DCH/AA	AM030KN4DCH/AA	AM036KN4DCH/AA
PERFORMANCE	CAPACITY	COOLING	24,000 Btu/h	30,000 Btu/h	36,000 Btu/h
		HEATING	27,000 Btu/h	34,000 Btu/h	40,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	38 / 38 W	54 / 54 W	71 / 71 W
	CURRENT INPUT	COOLING / HEATING	0.28 / 0.28 A	0.42 / 0.42 A	0.57 / 0.57 A
DIMENSIONS	W X H X D		37 1/4 X 11 1/16 X 3 7/16 in.	37 1/4 X 14 3/8 X 3 7/16 in.	37 1/4 X 14 3/8 X 3 7/16 in.
	WEIGHT		46.30 lbs.	52.91 lbs.	52.91 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	32 / 35 / 38 dB(A)	36 / 38 / 40 dB(A)	38 / 40 / 43 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	3/8 in.
	GAS PIPE		5/8 in.	5/8 in.	5/8 in.
	CONDENSATE CONNECTIONS		VP25 (1 1/4 in. OD, 1 in. ID)	VP25 (1 1/4 in. OD, 1 in. ID)	VP25 (1 1/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan	BLDC With Turbo Fan	BLDC With Turbo Fan
	AIR VOLUME	CFM (L / M / H)	512 / 583 / 671	706 / 795 / 901	777 / 883 / 989
FASCIA PANEL (SOLD SEPARATELY)	CEILING TYPE (SQUARE)	WHITE	PC4NUDMUN	PC4NUDMUN	PC4NUDMUN
		BLACK	PC4NBDMUN	PC4NBDMUN	PC4NBDMUN
		L X W X H	39 3/8 X 39 3/8 X 2 5/8 in.	39 3/8 X 39 3/8 X 2 5/8 in.	39 3/8 X 39 3/8 X 2 5/8 in.
		WEIGHT	7.94 lbs.	7.94 lbs.	7.94 lbs.
	OPEN TYPE (CIRCLE)	WHITE	PC4NUNMUN	PC4NUNMUN	PC4NUNMUN
		BLACK	PC4NBNMUN	PC4NBNMUN	PC4NBNMUN
		DIAMETER X H	41 5/16 X 3 11/16 in.	41 5/16 X 3 11/16 in.	41 5/16 X 3 11/16 in.
		WEIGHT	5.95 lbs.	5.95 lbs.	5.95 lbs.
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-KH03U	AR-KH03U	AR-KH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	MOTION DETECTION SENSOR		MCR-SME	MCR-SME	MCR-SME
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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## 360 Cassette

SPECIFICATIONS - 48,000

MODEL	INDOOR UNIT		AM048KN4DCH/AA
PERFORMANCE	CAPACITY	COOLING	48,000 Btu/h
		HEATING	54,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	91 / 91 W
	CURRENT INPUT	COOLING / HEATING	0.75 / 0.75 A
DIMENSIONS	W X H X D	37 1/4 X 14 3/8 X 37 1/4 in.	
	WEIGHT	52.91 lbs.	
SOUND PRESSURE LEVEL	INDOOR	L / M / H	39 / 42 / 44 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.
	GAS PIPE		5/8 in.
	CONDENSATE CONNECTIONS		VP25 (1 1/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A
	CONTROL METHOD		INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan
	AIR VOLUME	CFM (L / M / H)	848 / 954 / 1,112
FASCIA PANEL (SOLD SEPARATELY)	CEILING TYPE (SQUARE)	WHITE	PC4NUDMUN
		BLACK	PC4NBDMUN
		L X W X H	39 3/8 X 39 3/8 X 2 5/8 in.
		WEIGHT	7.94 lbs.
	OPEN TYPE (CIRCLE)	WHITE	PC4NUNMUN
		BLACK	PC4NBNMUN
		DIAMETER X H	41 5/16 X 3 11/16 in.
		WEIGHT	5.95 lbs.
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN
	WIRELESS CONTROLLER		AR-KH03U
	WI-FI ADAPTER		MIM-H04UN
	MOTION DETECTION SENSOR		MCR-SME
	THERMOSTAT ADAPTER (24VAC)		TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14



Product registration required.  
Conditions apply.



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# Wind-Free™\* 4-Way Cassette

SPECIFICATIONS - 6,300 | 9,000 | 12,000

MODEL	INDOOR UNIT		AM006RN4DCH/AA	AM009RN4DCH/AA	AM012RN4DCH/AA
PERFORMANCE	CAPACITY	COOLING	6,300 Btu/h	9,000 Btu/h	12,000 Btu/h
		HEATING	7,100 Btu/h	10,000 Btu/h	13,500 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	32 / 32 W	32 / 32 W	32 / 32 W
	CURRENT INPUT	COOLING / HEATING	0.25 / 0.25 A	0.25 / 0.25 A	0.25 / 0.25 A
DIMENSIONS	W X H X D		33 1/16 X 8 1/16 X 33 1/16 in.	33 1/16 X 8 1/16 X 33 1/16 in.	33 1/16 X 8 1/16 X 33 1/16 in.
	WEIGHT		33.10 lbs.	33.10 lbs.	33.10 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	28 / 30 / 32 dB(A)	28 / 30 / 32 dB(A)	28 / 30 / 32 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		VP25 (1 1/4 in. OD, 1 in. ID)	VP25 (1 1/4 in. OD, 1 in. ID)	VP25 (1 1/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan	BLDC With Turbo Fan	BLDC With Turbo Fan
	AIR VOLUME	CFM (L / M / H)	424 / 494 / 547	424 / 494 / 547	424 / 494 / 547
FASCIA PANEL (SOLD SEPARATELY)	WIND-FREE™* (REQUIRED FOR WIND-FREE™* FUNCTION)	MODEL NUMBER	PC4NUFMUN	PC4NUFMUN	PC4NUFMUN
		L X W X H	37 3/8 X 37 3/8 X 2 1/2 in.	37 3/8 X 37 3/8 X 2 1/2 in.	37 3/8 X 37 3/8 X 2 1/2 in.
		WEIGHT	13.90 lbs.	13.90 lbs.	13.90 lbs.
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	MOTION DETECTION SENSOR		MCR-SMC	MCR-SMC	MCR-SMC
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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Conditions apply.



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## Wind-Free™\* 4-Way Cassette

SPECIFICATIONS - 18,000 | 24,000 | 30,000

MODEL	INDOOR UNIT		AM018RN4DCH/AA	AM024RN4DCH/AA	AM030RN4DCH/AA
PERFORMANCE	CAPACITY	COOLING	18,000 Btu/h	24,000 Btu/h	30,000 Btu/h
		HEATING	20,000 Btu/h	27,000 Btu/h	34,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	45 / 45 W	57 / 57 W	65 / 65 W
	CURRENT INPUT	COOLING / HEATING	0.35 / 0.35 A	0.45 / 0.45 A	0.50 / 0.50 A
DIMENSIONS	W X H X D		33 1/16 X 9 11/16 X 33 1/16 in.	33 1/16 X 9 11/16 X 33 1/16 in.	33 1/16 X 8 1/16 X 33 1/16 in.
	WEIGHT		36.40 lbs.	36.40 lbs.	45.20 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	33 / 35 / 36 dB(A)	34 / 36 / 38 dB(A)	31 / 37 / 41 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	3/8 in.	3/8 in.
	GAS PIPE		1/2 in.	5/8 in.	5/8 in.
	CONDENSATE CONNECTIONS		VP25 (1 1/4 in. OD, 1 in. ID)	VP25 (1 1/4 in. OD, 1 in. ID)	VP25 (1 1/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan	BLDC With Turbo Fan	BLDC With Turbo Fan
	AIR VOLUME	CFM (L / M / H)	512 / 636 / 742	583 / 706 / 865	671 / 795 / 954
FASCIA PANEL (SOLD SEPARATELY)	WIND-FREE™* (REQUIRED FOR WIND-FREE™* FUNCTION)	MODEL NUMBER	PC4NUFMUN	PC4NUFMUN	PC4NUFMUN
		L X W X H	37 3/8 X 37 3/8 X 2 1/2 in.	37 3/8 X 37 3/8 X 2 1/2 in.	37 3/8 X 37 3/8 X 2 1/2 in.
		WEIGHT	13.90 lbs.	13.90 lbs.	13.90 lbs.
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	MOTION DETECTION SENSOR		MCR-SMC	MCR-SMC	MCR-SMC
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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# Wind-Free™\* 4-Way Cassette

SPECIFICATIONS - 36,000 | 48,000

MODEL	INDOOR UNIT		AM036RN4DCH/AA	AM048RN4DCH/AA
PERFORMANCE	CAPACITY	COOLING	36,000 Btu/h	48,000 Btu/h
		HEATING	40,000 Btu/h	54,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	75 / 75 W	95 / 95 W
	CURRENT INPUT	COOLING / HEATING	0.56 / 0.56 A	0.75 / 0.75 A
DIMENSIONS	W X H X D		33 1/16 X 8 1/16 X 33 1/16 in.	33 1/16 X 8 1/16 X 33 1/16 in.
	WEIGHT		45.20 lbs.	45.20 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	36 / 39 / 42 dB(A)	39 / 42 / 45 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.
	GAS PIPE		5/8 in.	5/8 in.
	CONDENSATE CONNECTIONS		VP25 (1 1/4 in. OD, 1 in. ID)	VP25 (1 1/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan	BLDC With Turbo Fan
	AIR VOLUME	CFM (L / M / H)	742 / 865 / 1,007	918 / 1,007 / 1,130
FASCIA PANEL (SOLD SEPARATELY)	WIND-FREE™* (REQUIRED FOR WIND-FREE™* FUNCTION)	MODEL NUMBER	PC4NUFMUN	PC4NUFMUN
		L X W X H	37 3/8 X 37 3/8 X 2 1/2 in.	37 3/8 X 37 3/8 X 2 1/2 in.
		WEIGHT	13.90 lbs.	13.90 lbs.
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN
	MOTION DETECTION SENSOR		MCR-SMC	MCR-SMC
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14



Product registration required.  
Conditions apply.



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# Wind-Free™\* Mini 4-Way Cassette

SPECIFICATIONS - 5,000 | 7,500 | 9,500

MODEL	INDOOR UNIT		AM005NNNDCH/AA	AM007NNNDCH/AA	AM009NNNDCH/AA
PERFORMANCE	CAPACITY	COOLING	5,000 Btu/h	7,500 Btu/h	9,500 Btu/h
		HEATING	6,000 Btu/h	8,700 Btu/h	10,500 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	18 / 18 W	18 / 18 W	24 / 24 W
	CURRENT INPUT	COOLING / HEATING	0.17 / 0.17 A	0.17 / 0.17 A	0.17 / 0.17 A
DIMENSIONS	W X H X D		22 5/8 X 9 27/32 X 22 5/8 in.	22 5/8 X 9 27/32 X 22 5/8 in.	22 5/8 X 9 27/32 X 22 5/8 in.
	WEIGHT		25.79 lbs.	26.46 lbs.	26.46 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	23 / 28 / 30 dB(A)	25 / 29 / 32 dB(A)	26 / 30 / 33 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan	BLDC With Turbo Fan	BLDC With Turbo Fan
	AIR VOLUME	CFM (L / M / H)	230 / 254 / 300	230 / 272 / 318	265 / 300 / 353
FASCIA PANEL (SOLD SEPARATELY)	WIND-FREE™* (REQUIRED FOR WIND-FREE™* FUNCTION)	MODEL NUMBER	PC4SUFMUN	PC4SUFMUN	PC4SUFMUN
		L X W X H	24 3/8 X 24 3/8 X 21/4 in.	24 3/8 X 24 3/8 X 21/4 in.	24 3/8 X 24 3/8 X 21/4 in.
		WEIGHT	5.95 lbs.	5.95 lbs.	5.95 lbs.
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	MOTION DETECTION SENSOR		MCR-SMD	MCR-SMD	MCR-SMD
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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# Wind-Free™\* Mini 4-Way Cassette

SPECIFICATIONS - 12,000 | 18,000 | 20,000

MODEL	INDOOR UNIT		AM012NNNDCH/AA	AM018NNNDCH/AA	AM020NNNDCH/AA
PERFORMANCE	CAPACITY	COOLING	12,000 Btu/h	18,000 Btu/h	20,000 Btu/h
		HEATING	13,500 Btu/h	20,000 Btu/h	23,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	28 / 28 W	36 / 36 W	38 / 38 W
	CURRENT INPUT	COOLING / HEATING	0.19 / 0.19 A	0.27 / 0.27 A	0.30 / 0.30 A
DIMENSIONS	W X H X D		22 5/8 X 9 27/32 X 22 5/8 in.	22 5/8 X 9 27/32 X 22 5/8 in.	22 5/8 X 9 27/32 X 22 5/8 in.
	WEIGHT		26.46 lbs.	26.46 lbs.	26.46 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	26 / 30 / 34 dB(A)	33 / 36 / 39 dB(A)	35 / 38 / 40 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan	BLDC With Turbo Fan	BLDC With Turbo Fan
	AIR VOLUME	CFM (L / M / H)	283 / 335 / 371	335 / 388 / 459	360 / 424 / 477
FASCIA PANEL (SOLD SEPARATELY)	WIND-FREE™* (REQUIRED FOR WIND-FREE™* FUNCTION)	MODEL NUMBER	PC4SUFMUN	PC4SUFMUN	PC4SUFMUN
		L X W X H	24 3/8 X 24 3/8 X 2 1/4 in.	24 3/8 X 24 3/8 X 2 1/4 in.	24 3/8 X 24 3/8 X 2 1/4 in.
		WEIGHT	5.95 lbs.	5.95 lbs.	5.95 lbs.
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	MOTION DETECTION SENSOR		MCR-SMD	MCR-SMD	MCR-SMD
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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# Wind-Free™\* 1-Way Cassette

SPECIFICATIONS - 7,500 | 9,500 | 12,000

MODEL	INDOOR UNIT		AM007NN1DCH/AA	AM009NN1DCH/AA	AM012NN1DCH/AA
PERFORMANCE	CAPACITY	COOLING	7,500 Btu/h	9,500 Btu/h	12,000 Btu/h
		HEATING	8,500 Btu/h	10,500 Btu/h	13,500 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	40 / 40 W	45 / 45 W	50 / 50 W
	CURRENT INPUT	COOLING / HEATING	0.23 / 0.23 A	0.25 / 0.25 A	0.28 / 0.28 A
DIMENSIONS	W X H X D		38 1/4 X 5 3/8 X 16 1/8 in.	38 1/4 X 5 3/8 X 16 1/8 in.	38 1/4 X 5 3/8 X 16 1/8 in.
	WEIGHT		22.05 lbs.	22.05 lbs.	22.05 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	24 / 26 / 29 dB(A)	24 / 28 / 32 dB(A)	30 / 33 / 37 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		VP20 (1 in. OD, 3/4 in. ID)	VP20 (1 in. OD, 3/4 in. ID)	VP20 (1 in. OD, 3/4 in. ID)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Crossflow Fan	BLDC With Crossflow Fan	BLDC With Crossflow Fan
	AIR VOLUME	CFM (L / M / H)	141 / 177 / 212	177 / 212 / 247	212 / 247 / 283
FASCIA PANEL (SOLD SEPARATELY)	MODEL NUMBER		PC1NWFMMUN	PC1NWFMMUN	PC1NWFMMUN
	L X W X H		47 3/16 X 19 11/16 X 1 3/8 in.	47 3/16 X 19 11/16 X 1 3/8 in.	47 3/16 X 19 11/16 X 1 3/8 in.
	WEIGHT		9.48 lbs.	9.48 lbs.	9.48 lbs.
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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# Duct S

SPECIFICATIONS - 6,300 | 7,500 | 9,500

MODEL	INDOOR UNIT		AM006RNMDCH/AA	AM007MNMDCH/AA	AM009MNMDCH/AA
PERFORMANCE	CAPACITY	COOLING	6,300 Btu/h	7,500 Btu/h	9,500 Btu/h
		HEATING	7,100 Btu/h	8,500 Btu/h	10,500 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	27 / 27 W	27 / 27 W	27 / 27 W
	CURRENT INPUT	COOLING / HEATING	0.25 / 0.25 A	0.25 / 0.25 A	0.25 / 0.25 A
DIMENSIONS	W X H X D		33 7/16 X 9 13/16 X 27 9/16 in.	33 7/16 X 9 13/16 X 27 9/16 in.	33 7/16 X 9 13/16 X 27 9/16 in.
	WEIGHT		69.40 lbs.	69.40 lbs.	69.40 lbs.
	DUCT CONNECTIONS	SUPPLY	32 3/16 X 8 11/16 in.	32 3/16 X 8 11/16 in.	32 3/16 X 8 11/16 in.
		RETURN	32 3/16 X 8 11/16 in.	32 3/16 X 8 11/16 in.	32 3/16 X 8 11/16 in.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	22 / 24 / 26 dB(A)	22 / 24 / 26 dB(A)	22 / 24 / 26 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		3/4 in. PVC (with included adapter)	3/4 in. PVC (with included adapter)	3/4 in. PVC (with included adapter)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)
	AIR VOLUME	CFM (L / M / H)	212 / 265 / 318	212 / 265 / 318	212 / 265 / 318
		TOTAL CFM RANGE	212 - 520	212 - 520	212 - 520
	STATIC PRESSURE	STANDARD	0.039 in. WC	0.039 in. WC	0.039 in. WC
		MIN. / MAX.	0.0 / 0.591 in. WC	0.0 / 0.591 in. WC	0.0 / 0.591 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WIRELESS RECEIVER KIT		MRK-A10N	MRK-A10N	MRK-A10N
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	FILTER BOX		FB-DS1	FB-DS1	FB-DS1
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



Product registration required.  
Conditions apply.



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## Duct S

SPECIFICATIONS - 12,000 | 15,000 | 18,000

MODEL	INDOOR UNIT		AM012MNMDC/AA	AM015MNMDC/AA	AM018MNMDC/AA
PERFORMANCE	CAPACITY	COOLING	12,000 Btu/h	15,000 Btu/h	18,000 Btu/h
		HEATING	13,500 Btu/h	17,000 Btu/h	20,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	31 / 31 W	38 / 38 W	80 / 80 W
	CURRENT INPUT	COOLING / HEATING	0.26 / 0.26 A	0.30 / 0.30 A	0.65 / 0.65 A
DIMENSIONS	W X H X D		33 7/16 X 9 13/16 X 27 9/16 in.	33 7/16 X 9 13/16 X 27 9/16 in.	33 7/16 X 9 13/16 X 27 9/16 in.
	WEIGHT		69.40 lbs.	69.40 lbs.	69.40 lbs.
	DUCT CONNECTIONS	SUPPLY	32 3/16 X 8 11/16 in.	32 3/16 X 8 11/16 in.	32 3/16 X 8 11/16 in.
		RETURN	32 3/16 X 8 11/16 in.	32 3/16 X 8 11/16 in.	32 3/16 X 8 11/16 in.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	23 / 25 / 27 dB(A)	24 / 26 / 28 dB(A)	25 / 27 / 29 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		3/4 in. PVC (with included adapter)	3/4 in. PVC (with included adapter)	3/4 in. PVC (with included adapter)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)
	AIR VOLUME	CFM (L / M / H)	247 / 300 / 353	318 / 352 / 388	406 / 512 / 600
		TOTAL CFM RANGE	247 - 600	318 - 590	406 - 750
	STATIC PRESSURE	STANDARD	0.039 in. WC	0.039 in. WC	0.039 in. WC
		MIN. / MAX.	0.0 / 0.591 in. WC	0.0 / 0.591 in. WC	0.0 / 0.591 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WIRELESS RECEIVER KIT		MRK-A10N	MRK-A10N	MRK-A10N
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	FILTER BOX		FB-DS1	FB-DS1	FB-DS1
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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# Duct S

SPECIFICATIONS - 18,000 | 24,000 | 27,000

MODEL	INDOOR UNIT		AM018RNMDC/AA	AM024MNHDC/AA	AM027MNHDC/AA
PERFORMANCE	CAPACITY	COOLING	18,000 Btu/h	24,000 Btu/h	27,000 Btu/h
		HEATING	20,000 Btu/h	27,000 Btu/h	30,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	80 / 80 W	114 / 114 W	125 / 125 W
	CURRENT INPUT	COOLING / HEATING	0.65 / 0.65 A	0.81 / 0.81 A	0.87 / 0.87 A
DIMENSIONS	W X H X D		47 1/4 X 9 13/16 X 27 9/16 in.	47 1/4 X 9 13/16 X 27 9/16 in.	47 1/4 X 9 13/16 X 27 9/16 in.
	WEIGHT		89.30 lbs.	89.30 lbs.	89.30 lbs.
	DUCT CONNECTIONS	SUPPLY	45 15/16 X 8 11/16 in.	45 15/16 X 8 11/16 in.	45 15/16 X 8 11/16 in.
		RETURN	45 15/16 X 8 11/16 in.	45 15/16 X 8 11/16 in.	45 15/16 X 8 11/16 in.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	26 / 30 / 34 dB(A)	30 / 36 / 39 dB(A)	34 / 37 / 40 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	3/8 in.	3/8 in.
	GAS PIPE		1/2 in.	5/8 in.	5/8 in.
	CONDENSATE CONNECTIONS		3/4 in. PVC (with included adapter)	3/4 in. PVC (with included adapter)	3/4 in. PVC (with included adapter)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (3)	BLDC (1) With Sirocco Fan (3)
	AIR VOLUME	CFM (L / M / H)	424 / 547 / 671	547 / 671 / 777	636 / 777 / 812
		TOTAL CFM RANGE	406 - 750	547 - 1,020	636 - 1,020
	STATIC PRESSURE	STANDARD	0.039 in. WC	0.205 in. WC	0.205 in. WC
		MIN. / MAX.	0.0 / 0.591 in. WC	0.118 / 0.787 in. WC	0.118 / 0.787 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WIRELESS RECEIVER KIT		MRK-A10N	MRK-A10N	MRK-A10N
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	FILTER BOX		FB-DS2	FB-DS2	FB-DS2
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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Conditions apply.



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# Specifications

## Duct S

SPECIFICATIONS - 30,000 | 36,000 | 48,000

MODEL	INDOOR UNIT		AM030MNHDC/AA	AM036MNHDC/AA	AM048MNHDC/AA
PERFORMANCE	CAPACITY	COOLING	30,000 Btu/h	36,000 Btu/h	48,000 Btu/h
		HEATING	34,000 Btu/h	40,000 Btu/h	54,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	132 / 132 W	165 / 165 W	272 / 272 W
	CURRENT INPUT	COOLING / HEATING	0.92 / 0.92 A	1.13 / 1.13 A	1.84 / 1.84 A
DIMENSIONS	W X H X D		47 1/4 X 9 13/16 X 27 9/16 in.	51 3/16 X 11 13/16 X 27 9/16 in.	51 3/16 X 11 13/16 X 27 9/16 in.
	WEIGHT		89.30 lbs.	102.50 lbs.	102.50 lbs.
	DUCT CONNECTIONS	SUPPLY	45 15/16 X 8 11/16 in.	45 15/16 X 8 11/16 in.	45 15/16 X 8 11/16 in.
		RETURN	45 15/16 X 8 11/16 in.	45 15/16 X 8 11/16 in.	45 15/16 X 8 11/16 in.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	35 / 38 / 40 dB(A)	32 / 35 / 38 dB(A)	35 / 38 / 41 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	3/8 in.
	GAS PIPE		5/8 in.	5/8 in.	5/8 in.
	CONDENSATE CONNECTIONS		3/4 in. PVC (with included adapter)	3/4 in. PVC (with included adapter)	3/4 in. PVC (with included adapter)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC (1) With Sirocco Fan (3)	BLDC (1) With Sirocco Fan (3)	BLDC (1) With Sirocco Fan (3)
	AIR VOLUME	CFM (L / M / H)	706 / 777 / 848	812 / 918 / 1,024	1,059 / 1,201 / 1,377
		TOTAL CFM RANGE	706 - 1,110	812 - 1,340	1,059 - 1,377
	STATIC PRESSURE	STANDARD	0.205 in. WC	0.205 in. WC	0.205 in. WC
		MIN. / MAX.	0.118 / 0.787 in. WC	0.118 / 0.787 in. WC	0.118 / 0.787 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WIRELESS RECEIVER KIT		MRK-A10N	MRK-A10N	MRK-A10N
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	FILTER BOX		FB-DS2	FB-DS3	FB-DS3
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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Conditions apply.



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# Slim Duct

SPECIFICATIONS - 7,500 | 9,500 | 12,000

MODEL	INDOOR UNIT		AM007FNLDC/AA	AM009FNLDC/AA	AM012FNLDC/AA
PERFORMANCE	CAPACITY	COOLING	7,500 Btu/h	9,500 Btu/h	12,000 Btu/h
		HEATING	8,500 Btu/h	10,500 Btu/h	13,500 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	47 / 47 W	60 / 60 W	75 / 75 W
	CURRENT INPUT	COOLING / HEATING	0.32 / 0.32 A	0.40 / 0.40 A	0.51 / 0.51 A
DIMENSIONS	W X H X D		35 7/16 X 7 13/16 X 23 5/8 in.	35 7/16 X 7 13/16 X 23 5/8 in.	35 7/16 X 7 13/16 X 23 5/8 in.
	WEIGHT		54.01 lbs.	54.01 lbs.	54.01 lbs.
	DUCT CONNECTIONS	SUPPLY	6 X 33 7/8 in.	6 X 33 7/8 in.	6 X 33 7/8 in.
		RETURN	30 9/16 X 6 11/16 in.	30 9/16 X 6 11/16 in.	30 9/16 X 6 11/16 in.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	21 / 24 / 26 dB(A)	23 / 25 / 27 dB(A)	27 / 28 / 29 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Sirocco Fan (2)	BLDC With Sirocco Fan (2)	BLDC With Sirocco Fan (2)
	AIR VOLUME	CFM (L / M / H)	212 / 247 / 283	247 / 283 / 318	247 / 300 / 353
		TOTAL CFM RANGE	180 - 305	215 - 340	218 - 375
	STATIC PRESSURE	STANDARD	0.04 in. WC	0.04 in. WC	0.04 in. WC
		MIN. / MAX.	0.0 / 0.16 in. WC	0.0 / 0.16 in. WC	0.0 / 0.16 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	WIRELESS RECEIVER KIT		MRK-A10N	MRK-A10N	MRK-A10N
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14
	DRAIN PUMP		MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D



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## Slim Duct

SPECIFICATIONS - 18,000 | 24,000 | 30,000

MODEL	INDOOR UNIT		AM018FNLDC/AA	AM024FNLDC/AA	AM030FNLDC/AA
PERFORMANCE	CAPACITY	COOLING	18,000 Btu/h	24,000 Btu/h	30,000 Btu/h
		HEATING	20,000 Btu/h	27,000 Btu/h	34,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	140 / 140 W	145 / 145 W	95 / 95 W
	CURRENT INPUT	COOLING / HEATING	0.94 / 0.94 A	0.98 / 0.98 A	0.80 / 0.80 A
DIMENSIONS	W X H X D		43 5/16 X 7 13/16 X 23 5/8 in.	43 5/16 X 7 13/16 X 23 5/8 in.	51 3/16 X 11 5/8 X 27 3/16 in.
	WEIGHT		66.14 lbs.	66.14 lbs.	88.18 lbs.
	DUCT CONNECTIONS	SUPPLY	6 X 41 3/4 in.	6 X 41 3/4 in.	9 3/4 X 49 5/8 in.
		RETURN	38 7/16 X 6 11/16 in.	38 7/16 X 6 11/16 in.	46 1/4 X 10 1/16 in.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	31 / 34 / 36 dB(A)	33 / 36 / 38 dB(A)	34 / 36 / 37 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	3/8 in.	3/8 in.
	GAS PIPE		1/2 in.	5/8 in.	5/8 in.
	CONDENSATE CONNECTIONS		VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Sirocco Fan (3)	BLDC With Sirocco Fan (3)	BLDC With Sirocco Fan (3)
	AIR VOLUME	CFM (L / M / H)	441 / 495 / 547	477 / 530 / 583	812 / 918 / 1,095
		TOTAL CFM RANGE	418 - 580	444 - 614	758 - 1,120
	STATIC PRESSURE	STANDARD	0.04 in. WC	0.04 in. WC	0.04 in. WC
		MIN. / MAX.	0.0 / 0.16 in. WC	0.0 / 0.16 in. WC	0.0 / 0.24 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	WIRELESS RECEIVER KIT		MRK-A10N	MRK-A10N	MRK-A10N
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14
	DRAIN PUMP		MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D



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# Slim Duct

SPECIFICATIONS - 36,000 | 48,000

MODEL	INDOOR UNIT		AM036FNLDC/AA	AM048FNLDC/AA
PERFORMANCE	CAPACITY	COOLING	36,000 Btu/h	48,000 Btu/h
		HEATING	40,000 Btu/h	54,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	120 / 120 W	180 / 180 W
	CURRENT INPUT	COOLING / HEATING	1.05 / 1.05 A	1.40 / 1.40 A
DIMENSIONS	W X H X D		51 3/16 X 11 5/8 X 27 3/16 in.	51 3/16 X 11 5/8 X 27 3/16 in.
	WEIGHT		88.18 lbs.	91.49 lbs.
	DUCT CONNECTIONS	SUPPLY	9 3/4 X 49 5/8 in.	9 3/4 X 49 5/8 in.
		RETURN	46 1/4 X 10 1/16 in.	46 1/4 X 10 1/16 in.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	34 / 36 / 37 dB(A)	36 / 38 / 39 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.
	GAS PIPE		5/8 in.	5/8 in.
	CONDENSATE CONNECTIONS		VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan	BLDC With Turbo Fan
	AIR VOLUME	CFM (L / M / H)	848 / 1,024 / 1,201	954 / 1,130 / 1,342
		TOTAL CFM RANGE	808 - 1,216	918 - 1,393
	STATIC PRESSURE	STANDARD	0.12 in. WC	0.12 in. WC
		MIN. / MAX.	0.0 / 0.24 in. WC	0.0 / 0.24 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN
	WIRELESS RECEIVER KIT		MRK-A10N	MRK-A10N
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14
	DRAIN PUMP		MDP-E075SEE3D	MDP-E075SEE3D



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## HSP Duct

SPECIFICATIONS - 54,000 | 76,800 | 96,000

MODEL	INDOOR UNIT		AM054JNHDCH/AA	AM076FNHDCH/AA	AM096FNHDCH/AA
PERFORMANCE	CAPACITY	COOLING	54,000 Btu/h	76,800 Btu/h	96,000 Btu/h
		HEATING	61,400 Btu/h	85,200 Btu/h	108,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	280 / 280 W	530 / 530 W	790 / 790 W
	CURRENT INPUT	COOLING / HEATING	2.1 / 2.1 A	3.8 / 3.8 A	5.9 / 5.9 A
DIMENSIONS	W X H X D		47 1/4 X 14 3/16 X 25 19/32 in.	48 13/16 X 18 1/2 X 40 15/16 in.	48 13/16 X 18 1/2 X 40 15/16 in.
	WEIGHT		137.80 lbs.	196.21 lbs.	196.21 lbs.
	DUCT CONNECTIONS	SUPPLY	45 3/4 X 10 15/16 in.	46 3/4 X 15 5/32 in.	46 3/4 X 15 5/32 in.
		RETURN	45 5/8 X 10 1/4 in.	46 3/4 X 15 1/16 in.	46 3/4 X 15 1/16 in.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	40 / 43 / 45 dB(A)	41 / 43 / 45 dB(A)	43 / 46 / 48 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	3/8 in.
	GAS PIPE		5/8 in.	3/4 in.	7/8 in.
	CONDENSATE CONNECTIONS		VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC (2) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)	BLDC (1) With Sirocco Fan (2)
	AIR VOLUME	CFM (L / M / H)	1,201 / 1,307 / 1,413	1,660 / 1,836 / 2,048	2,048 / 2,296 / 2,543
		TOTAL CFM RANGE	1,201 - 1,540	1,588 - 2,100	1,894 - 2,645
	STATIC PRESSURE	STANDARD	0.20 in. WC	0.59 in. WC	0.59 in. WC
		MIN. / MAX.	0.12 / 0.59 in. WC	0.20 / 0.98 in. WC	0.20 / 1.10 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	WIRELESS RECEIVER KIT		MRK-A10N	MRK-A10N	MRK-A10N
	FILTER BOX		FB-M48/H3648	FB-M48/H3648	FB-M48/H3648
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



Product registration required.  
Conditions apply.



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# OAP Duct

SPECIFICATIONS - 72,000 | 96,000

MODEL	INDOOR UNIT		AM072JNESCH/AA	AM096JNESCH/AA
PERFORMANCE	CAPACITY	COOLING	72,000 Btu/h	96,000 Btu/h
		HEATING	47,000 Btu/h	59,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	360 / 360 W	450 / 450 W
	CURRENT INPUT	COOLING / HEATING	2.6 / 2.6 A	3.1 / 3.1 A
DIMENSIONS	W X H X D		57 11/16 X 18 1/8 X 35 13/16 in.	57 11/16 X 18 1/8 X 35 13/16 in.
	WEIGHT		198.42 lbs.	198.42 lbs.
	DUCT CONNECTIONS	SUPPLY	50 9/16 X 14 3/16 in.	50 9/16 X 14 3/16 in.
		RETURN	50 9/16 X 14 3/16 in.	50 9/16 X 14 3/16 in.
SOUND PRESSURE LEVEL	INDOOR	HIGH	47 dB(A)	47 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.
	GAS PIPE		3/4 in.	7/8 in.
	CONDENSATE CONNECTIONS		VP25 (11/4 in. OD, 1 in. ID)	VP25 (11/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Sirocco Fan	BLDC With Sirocco Fan
	AIR VOLUME	CFM (HIGH)	988.85	1,236.10
	STATIC PRESSURE	STANDARD	0.98 in. WC	0.98 in. WC
		MIN. / MAX.	0.2 / 1.18 in. WC	0.2 / 1.18 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN
	FILTER BOX		FB-OAP	FB-OAP
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14
	DRAIN PUMP		MDP-G075SP	MDP-G075SP



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# Specifications

## DVM Whisper

SPECIFICATIONS - 5,000 | 7,500 | 9,500

MODEL	INDOOR UNIT		AM005MNVDC/AA	AM007MNVDC/AA	AM009MNVDC/AA
PERFORMANCE	CAPACITY	COOLING	5,000 Btu/h	7,500 Btu/h	9,500 Btu/h
		HEATING	5,800 Btu/h	8,500 Btu/h	10,500 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	14 / 16 W	15 / 18 W	16 / 24 W
	CURRENT INPUT	COOLING / HEATING	0.12 / 0.13 A	0.13 / 0.15 A	0.13 / 0.19 A
DIMENSIONS	W X H X D		29 1/2 X 9 13/16 X 9 11/16 in.	29 1/2 X 9 13/16 X 9 11/16 in.	29 1/2 X 9 13/16 X 9 11/16 in.
	WEIGHT		1790 lbs.	1790 lbs.	1810 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	24 / 25 / 28 dB(A)	25 / 29 / 33 dB(A)	25 / 31 / 36 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		1 1/16 in. OD	1 1/16 in. OD	1 1/16 in. OD
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Crossflow Fan	BLDC With Crossflow Fan	BLDC With Crossflow Fan
	AIR VOLUME	CFM (L / M / H)	134 / 148 / 155	141 / 166 / 191	152 / 177 / 201
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE230	BD-BLUE230	BD-BLUE230
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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Conditions apply.



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# DVM Whisper

SPECIFICATIONS - 12,000 | 15,000 | 18,000

MODEL	INDOOR UNIT		AM012MNVDC/AA	AM015MNVDC/AA	AM018MNVDC/AA
PERFORMANCE	CAPACITY	COOLING	12,000 Btu/h	15,000 Btu/h	18,000 Btu/h
		HEATING	13,500 Btu/h	17,000 Btu/h	20,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	20 / 28 W	31 / 41 W	27 / 37 W
	CURRENT INPUT	COOLING / HEATING	0.15 / 0.20 A	0.24 / 0.31 A	0.21 / 0.29 A
DIMENSIONS	W X H X D		32 1/2 X 10 1/4 X 10 1/4 in.	32 1/2 X 10 1/4 X 10 1/4 in.	41 15/16 X 11 7/8 X 11 9/16 in.
	WEIGHT		21.60 lbs.	21.60 lbs.	32.20 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	30 / 34 / 37 dB(A)	34 / 38 / 41 dB(A)	33 / 36 / 39 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		11/16 in. OD	11/16 in. OD	11/16 in. OD
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Crossflow Fan	BLDC With Crossflow Fan	BLDC With Crossflow Fan
	AIR VOLUME	CFM (L / M / H)	162 / 201 / 251	212 / 265 / 314	290 / 353 / 417
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE230	BD-BLUE230	BD-BLUE230
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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## DVM Whisper

SPECIFICATIONS - 24,000 | 28,000

MODEL	INDOOR UNIT		AM024MNVDC/AA	AM028MNVDC/AA
PERFORMANCE	CAPACITY	COOLING	24,000 Btu/h	28,000 Btu/h
		HEATING	27,000 Btu/h	29,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	41 / 53 W	55 / 72 W
	CURRENT INPUT	COOLING / HEATING	0.31 / 0.41 A	0.42 / 0.55 A
DIMENSIONS	W X H X D		41 15/16 X 11 7/8 X 11 9/16 in.	41 15/16 X 11 7/8 X 11 9/16 in.
	WEIGHT		32.20 lbs.	32.20 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	36 / 41 / 44 dB(A)	40 / 43 / 47 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.
	GAS PIPE		5/8 in.	5/8 in.
	CONDENSATE CONNECTIONS		1 1/16 in. OD	1 1/16 in. OD
REFRIGERANT	TYPE		R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Crossflow Fan	BLDC With Crossflow Fan
	AIR VOLUME	CFM (L / M / H)	353 / 438 / 523	438 / 505 / 590
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE230	BD-BLUE230
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14



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# Max

## SPECIFICATIONS - 31,700

MODEL	INDOOR UNIT		AM032MNQDCH/AA
PERFORMANCE	CAPACITY	COOLING	31,700 Btu/h
		HEATING	33,400 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	66 / 76 W
	CURRENT INPUT	COOLING / HEATING	0.47 / 0.54 A
DIMENSIONS	W X H X D		50 3/8 X 13 9/16 X 9 15/16 in.
	WEIGHT		40.80 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	42 / 46 / 49 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.
	GAS PIPE		5/8 in.
	CONDENSATE CONNECTIONS		11/16 in. OD
REFRIGERANT	TYPE		R410A
	CONTROL METHOD		INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Crossflow Fan
	AIR VOLUME	CFM (L / M / H)	600 / 706 / 812
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U
	WI-FI ADAPTER		MIM-H04UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE230
	THERMOSTAT ADAPTER (24VAC)		TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14



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## Under Ceiling

SPECIFICATIONS - 18,000 | 24,000

MODEL	INDOOR UNIT		AM018FNCDC/AA	AM024FNCDC/AA
PERFORMANCE	CAPACITY	COOLING	18,000 Btu/h	24,000 Btu/h
		HEATING	20,000 Btu/h	27,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	72 / 72 W	80 / 80 W
	CURRENT INPUT	COOLING / HEATING	0.42 / 0.42 A	0.48 / 0.48 A
DIMENSIONS	W X H X D		39 3/8 X 25 5/8 X 7 7/8 in.	39 3/8 X 25 5/8 X 7 7/8 in.
	WEIGHT		46.30 lbs.	46.30 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	34 / 40 dB(A)	40 / 44 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	3/8 in.
	GAS PIPE		1/2 in.	5/8 in.
	CONDENSATE CONNECTIONS		3/4 in. OD	3/4 in. OD
REFRIGERANT	TYPE		R410A	R410A
	CONTROL METHOD		EXTERNAL EEV	EXTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Sirocco Fan	BLDC With Sirocco Fan
	AIR VOLUME	CFM (L / M / H)	424 / 459 / 494	530 / 583 / 636
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE230	BD-BLUE230
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14



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# Big Ceiling

SPECIFICATIONS - 36,000 | 48,000

MODEL	INDOOR UNIT		AM036JNCDCH/AA	AM048JNCDCH/AA
PERFORMANCE	CAPACITY	COOLING	36,000 Btu/h	48,000 Btu/h
		HEATING	40,000 Btu/h	54,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	92 / 80 W	160 / 160 W
	CURRENT INPUT	COOLING / HEATING	0.94 / 0.83 A	1.45 / 1.45 A
DIMENSIONS	W X H X D		53 1/8 X 9 1/4 X 26 9/16 in.	64 15/16 X 9 1/4 X 26 9/16 in.
	WEIGHT		73.85 lbs.	93.70 lbs.
SOUND PRESSURE LEVEL	INDOOR	LOW / HIGH	37 / 41 / 45 dB(A)	38 / 43 / 46 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.
	GAS PIPE		5/8 in.	5/8 in.
	CONDENSATE CONNECTIONS		VP25 (1 1/4 in. OD, 1 in. ID)	VP25 (1 1/4 in. OD, 1 in. ID)
REFRIGERANT	TYPE		R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Sirocco Fan	BLDC With Sirocco Fan
	AIR VOLUME	CFM (L / M / H)	653 / 844 / 1,035	918 / 1,088 / 1,286
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MAXO-UNIV	ASP-MAXO-UNIV
		BLUE DIAMOND	BD-BLUE230	BD-BLUE230
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14



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## Floor Standing

SPECIFICATIONS - 6,000 | 9,500

MODEL	INDOOR UNIT		AM006JNFDCH/AA	AM006JNGDCH/AA	AM009JNFDCH/AA
PERFORMANCE	CAPACITY	COOLING	6,000 Btu/h	6,000 Btu/h	9,500 Btu/h
		HEATING	6,700 Btu/h	6,700 Btu/h	10,500 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	35 / 35 W	35 / 35 W	40 / 40 W
	CURRENT INPUT	COOLING / HEATING	0.20 / 0.20 A	0.20 / 0.20 A	0.22 / 0.22 A
DIMENSIONS	W X H X D		37 3/16 X 23 5/8 X 8 11/16 in.	46 X 23 5/8 X 8 5/8 in.	37 3/16 X 23 5/8 X 8 11/16 in.
	WEIGHT		50.70 lbs.	57.30 lbs.	50.70 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	20 / 22 / 23 dB(A)	20 / 22 / 23 dB(A)	21 / 24 / 26 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		11/16 in. OD	11/16 in. OD	11/16 in. OD
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Sirocco Fan	BLDC With Sirocco Fan	BLDC With Sirocco Fan
	AIR VOLUME	CFM (L / M / H)	105 / 140 / 175	105 / 140 / 175	160 / 195 / 250
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE230	BD-BLUE230	BD-BLUE230
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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# Floor Standing

SPECIFICATIONS - 9,500 | 12,000

MODEL	INDOOR UNIT		AM009JNGDCH/AA	AM012JNFDCH/AA	AM012JNGDCH/AA
PERFORMANCE	CAPACITY	COOLING	9,500 Btu/h	12,000 Btu/h	12,000 Btu/h
		HEATING	10,500 Btu/h	13,500 Btu/h	13,500 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	40 / 40 W	50 / 50 W	50 / 50 W
	CURRENT INPUT	COOLING / HEATING	0.22 / 0.22 A	0.24 / 0.24 A	0.24 / 0.24 A
DIMENSIONS	W X H X D		46 X 23 5/8 X 8 5/8 in.	37 3/16 X 23 5/8 X 8 11/16 in.	46 X 23 5/8 X 8 5/8 in.
	WEIGHT		57.30 lbs.	50.70 lbs.	57.30 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	21 / 24 / 26 dB(A)	27 / 32 / 37 dB(A)	27 / 32 / 37 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	1/4 in.
	GAS PIPE		1/2 in.	1/2 in.	1/2 in.
	CONDENSATE CONNECTIONS		11/16 in. OD	11/16 in. OD	11/16 in. OD
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Sirocco Fan	BLDC With Sirocco Fan	BLDC With Sirocco Fan
	AIR VOLUME	CFM (L / M / H)	160 / 195 / 250	210 / 300 / 350	210 / 300 / 350
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE230	BD-BLUE230	BD-BLUE230
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



Product registration required.  
Conditions apply.



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## Floor Standing

SPECIFICATIONS - 18,000 | 24,000

MODEL	INDOOR UNIT		AM018JNFDCH/AA	AM018JNGDCH/AA	AM024JNFDCH/AA
PERFORMANCE	CAPACITY	COOLING	18,000 Btu/h	18,000 Btu/h	24,000 Btu/h
		HEATING	20,000 Btu/h	20,000 Btu/h	27,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	110 / 110 W	110 / 110 W	110 / 110 W
	CURRENT INPUT	COOLING / HEATING	0.53 / 0.53 A	0.53 / 0.53 A	0.53 / 0.53 A
DIMENSIONS	W X H X D		48 1/4 X 23 9/16 X 8 5/8 in.	57 X 23 9/16 X 8 5/8 in.	48 1/4 X 23 9/16 X 8 5/8 in.
	WEIGHT		62.80 lbs.	69.40 lbs.	62.80 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	32 / 36 / 40 dB(A)	32 / 36 / 40 dB(A)	32 / 36 / 40 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	3/8 in.
	GAS PIPE		1/2 in.	1/2 in.	5/8 in.
	CONDENSATE CONNECTIONS		11/16 in. OD	11/16 in. OD	11/16 in. OD
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Sirocco Fan	BLDC With Sirocco Fan	BLDC With Sirocco Fan
	AIR VOLUME	CFM (L / M / H)	390 / 495 / 550	390 / 495 / 550	390 / 495 / 550
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE230	BD-BLUE230	BD-BLUE230
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14	MIM-B14	MIM-B14



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# Floor Standing

SPECIFICATIONS - 24,000

MODEL	INDOOR UNIT		AM024JNGDCH/AA
PERFORMANCE	CAPACITY	COOLING	24,000 Btu/h
		HEATING	27,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	110 / 110 W
	CURRENT INPUT	COOLING / HEATING	0.53 / 0.53 A
DIMENSIONS	W X H X D		57 X 23 9/16 X 8 5/8 in.
	WEIGHT		69.40 lbs.
SOUND PRESSURE LEVEL	INDOOR	L / M / H	32 / 36 / 40 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.
	GAS PIPE		5/8 in.
	CONDENSATE CONNECTIONS		11/16 in. OD
REFRIGERANT	TYPE		R410A
	CONTROL METHOD		INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Sirocco Fan
	AIR VOLUME	CFM (L / M / H)	390 / 495 / 550
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U
	WI-FI ADAPTER		MIM-H04UN
	CONDENSATE PUMP	ASPEN MINI ORANGE	ASP-MO-UNIV110-250
		BLUE DIAMOND	BD-BLUE230
	THERMOSTAT ADAPTER (24VAC)		TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA
	EXTERNAL CONTACT CONTROL		MIM-B14



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# Multi-Position Air Handler (MPAH)

SPECIFICATIONS - 12,000 | 18,000 | 24,000

MODEL	INDOOR UNIT		AM012JNZDCH/AA	AM018JNZDCH/AA	AM024JNZDCH/AA
PERFORMANCE	CAPACITY	COOLING	12,000 Btu/h	18,000 Btu/h	24,000 Btu/h
		HEATING	13,500 Btu/h	22,000 Btu/h	27,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	64 / 64 W	94 / 94 W	144 / 144 W
	CURRENT INPUT	COOLING / HEATING	0.49 / 0.49 A	0.74 / 0.74 A	1.12 / 1.12 A
DIMENSIONS	W X H X D		17 1/2 X 43 X 21 in.	17 1/2 X 43 X 21 in.	17 1/2 X 43 X 21 in.
	WEIGHT		97.00 lbs.	101.00 lbs.	101.00 lbs.
SOUND PRESSURE LEVEL	INDOOR	HIGH	38 dB(A)	39 dB(A)	41 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		1/4 in.	1/4 in.	3/8 in.
	GAS PIPE		1/2 in.	1/2 in.	5/8 in.
	CONDENSATE CONNECTIONS		3/4 in. FNPT	3/4 in. FNPT	3/4 in. FNPT
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan	BLDC With Turbo Fan	BLDC With Turbo Fan
	AIR VOLUME	CFM (HIGH)	373	531	706
		STANDARD	0.4 in. WC	0.4 in. WC	0.4 in. WC
	STATIC PRESSURE	MIN. / MAX.	0.1 / 0.5 in. WC	0.1 / 0.7 in. WC	0.1 / 0.7 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	FILTER BASE W/ 1 IN. FILTER		VFB-1	VFB-1	VFB-1
	SUPPLEMENTAL ELECTRIC HEAT KIT		3 Kw: VHK-103A	3 Kw: VHK-103A 5 Kw: VHK-105A	3 Kw: VHK-103A 5 Kw: VHK-105A
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA



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Conditions apply.



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# Multi-Position Air Handler (MPAH)

SPECIFICATIONS - 30,000 | 36,000 | 48,000

MODEL	INDOOR UNIT		AM030JNZDCH/AA	AM036JNZDCH/AA	AM048JNZDCH/AA
PERFORMANCE	CAPACITY	COOLING	30,000 Btu/h	36,000 Btu/h	48,000 Btu/h
		HEATING	34,000 Btu/h	40,000 Btu/h	54,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	218 / 218 W	218 / 218 W	290 / 290 W
	CURRENT INPUT	COOLING / HEATING	1.58 / 1.58 A	1.58 / 1.58 A	2.07 / 2.07 A
DIMENSIONS	W X H X D		21 X 48 X 21 in.	21 X 48 X 21 in.	24 1/2 X 58 3/4 X 21 3/4 in.
	WEIGHT		120.00 lbs.	126.00 lbs.	157.00 lbs.
SOUND PRESSURE LEVEL	INDOOR	HIGH	42 dB(A)	42 dB(A)	43 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	3/8 in.
	GAS PIPE		5/8 in.	5/8 in.	5/8 in.
	CONDENSATE CONNECTIONS		3/4 in. FNPT	3/4 in. FNPT	3/4 in. FNPT
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan	BLDC With Turbo Fan	BLDC With Turbo Fan
	AIR VOLUME	CFM (HIGH)	1,053	1,053	1,410
		STANDARD	0.4 in. WC	0.4 in. WC	0.4 in. WC
	STATIC PRESSURE	MIN. / MAX.	0.1 / 1.0 in. WC	0.1 / 1.0 in. WC	0.1 / 1.0 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	FILTER BASE W/ 1 IN. FILTER		VFB-2	VFB-2	VFB-3
	SUPPLEMENTAL ELECTRIC HEAT KIT		5 Kw: VHK-205A 10 Kw: VHK-210A	5 Kw: VHK-205A 10 Kw: VHK-210A	5 Kw: VHK-305A 10 Kw: VHK-310A
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA



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Conditions apply.



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# Multi-Position Air Handler (MPAH)

SPECIFICATIONS - 54,000 | 60,000 | 72,000

MODEL	INDOOR UNIT		AM054JNZDCH/AA	AM060JNZDCH/AA	AM072JNZDCH/AA
PERFORMANCE	CAPACITY	COOLING	54,000 Btu/h	60,000 Btu/h	72,000 Btu/h
		HEATING	60,000 Btu/h	64,000 Btu/h	80,000 Btu/h
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	POWER INPUT	COOLING / HEATING	341 / 341 W	380 / 380 W	620 / 620 W
	CURRENT INPUT	COOLING / HEATING	2.42 / 2.42 A	2.74 / 2.74 A	4.20 / 4.20 A
DIMENSIONS	W X H X D		24 1/2 X 58 3/4 X 21 3/4 in.	24 1/2 X 58 3/4 X 21 3/4 in.	24 1/2 X 58 3/4 X 21 3/4 in.
	WEIGHT		169.00 lbs.	180.00 lbs.	182.00 lbs.
SOUND PRESSURE LEVEL	INDOOR	HIGH	43 dB(A)	46 dB(A)	50 dB(A)
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	3/8 in.
	GAS PIPE		3/4 in.	3/4 in.	3/4 in.
	CONDENSATE CONNECTIONS		3/4 in. FNPT	3/4 in. FNPT	3/4 in. FNPT
REFRIGERANT	TYPE		R410A	R410A	R410A
	CONTROL METHOD		INTERNAL EEV	INTERNAL EEV	INTERNAL EEV
EVAPORATOR FAN	TYPE		BLDC With Turbo Fan	BLDC With Turbo Fan	BLDC With Turbo Fan
	AIR VOLUME	CFM (HIGH)	1,603	1,768	2,110
	STATIC PRESSURE	STANDARD	0.4 in. WC	0.4 in. WC	0.4 in. WC
		MIN. / MAX.	0.1 / 1.0 in. WC	0.1 / 1.0 in. WC	0.1 / 1.0 in. WC
ACCESSORIES	WIRED CONTROLLER	TOUCHSCREEN WIRED CONTROLLER	MWR-SH11UN	MWR-SH11UN	MWR-SH11UN
		PREMIUM WIRED CONTROLLER	MWR-WE13UN	MWR-WE13UN	MWR-WE13UN
		ADVANCED WIRED CONTROLLER	MWR-WG00JN	MWR-WG00JN	MWR-WG00JN
	WIRELESS CONTROLLER		AR-EH03U	AR-EH03U	AR-EH03U
	WI-FI ADAPTER		MIM-H04UN	MIM-H04UN	MIM-H04UN
	FILTER BASE W/ 1 IN. FILTER		VFB-3	VFB-3	VFB-3
	SUPPLEMENTAL ELECTRIC HEAT KIT		5 Kw: VHK-305A 10 Kw: VHK-310A 15 Kw: VHK-315A	5 Kw: VHK-305A 10 Kw: VHK-310A 15 Kw: VHK-315A 20 Kw: VHK-320A	5 Kw: VHK-305A 10 Kw: VHK-310A 15 Kw: VHK-315A 20 Kw: VHK-320A
	THERMOSTAT ADAPTER (24VAC)		TADPT2	TADPT2	TADPT2
	EXTERNAL TEMPERATURE SENSOR		MRW-TA	MRW-TA	MRW-TA



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# DVM S 230V Heat Pump

SPECIFICATIONS - 72,000 | 96,000 | 120,000

MODEL	MODEL NUMBER		AM072FXVAFH2AA	AM096FXVAFH2AA	AM120FXVAFH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		6	8	10
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAFH2AA	AM096FXVAFH2AA	AM120FXVAFH2AA
		MODULE 2	-	-	-
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		12	16	20
PERFORMANCE	CAPACITY	COOLING	72,000 Btu/h	96,000 Btu/h	120,000 Btu/h
		HEATING	81,000 Btu/h	108,000 Btu/h	135,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.00 / 13.00	11.90 / 12.70	11.00 / 11.00
	IEER (DUCTED / NON-DUCTED)		20.70 / 29.70	24.50 / 28.60	20.70 / 21.20
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.46 / 3.71	3.63 / 3.86	3.30 / 3.30
	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		35.0 A	50.0 A	50.0 A
	MIN. CIRCUIT AMPACITY		28.0 A	37.8 A	43.0 A
DIMENSIONS	W X H X D		34 5/8 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.
	WEIGHT		405.7 lbs.	619.1 lbs.	619.1 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		60 dB(A)	61 dB(A)	61 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	1/2 in.
	GAS PIPE		3/4 in.	7/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.13 lbs.	16.31 lbs.	16.31 lbs.
COMPRESSOR	TYPE		SSC Scroll (1)	SSC Scroll (2)	SSC Scroll (2)
CONDENSER FAN	FAN	TYPE	Propeller (1)	Propeller (2)	Propeller (2)
		CFM (MAX.)	7,240	9,182	9,182
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	630 W X 1	620 W X 2	620 W X 2
MAX. EXTERNAL STATIC PRESSURE			0.31 in. WC	0.31 in. WC	0.31 in. WC



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# Specifications

## DVM S 230V Heat Pump

SPECIFICATIONS - 144,000 | 168,000 | 192,000

MODEL	MODEL NUMBER		AM144FXVAFH2AA	AM168HXVAFH2AA	AM192HXVAFH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		12	14	16
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM144FXVAFH2AA	AM168HXVAFH2AA	AM192HXVAFH2AA
		MODULE 2	-	-	-
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		25	29	33
PERFORMANCE	CAPACITY	COOLING	144,000 Btu/h	168,000 Btu/h	192,000 Btu/h
		HEATING	162,000 Btu/h	189,000 Btu/h	216,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.80 / 11.50	10.60 / 10.60	10.60 / 11.10
	IEER (DUCTED / NON-DUCTED)		21.00 / 23.90	18.70 / 19.80	20.00 / 20.50
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.44 / 3.81	3.20 / 3.20	3.32 / 3.61
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		70.0 A	80.0 A	90.0 A
	MIN. CIRCUIT AMPACITY		52.6 A	66.0 A	73.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.
	WEIGHT		652.1 lbs.	707.7 lbs.	725.8 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		62 dB(A)	63 dB(A)	64 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		1/2 in.	5/8 in.	5/8 in.
	GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		19.18 lbs.	24.25 lbs.	24.25 lbs.
COMPRESSOR	TYPE		SSC Scroll (2)	SSC Scroll (2)	SSC Scroll (2)
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (2)	Propeller (2)
		CFM (MAX.)	9,535	10,948	10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2	620 W X 2	620 W X 2
CONDENSER FAN	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# DVM S 230V Heat Pump

SPECIFICATIONS - 216,000 | 240,000 | 264,000

MODEL	MODEL NUMBER		AM216JXVAFH2AA	AM240JXVAFH2AA	AM264JXVAFH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		18	20	22
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAFH2AA	AM072FXVAFH2AA	AM072FXVAFH2AA
		MODULE 2	AM144FXVAFH2AA	AM168HXVAFH2AA	AM192HXVAFH2AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		37	41	45
PERFORMANCE	CAPACITY	COOLING	216,000 Btu/h	240,000 Btu/h	264,000 Btu/h
		HEATING	243,000 Btu/h	270,000 Btu/h	297,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.60 / 10.60	10.60 / 10.80	9.80 / 10.70
	IEER (DUCTED / NON-DUCTED)		21.20 / 22.60	20.10 / 23.00	19.60 / 22.50
	COP (47.0°F, DUCTED / NON-DUCTED)		3.54 / 3.77	3.45 / 3.65	3.30 / 3.56
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		35.0 + 70.0 A	35.0 + 80.0 A	35.0 + 90.0 A
	MIN. CIRCUIT AMPACITY		28.0 + 52.6 A	28.0 + 66.0 A	28.0 + 73.0 A
DIMENSIONS	W X H X D		34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.	34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.	34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.
	WEIGHT		405.7 + 652.1 lbs.	405.7 + 707.7 lbs.	405.7 + 725.8 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		64 dB(A)	65 dB(A)	65 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	5/8 in.	3/4 in.
	GAS PIPE		1 1/8 in.	1 1/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		31.31 lbs.	36.38 lbs.	36.38 lbs.
COMPRESSOR	TYPE		SSC Scroll (3)	SSC Scroll (3)	SSC Scroll (3)
CONDENSER FAN	FAN	TYPE	Propeller (3)	Propeller (3)	Propeller (3)
		CFM (MAX.)	9,535 + 7,240	7,240 + 10,948	7,240 + 10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 + 630 W X 1	630 W X 1 + 620 W X 2	630 W X 1 + 620 W X 2
MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC	



Product registration required.  
Conditions apply.



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## DVM S 230V Heat Pump

SPECIFICATIONS - 288,000 | 312,000 | 336,000

MODEL	MODEL NUMBER		AM288JXVAFH2AA	AM312JXVAFH2AA	AM336JXVAFH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		24	26	28
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM144FXVAFH2AA	AM144FXVAFH2AA	AM168HXVAFH2AA
		MODULE 2	AM144FXVAFH2AA	AM168HXVAFH2AA	AM168HXVAFH2AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		49	54	58
PERFORMANCE	CAPACITY	COOLING	288,000 Btu/h	312,000 Btu/h	336,000 Btu/h
		HEATING	324,000 Btu/h	351,000 Btu/h	378,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.60 / 11.00	9.60 / 10.80	9.50 / 10.60
	IEER (DUCTED / NON-DUCTED)		20.00 / 22.60	18.60 / 21.60	18.00 / 21.50
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.30 / 3.54	3.24 / 3.50	3.20 / 3.46
	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		70.0 + 70.0 A	70.0 + 80.0 A	80.0 + 80.0 A
	MIN. CIRCUIT AMPACITY		52.6 + 52.6 A	52.6 + 66.0 A	66.0 + 66.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)
	WEIGHT		652.1 (2) lbs.	652.1 + 707.7 lbs.	707.7 (2) lbs.
SOUND PRESSURE LEVEL	OUTDOOR		65 dB(A)	66 dB(A)	66 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		38.36 lbs.	43.43 lbs.	48.50 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (4)	SSC Scroll (4)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (4)	Propeller (4)
		CFM (MAX.)	9,535 (2)	9,535 + 10,948	10,948 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (2)
MAX. EXTERNAL STATIC PRESSURE			0.31 in. WC	0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# DVM S 230V Heat Pump

SPECIFICATIONS - 360,000 | 384,000 | 408,000

MODEL	MODEL NUMBER		AM360JXVAFH2AA	AM384JXVAFH2AA	AM408JXVAFH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		30	32	34
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM168HXVAFH2AA	AM192HXVAFH2AA	AM072FXVAFH2AA
		MODULE 2	AM192HXVAFH2AA	AM192HXVAFH2AA	AM144FXVAFH2AA
		MODULE 3	-	-	AM192HXVAFH2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		62	64	64
PERFORMANCE	CAPACITY	COOLING	360,000 Btu/h	384,000 Btu/h	408,000 Btu/h
		HEATING	405,000 Btu/h	432,000 Btu/h	459,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.50	9.50 / 10.00	9.50 / 9.80
	IEER (DUCTED / NON-DUCTED)		17.00 / 17.40	17.10 / 21.50	16.40 / 21.00
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.20	3.20 / 3.40	3.20 / 3.30
	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		80.0 + 90.0 A	90.0 + 90.0 A	35.0 + 70.0 + 90.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2) + 34 5/8 X 66 3/4 X 30 1/8 in.
	WEIGHT		707.7 + 725.80 lbs.	725.8 (2) lbs.	405.7 + 652.1 + 725.8 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		66 dB(A)	67 dB(A)	67 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		48.50 lbs.	48.50 lbs.	55.56 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (4)	SSC Scroll (5)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (4)	Propeller (5)
		CFM (MAX.)	10,948 (2)	10,948 (2)	7,240 + 9,535 + 10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (2) + 630 W X 1
MAX. EXTERNAL STATIC PRESSURE			0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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## DVM S 230V Heat Pump

SPECIFICATIONS - 432,000 | 456,000 | 480,000

MODEL	MODEL NUMBER		AM432JXVAFH2AA	AM456JXVAFH2AA	AM480JXVAFH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		36	38	40
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM144FXVAFH2AA	AM120FXVAFH2AA	AM144FXVAFH2AA
		MODULE 2	AM144FXVAFH2AA	AM168HXVAFH2AA	AM168HXVAFH2AA
		MODULE 3	AM144FXVAFH2AA	AM168HXVAFH2AA	AM168HXVAFH2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	432,000 Btu/h	456,000 Btu/h	480,000 Btu/h
		HEATING	486,000 Btu/h	513,000 Btu/h	540,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.80	9.50 / 9.70	9.50 / 9.50
	IEER (DUCTED / NON-DUCTED)		16.40 / 21.00	16.40 / 20.50	15.70 / 16.20
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.20	3.20 / 3.20	3.20 / 3.20
	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		70.0 + 70.0 + 70.0 A	50.0 + 80.0 + 80.0 A	70.0 + 80.0 + 80.0 A
	MIN. CIRCUIT AMPACITY		52.6 + 52.6 + 52.6 A	43.0 + 66.0 + 66.0 A	52.6 + 66.0 + 66.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		652.1 (3) lbs.	619.1 + 707.7 (2) lbs.	652.1 + 707.7 (2) lbs.
SOUND PRESSURE LEVEL	OUTDOOR		67 dB(A)	67 dB(A)	67 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		57.54 lbs.	64.82 lbs.	67.68 lbs.
COMPRESSOR	TYPE		SSC Scroll (6)	SSC Scroll (6)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (6)	Propeller (6)	Propeller (6)
		CFM (MAX.)	9,535 (3)	9,182 + 10,948 (2)	9,535 + 10,948 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (3)	620 W X 2 (3)	620 W X 2 (3)
CONDENSER FAN	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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# DVM S 230V Heat Pump

SPECIFICATIONS - 504,000 | 528,000

MODEL	MODEL NUMBER		AM504JXVAFH2AA	AM528JXVAFH2AA
	TYPE		HEAT PUMP	HEAT PUMP
TONS	NOMINAL		42	44
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM168HXVAFH2AA	AM168HXVAFH2AA
		MODULE 2	AM168HXVAFH2AA	AM168HXVAFH2AA
		MODULE 3	AM168HXVAFH2AA	AM192HXVAFH2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64
PERFORMANCE	CAPACITY	COOLING	504,000 Btu/h	528,000 Btu/h
		HEATING	567,000 Btu/h	594,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.50	9.50 / 9.50
	IEER (DUCTED / NON-DUCTED)		15.50 / 16.00	16.00 / 19.00
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.20	3.20 / 3.20
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		80.0 + 80.0 + 80.0 A	80.0 + 80.0 + 90.0 A
	MIN. CIRCUITAMPACITY		66.0 + 66.0 + 66.0 A	66.0 + 66.0 + 73.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		707.7 (3) lbs.	707.7 (2) + 725.8 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		68 dB(A)	68 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A
	FACTORY CHARGE		72.75 lbs.	72.75 lbs.
COMPRESSOR	TYPE		SSC Scroll (6)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (6)	Propeller (6)
		CFM (MAX.)	10,948 (3)	10,948 (3)
	MOTOR	TYPE	DC	DC
		OUTPUT	620 W X 2 (3)	620 W X 2 (3)
MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	



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# DVM S 230V Heat Recovery

SPECIFICATIONS - 72,000 | 96,000 | 120,000

MODEL	MODEL NUMBER		AM072FXVAFR2AA	AM096FXVAFR2AA	AM120FXVAFR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		6	8	10
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAFR2AA	AM096FXVAFR2AA	AM120FXVAFR2AA
		MODULE 2	-	-	-
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		12	16	20
PERFORMANCE	CAPACITY	COOLING	72,000 Btu/h	96,000 Btu/h	120,000 Btu/h
		HEATING	81,000 Btu/h	108,000 Btu/h	135,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.00 / 13.00	11.90 / 12.70	11.00 / 11.00
	IEER (DUCTED / NON-DUCTED)		20.70 / 29.70	24.50 / 28.60	20.70 / 21.20
	SCHE (DUCTED / NON-DUCTED)		24.20 / 24.70	24.80 / 26.80	24.10 / 27.10
	COP (47.0°F, DUCTED / NON-DUCTED)		3.46 / 3.71	3.63 / 3.86	3.30 / 3.30
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		35.0 A	50.0 A	50.0 A
	MIN. CIRCUIT AMPACITY		28.0 A	37.8 A	43.0 A
DIMENSIONS	W X H X D		34 5/8 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.
	WEIGHT		410.1 lbs.	632.3 lbs.	632.3 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		60 dB(A)	61 dB(A)	61 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	1/2 in.
	GAS PIPE		3/4 in.	7/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		5/8 in.	3/4 in.	7/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.13 lbs.	16.31 lbs.	16.31 lbs.
COMPRESSOR	TYPE		SSC Scroll (1)	SSC Scroll (2)	SSC Scroll (2)
CONDENSER FAN	FAN	TYPE	Propeller (1)	Propeller (2)	Propeller (2)
		CFM (MAX.)	7,240	9,182	9,182
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	630 W X 1	620 W X 2	620 W X 2
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# DVM S 230V Heat Recovery

SPECIFICATIONS - 144,000 | 168,000 | 192,000

MODEL	MODEL NUMBER		AM144FXVAFR2AA	AM168HXVAFR2AA	AM192HXVAFR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		12	14	16
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM144FXVAFR2AA	AM168HXVAFR2AA	AM192HXVAFR2AA
		MODULE 2	-	-	-
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		25	29	33
PERFORMANCE	CAPACITY	COOLING	144,000 Btu/h	168,000 Btu/h	192,000 Btu/h
		HEATING	162,000 Btu/h	189,000 Btu/h	216,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.80 / 11.50	10.60 / 10.60	10.60 / 11.10
	IEER (DUCTED / NON-DUCTED)		21.00 / 23.90	18.70 / 19.80	20.00 / 20.50
	SCHE (DUCTED / NON-DUCTED)		23.70 / 23.10	22.80 / 22.30	21.40 / 21.90
	COP (47.0°F, DUCTED / NON-DUCTED)		3.44 / 3.81	3.20 / 3.20	3.32 / 3.61
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		70.0 A	80.0 A	90.0 A
	MIN. CIRCUIT AMPACITY		52.6 A	66.0 A	73.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.
	WEIGHT		667.6 lbs.	723.1 lbs.	741.2 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		62 dB(A)	63 dB(A)	64 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		1/2 in.	5/8 in.	5/8 in.
	GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		7/8 in.	7/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		19.18 lbs.	24.25 lbs.	24.25 lbs.
COMPRESSOR	TYPE		SSC Scroll (2)	SSC Scroll (2)	SSC Scroll (2)
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (2)	Propeller (2)
		CFM (MAX.)	9,535	10,948	10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2	620 W X 2	620 W X 2
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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# DVM S 230V Heat Recovery

SPECIFICATIONS - 216,000 | 240,000 | 264,000

MODEL	MODEL NUMBER		AM216JXVAFR2AA	AM240JXVAFR2AA	AM264JXVAFR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		18	20	22
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAFR2AA	AM072FXVAFR2AA	AM072FXVAFR2AA
		MODULE 2	AM144FXVAFR2AA	AM168HXVAFR2AA	AM192HXVAFR2AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		37	41	45
PERFORMANCE	CAPACITY	COOLING	216,000 Btu/h	240,000 Btu/h	264,000 Btu/h
		HEATING	243,000 Btu/h	270,000 Btu/h	297,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.60 / 10.60	10.60 / 10.80	9.80 / 10.70
	IEER (DUCTED / NON-DUCTED)		21.20 / 22.60	20.10 / 23.00	19.60 / 22.50
	SCHE (DUCTED / NON-DUCTED)		21.80 / 22.70	18.60 / 20.20	18.60 / 20.30
	COP (47.0°F, DUCTED / NON-DUCTED)		3.54 / 3.77	3.45 / 3.65	3.30 / 3.56
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		35.0 + 70.0 A	35.0 + 80.0 A	35.0 + 90.0 A
	MIN. CIRCUIT AMPACITY		28.0 + 52.6 A	28.0 + 66.0 A	28.0 + 73.0 A
DIMENSIONS	W X H X D		34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.	34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.	34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.
	WEIGHT		410.1 + 667.6 lbs.	410.1 + 723.1 lbs.	410.1 + 741.1 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		64 dB(A)	65 dB(A)	65 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
		HEATING	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
	LIQUID PIPE		5/8 in.	5/8 in.	3/4 in.
PIPE CONNECTIONS	GAS PIPE		1 1/8 in.	1 1/8 in.	1 3/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		31.31 lbs.	36.38 lbs.	36.38 lbs.
COMPRESSOR	TYPE		SSC Scroll (3)	SSC Scroll (3)	SSC Scroll (3)
CONDENSER FAN	FAN	TYPE	Propeller (3)	Propeller (3)	Propeller (3)
		CFM (MAX.)	9,535 + 7,240	7,240 + 10,948	7,240 + 10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 + 630 W X 1	630 W X 1 + 620 W X 2	630 W X 1 + 620 W X 2
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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# DVM S 230V Heat Recovery

SPECIFICATIONS - 288,000 | 312,000 | 336,000

MODEL	MODEL NUMBER		AM288JXVAFR2AA	AM312JXVAFR2AA	AM336JXVAFR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		24	26	28
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM144FXVAFR2AA	AM144FXVAFR2AA	AM168HXVAFR2AA
		MODULE 2	AM144FXVAFR2AA	AM168HXVAFR2AA	AM168HXVAFR2AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		49	54	58
PERFORMANCE	CAPACITY	COOLING	288,000 Btu/h	312,000 Btu/h	336,000 Btu/h
		HEATING	324,000 Btu/h	351,000 Btu/h	378,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.60 / 11.00	9.60 / 10.80	9.50 / 10.60
	IEER (DUCTED / NON-DUCTED)		20.00 / 22.60	18.60 / 21.60	18.00 / 21.50
	SCHE (DUCTED / NON-DUCTED)		20.30 / 20.50	18.60 / 21.20	18.60 / 20.80
	COP (47.0°F, DUCTED / NON-DUCTED)		3.30 / 3.54	3.24 / 3.50	3.20 / 3.46
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		70.0 + 70.0 A	70.0 + 80.0 A	80.0 + 80.0 A
	MIN. CIRCUIT AMPACITY		52.6 + 52.6 A	52.6 + 66.0 A	66.0 + 66.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)
	WEIGHT		667.6 (2) lbs.	667.6 + 723.1 lbs.	723.1 (2) lbs.
SOUND PRESSURE LEVEL	OUTDOOR		65 dB(A)	66 dB(A)	66 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		38.36 lbs.	43.43 lbs.	48.50 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (4)	SSC Scroll (4)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (4)	Propeller (4)
		CFM (MAX.)	9,535 (2)	9,535 + 10,948	10,948 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (2)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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# DVM S 230V Heat Recovery

SPECIFICATIONS - 360,000 | 384,000 | 408,000

MODEL	MODEL NUMBER		AM360JXVAFR2AA	AM384JXVAFR2AA	AM408JXVAFR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		30	32	34
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM168HXVAFR2AA	AM192HXVAFR2AA	AM072FXVAFR2AA
		MODULE 2	AM192HXVAFR2AA	AM192HXVAFR2AA	AM144FXVAFR2AA
		MODULE 3	-	-	AM192HXVAFR2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		62	64	64
PERFORMANCE	CAPACITY	COOLING	360,000 Btu/h	384,000 Btu/h	408,000 Btu/h
		HEATING	405,000 Btu/h	432,000 Btu/h	459,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.50	9.50 / 10.00	9.50 / 9.80
	IEER (DUCTED / NON-DUCTED)		17.00 / 17.40	17.10 / 21.50	16.40 / 21.00
	SCHE (DUCTED / NON-DUCTED)		17.90 / 20.20	17.30 / 19.80	17.30 / 19.80
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.20	3.20 / 3.40	3.20 / 3.30
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		80.0 + 90.0 A	90.0 + 90.0 A	35.0 + 70.0 + 90.0 A
	MIN. CIRCUIT AMPACITY		66.0 + 73.0 A	73.0 + 73.0 A	28.0 + 52.6 + 73.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2) + 34 5/8 X 66 3/4 X 30 1/8 in.
	WEIGHT		723.1 + 741.2 lbs.	741.2 (2) lbs.	410.1 + 667.6 + 741.2 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		66 dB(A)	67 dB(A)	67 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		48.50 lbs.	48.50 lbs.	55.56 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (4)	SSC Scroll (5)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (4)	Propeller (5)
		CFM (MAX.)	10,948 (2)	10,948 (2)	7,240 + 9,535 + 10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (2) + 630 W X 1
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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# DVM S 230V Heat Recovery

SPECIFICATIONS - 432,000 | 456,000 | 480,000

MODEL	MODEL NUMBER		AM432JXVAFR2AA	AM456JXVAFR2AA	AM480JXVAFR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		36	38	40
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM144FXVAFR2AA	AM120FXVAFR2AA	AM144FXVAFR2AA
		MODULE 2	AM144FXVAFR2AA	AM168HXVAFR2AA	AM168HXVAFR2AA
		MODULE 3	AM144FXVAFR2AA	AM168HXVAFR2AA	AM168HXVAFR2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	432,000 Btu/h	456,000 Btu/h	480,000 Btu/h
		HEATING	486,000 Btu/h	513,000 Btu/h	540,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.80	9.50 / 9.70	9.50 / 9.50
	IEER (DUCTED / NON-DUCTED)		16.40 / 21.00	16.40 / 20.50	15.70 / 16.20
	SCHE (DUCTED / NON-DUCTED)		18.00 / 19.40	18.00 / 19.40	18.00 / 19.40
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.20	3.20 / 3.20	3.20 / 3.20
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		70.0 + 70.0 + 70.0 A	50.0 + 80.0 + 80.0 A	70.0 + 80.0 + 80.0 A
	MIN. CIRCUIT AMPACITY		52.6 + 52.6 + 52.6 A	43.0 + 66.0 + 66.0 A	52.6 + 66.0 + 66.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		667.6 (3) lbs.	623.3 + 723.1 (2) lbs.	667.6 + 723.1 (2) lbs.
SOUND PRESSURE LEVEL	OUTDOOR		67 dB(A)	67 dB(A)	67 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		57.54 lbs.	64.82 lbs.	67.68 lbs.
COMPRESSOR	TYPE		SSC Scroll (6)	SSC Scroll (6)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (6)	Propeller (6)	Propeller (6)
		CFM (MAX.)	9,535 (3)	9,182 + 10,948 (2)	9,535 + 10,948 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (3)	620 W X 2 (3)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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# DVM S 230V Heat Recovery

SPECIFICATIONS - 504,000 | 528,000

MODEL	MODEL NUMBER		AM504JXVAFR2AA	AM528JXVAFR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		42	44
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM168HXVAFR2AA	AM168HXVAFR2AA
		MODULE 2	AM168HXVAFR2AA	AM168HXVAFR2AA
		MODULE 3	AM168HXVAFR2AA	AM192HXVAFR2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64
PERFORMANCE	CAPACITY	COOLING	504,000 Btu/h	528,000 Btu/h
		HEATING	567,000 Btu/h	594,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.50	9.50 / 9.50
	IEER (DUCTED / NON-DUCTED)		15.50 / 16.00	16.00 / 19.00
	SCHE (DUCTED / NON-DUCTED)		18.00 / 18.00	17.50 / 17.10
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.20	3.20 / 3.20
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		80.0 + 80.0 + 80.0 A	80.0 + 80.0 + 90.0 A
	MIN. CIRCUIT AMPACITY		66.0 + 66.0 + 66.0 A	66.0 + 66.0 + 73.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		723.1 (3) lbs.	723.1 (2) + 741.2 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		68 dB(A)	68 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A
	FACTORY CHARGE		72.75 lbs.	72.75 lbs.
COMPRESSOR	TYPE		SSC Scroll (6)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (6)	Propeller (6)
		CFM (MAX.)	10,948 (3)	10,948 (3)
	MOTOR	TYPE	DC	DC
		OUTPUT	620 W X 2 (3)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# DVM S 460V Heat Pump

SPECIFICATIONS - 72,000 | 96,000 | 120,000

MODEL	MODEL NUMBER		AM072FXVAJH2AA	AM096FXVAJH2AA	AM120FXVAJH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		6	8	10
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAJH2AA	AM096FXVAJH2AA	AM120FXVAJH2AA
		MODULE 2	-	-	-
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		12	16	20
PERFORMANCE	CAPACITY	COOLING	72,000 Btu/h	96,000 Btu/h	120,000 Btu/h
		HEATING	81,000 Btu/h	108,000 Btu/h	135,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.00 / 13.00	11.90 / 12.70	11.00 / 11.00
	IEER (DUCTED / NON-DUCTED)		20.70 / 29.70	24.50 / 28.60	19.20 / 21.20
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.46 / 3.71	3.63 / 3.86	3.30 / 3.30
	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		20.0 A	25.0 A	30.0 A
	MIN. CIRCUIT AMPACITY		16.4 A	19.0 A	21.7 A
DIMENSIONS	W X H X D		34 5/8 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.
	WEIGHT		416.7 lbs.	535.3 lbs.	535.3 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		60 dB(A)	61 dB(A)	61 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
			-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	1/2 in.
	GAS PIPE		3/4 in.	7/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.13 lbs.	16.31 lbs.	16.31 lbs.
COMPRESSOR	TYPE		SSC Scroll (1)	SSC Scroll (1)	SSC Scroll (1)
CONDENSER FAN	FAN	TYPE	Propeller (1)	Propeller (2)	Propeller (2)
		CFM (MAX.)	7,240	9,182	9,182
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	630 W X 1	620 W X 2	620 W X 2
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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## DVM S 460V Heat Pump

SPECIFICATIONS - 144,000 | 168,000 | 192,000

MODEL	MODEL NUMBER		AM144FXVAJH2AA	AM168HXVAJH2AA	AM192HXVAJH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		12	14	16
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM144FXVAJH2AA	AM168HXVAJH2AA	AM192HXVAJH2AA
		MODULE 2	-	-	-
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		25	29	33
PERFORMANCE	CAPACITY	COOLING	144,000 Btu/h	168,000 Btu/h	192,000 Btu/h
		HEATING	162,000 Btu/h	189,000 Btu/h	216,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.80 / 11.50	10.60 / 10.60	10.60 / 11.10
	IEER (DUCTED / NON-DUCTED)		21.00 / 23.90	18.70 / 19.80	20.00 / 20.50
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.44 / 3.81	3.20 / 3.20	3.32 / 3.61
	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		40.0 A	40.0 A	50.0 A
	MIN. CIRCUIT AMPACITY		26.4 A	33.0 A	37.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.
	WEIGHT		667.6 lbs.	710.1 lbs.	727.7 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		62 dB(A)	63 dB(A)	64 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		1/2 in.	5/8 in.	5/8 in.
	GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		19.18 lbs.	24.25 lbs.	24.25 lbs.
COMPRESSOR	TYPE		SSC Scroll (2)	SSC Scroll (2)	SSC Scroll (2)
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (4)	Propeller (2)
		CFM (MAX.)	9,535	10,948	10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2	620 W X 2	620 W X 2
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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# DVM S 460V Heat Pump

SPECIFICATIONS - 216,000 | 240,000

MODEL	MODEL NUMBER		AM216JXVAJH2AA	AM216KXVGJH/AA	AM240JXVAJH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		18	18	20
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAJH2AA	AM216KXVGJH/AA	AM072FXVAJH2AA
		MODULE 2	AM144FXVAJH2AA	-	AM168HXVAJH2AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		37	37	41
PERFORMANCE	CAPACITY	COOLING	216,000 Btu/h	216,000 Btu/h	240,000 Btu/h
		HEATING	243,000 Btu/h	243,000 Btu/h	270,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.60 / 10.60	10.70 / 11.00	10.60 / 10.80
	IEER (DUCTED / NON-DUCTED)		21.20 / 22.60	22.30 / 24.50	20.10 / 23.00
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.54 / 3.77	3.62 / 3.82	3.45 / 3.65
	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		20.0 + 40.0 A	60.0 A	20.0 + 40.0 A
	MIN. CIRCUIT AMPACITY		16.4 + 26.4 A	42.8 A	16.4 + 33.0 A
DIMENSIONS	W X H X D		34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.	51 X 70 11/16 X 30 1/8 in.	34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.
	WEIGHT		416.7 + 667.6 lbs.	749.57 lbs.	416.7 + 710.1 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		64 dB(A)	66 dB(A)	65 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
		HEATING	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
	LIQUID PIPE		5/8 in.	5/8 in.	5/8 in.
PIPE CONNECTIONS	GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		31.31 lbs.	27.56 lbs.	36.38 lbs.
COMPRESSOR	TYPE		SSC Scroll (3)	SSC Scroll (2)	SSC Scroll (3)
CONDENSER FAN	FAN	TYPE	Propeller (3)	Propeller (2)	Propeller (3)
		CFM (MAX.)	7,240 + 9,535	12,007	7,240 + 10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	630 W X 1 + 620 W X 2	620 W X 2	630 W X 1 + 620 W X 2
CONDENSER FAN	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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# Specifications

## DVM S 460V Heat Pump

SPECIFICATIONS - 264,000 | 288,000 | 312,000

MODEL	MODEL NUMBER		AM264JXVAJH2AA	AM288JXVAJH2AA	AM312JXVAJH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		22	24	26
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAJH2AA	AM144FXVAJH2AA	AM144FXVAJH2AA
		MODULE 2	AM192HXVAJH2AA	AM144FXVAJH2AA	AM168HXVAJH2AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		45	49	54
PERFORMANCE	CAPACITY	COOLING	264,000 Btu/h	288,000 Btu/h	312,000 Btu/h
		HEATING	297,000 Btu/h	324,000 Btu/h	351,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.80 / 10.70	9.60 / 11.00	9.60 / 10.80
	IEER (DUCTED / NON-DUCTED)		19.60 / 22.50	20.00 / 22.60	18.60 / 21.60
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.30 / 3.56	3.30 / 3.54	3.24 / 3.50
	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		20.0 + 50.0 A	40.0 + 40.0 A	40.0 + 40.0 A
	MIN. CIRCUIT AMPACITY		16.4 + 37.0 A	26.4 + 26.4 A	26.4 + 33.0 A
DIMENSIONS	W X H X D		34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)
	WEIGHT		416.7 + 727.7 lbs.	667.6 (2) lbs.	667.6 + 710.1 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		65 dB(A)	65 dB(A)	66 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
			-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		36.38 lbs.	38.36 lbs.	43.43 lbs.
COMPRESSOR	TYPE		SSC Scroll (3)	SSC Scroll (4)	SSC Scroll (4)
CONDENSER FAN	FAN	TYPE	Propeller (3)	Propeller (4)	Propeller (4)
		CFM (MAX.)	7,240 + 10,948	9,535 (2)	9,535 + 10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	630 W X 1 + 620 W X 2	620 W X 2 (2)	620 W X 2 (2)
CONDENSER FAN	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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# DVM S 460V Heat Pump

SPECIFICATIONS - 336,000 | 360,000 | 384,000

MODEL	MODEL NUMBER		AM336JXVAJH2AA	AM360JXVAJH2AA	AM384JXVAJH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		28	30	32
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM168HXVAJH2AA	AM168HXVAJH2AA	AM192HXVAJH2AA
		MODULE 2	AM168HXVAJH2AA	AM192HXVAJH2AA	AM192HXVAJH2AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		58	62	64
PERFORMANCE	CAPACITY	COOLING	336,000 Btu/h	360,000 Btu/h	384,000 Btu/h
		HEATING	378,000 Btu/h	405,000 Btu/h	432,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 10.60	9.50 / 9.50	9.50 / 10.00
	IEER (DUCTED / NON-DUCTED)		18.00 / 21.50	17.00 / 17.40	1710 / 21.50
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.46	3.20 / 3.20	3.20 / 3.40
POWER	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		40.0 + 40.0 A	40.0 + 50.0 A	50.0 + 50.0 A
	MIN. CIRCUIT AMPACITY		33.0 + 33.0 A	33.0 + 37.0 A	37.0 + 37.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)
	WEIGHT		710.1 (2) lbs.	710.1 + 727.7 lbs.	727.7 (2) lbs.
SOUND PRESSURE LEVEL	OUTDOOR		66 dB(A)	66 dB(A)	67 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 3/8 in.	1 5/8 in.	1 5/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		48.50 lbs.	48.50 lbs.	48.50 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (4)	SSC Scroll (4)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (4)	Propeller (4)
		CFM (MAX.)	10,948 (2)	10,948 (2)	10,948 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (2)
MAX. EXTERNAL STATIC PRESSURE			0.31 in. WC	0.31 in. WC	0.31 in. WC



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## DVM S 460V Heat Pump

SPECIFICATIONS - 408,000 | 432,000

MODEL	MODEL NUMBER		AM408JXVAJH2AA	AM408KXVGJH2AA	AM432JXVAJH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		34	34	36
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAJH2AA	AM192HXVAJH2AA	AM144FXVAJH2AA
		MODULE 2	AM144FXVAJH2AA	AM216KXVGJH/AA	AM144FXVAJH2AA
		MODULE 3	AM192HXVAJH2AA	-	AM144FXVAJH2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	408,000 Btu/h	408,000 Btu/h	432,000 Btu/h
		HEATING	459,000 Btu/h	459,000 Btu/h	486,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.80	9.50 / 9.80	9.50 / 9.80
	IEER (DUCTED / NON-DUCTED)		16.40 / 21.00	16.40 / 21.00	16.40 / 21.00
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.30	3.20 / 3.30	3.20 / 3.20
POWER	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		20.0 + 40.0 + 50.0 A	50.0 + 60.0 A	40.0 + 40.0 + 40.0 A
	MIN. CIRCUIT AMPACITY		16.4 + 26.4 + 37.0 A	37.0 + 42.8 A	26.4 + 26.4 + 26.4 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2) + 34 5/8 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in. + 51 X 70 11/16 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		416.7 + 667.6 + 727.7 lbs.	736.34 + 749.57 lbs.	667.6 (3) lbs.
SOUND PRESSURE LEVEL	OUTDOOR		67 dB(A)	68 dB(A)	67 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		55.56 lbs.	51.81 lbs.	57.54 lbs.
COMPRESSOR	TYPE		SSC Scroll (5)	SSC Scroll (4)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (5)	Propeller (4)	Propeller (6)
		CFM (MAX.)	7,240 + 9,535 + 10,948	10,948 + 12,007	9,535 (3)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	630 W X 1 + 620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# DVM S 460V Heat Pump

SPECIFICATIONS - 432,000 | 456,000 | 480,000

MODEL	MODEL NUMBER		AM432KXVGJH2AA	AM456JXVAJH2AA	AM480JXVAJH2AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		36	38	40
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM216KXVGJH/AA	AM120FXVAJH2AA	AM144FXVAJH2AA
		MODULE 2	AM216KXVGJH/AA	AM168HXVAJH2AA	AM168HXVAJH2AA
		MODULE 3	-	AM168HXVAJH2AA	AM168HXVAJH2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	432,000 Btu/h	456,000 Btu/h	480,000 Btu/h
		HEATING	486,000 Btu/h	513,000 Btu/h	540,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.80	9.50 / 9.70	9.50 / 9.50
	IEER (DUCTED / NON-DUCTED)		16.40 / 21.00	16.40 / 20.50	15.70 / 16.20
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.30	3.20 / 3.20	3.20 / 3.20
POWER	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		60.0 + 60.0 A	30.0 + 40.0 + 40.0 A	40.0 + 40.0 + 40.0 A
	MIN. CIRCUITAMPACITY		42.8 + 42.8 A	21.7 + 33.0 + 33.0 A	26.4 + 33.0 + 33.0 A
DIMENSIONS	W X H X D		51 X 70 11/16 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		749.57 + 749.57 lbs.	535.3 + 710.1 (2) lbs.	667.6 + 710.1 (2) lbs.
SOUND PRESSURE LEVEL	OUTDOOR		69 dB(A)	67 dB(A)	67 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		55.12 lbs.	64.82 lbs.	67.68 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (5)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (6)	Propeller (6)
		CFM (MAX.)	12,007 (2)	9,182 + 10,948 (2)	9,535 + 10,948 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (3)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# DVM S 460V Heat Pump

SPECIFICATIONS - 504,000 | 528,000

MODEL	MODEL NUMBER		AM504JXVAJH2AA	AM528JXVAJH2AA
	TYPE		HEAT PUMP	HEAT PUMP
TONS	NOMINAL		42	44
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM168HXVAJH2AA	AM168HXVAJH2AA
		MODULE 2	AM168HXVAJH2AA	AM168HXVAJH2AA
		MODULE 3	AM168HXVAJH2AA	AM192HXVAJH2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64
PERFORMANCE	CAPACITY	COOLING	504,000 Btu/h	528,000 Btu/h
		HEATING	567,000 Btu/h	594,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.50	9.50 / 9.50
	IEER (DUCTED / NON-DUCTED)		15.50 / 16.00	16.00 / 19.00
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.20	3.20 / 3.20
POWER	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		40.0 + 40.0 + 40.0 A	40.0 + 40.0 + 50.0 A
	MIN. CIRCUIT AMPACITY		33.0 + 33.0 + 33.0 A	33.0 + 33.0 + 37.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		710.1 (3) lbs.	710.1 (2) + 727.7 lbs.
	SOUND PRESSURE LEVEL		OUTDOOR	68 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A
	FACTORY CHARGE		72.75 lbs.	72.75 lbs.
COMPRESSOR	TYPE		SSC Scroll (6)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (6)	Propeller (6)
		CFM (MAX.)	10,948 (3)	10,948 (3)
	MOTOR	TYPE	DC	DC
		OUTPUT	620 W X 2 (3)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC



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Conditions apply.



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# DVM S 460V Heat Recovery

SPECIFICATIONS - 72,000 | 96,000 | 120,000

MODEL	MODEL NUMBER		AM072FXVAJR2AA	AM096FXVAJR2AA	AM120FXVAJR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		6	8	10
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAJR2AA	AM096FXVAJR2AA	AM120FXVAJR2AA
		MODULE 2	-	-	-
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		12	16	20
PERFORMANCE	CAPACITY	COOLING	72,000 Btu/h	96,000 Btu/h	120,000 Btu/h
		HEATING	81,000 Btu/h	108,000 Btu/h	135,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.00 / 13.00	11.90 / 12.70	11.00 / 11.00
	IEER (DUCTED / NON-DUCTED)		20.70 / 29.70	24.50 / 28.60	19.20 / 21.20
	SCHE (DUCTED / NON-DUCTED)		24.20 / 24.70	24.80 / 26.80	24.10 / 25.40
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.46 / 3.71	3.63 / 3.86	3.30 / 3.30
	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		20.0 A	25.0 A	30.0 A
	MIN. CIRCUIT AMPACITY		16.4 A	19.0 A	21.7 A
DIMENSIONS	W X H X D		34 5/8 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.
	WEIGHT		425.49 lbs.	548.5 lbs.	548.5 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		60 dB(A)	61 dB(A)	61 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	1/2 in.
	GAS PIPE		3/4 in.	7/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		5/8 in.	3/4 in.	7/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.13 lbs.	16.31 lbs.	16.31 lbs.
COMPRESSOR	TYPE		SSC Scroll (1)	SSC Scroll (1)	SSC Scroll (1)
CONDENSER FAN	FAN	TYPE	Propeller (1)	Propeller (2)	Propeller (2)
		CFM (MAX.)	7,240	9,182	9,182
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	630 W X 1	620 W X 2	620 W X 2
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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## DVM S 460V Heat Recovery

SPECIFICATIONS - 144,000 | 168,000 | 192,000

MODEL	MODEL NUMBER		AM144FXVAJR2AA	AM168HXVAJR2AA	AM192HXVAJR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		12	14	16
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM144FXVAJR2AA	AM168HXVAJR2AA	AM192HXVAJR2AA
		MODULE 2	-	-	-
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		25	29	33
PERFORMANCE	CAPACITY	COOLING	144,000 Btu/h	168,000 Btu/h	192,000 Btu/h
		HEATING	162,000 Btu/h	189,000 Btu/h	216,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.80 / 11.50	10.60 / 10.60	10.60 / 11.10
	IEER (DUCTED / NON-DUCTED)		21.00 / 23.90	18.70 / 19.80	20.00 / 20.50
	SCHE (DUCTED / NON-DUCTED)		23.70 / 23.10	22.80 / 22.30	21.40 / 21.90
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.44 / 3.81	3.20 / 3.20	3.32 / 3.61
	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		40.0 A	40.0 A	50.0 A
	MIN. CIRCUIT AMPACITY		26.4 A	33.0 A	37.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.
	WEIGHT		687.4 lbs.	725.8 lbs.	743.2 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		62 dB(A)	63 dB(A)	64 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		1/2 in.	5/8 in.	5/8 in.
	GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		7/8 in.	7/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		19.18 lbs.	24.25 lbs.	24.25 lbs.
COMPRESSOR	TYPE		SSC Scroll (2)	SSC Scroll (2)	SSC Scroll (2)
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (4)	Propeller (2)
		CFM (MAX.)	9,535	10,948	10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2	620 W X 2	620 W X 2
MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC	



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# DVM S 460V Heat Recovery

SPECIFICATIONS - 216,000 | 240,000

MODEL	MODEL NUMBER		AM216JXVAJR2AA	AM216KXVGJR/AA	AM240JXVAJR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		18	18	20
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAJR2AA	AM216KXVGJR/AA	AM072FXVAJR2AA
		MODULE 2	AM144FXVAJR2AA	-	AM168HXVAJR2AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		37	37	41
PERFORMANCE	CAPACITY	COOLING	216,000 Btu/h	216,000 Btu/h	240,000 Btu/h
		HEATING	243,000 Btu/h	243,000 Btu/h	270,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.60 / 10.60	10.70 / 11.00	10.60 / 10.80
	IEER (DUCTED / NON-DUCTED)		21.20 / 22.60	22.30 / 24.50	20.10 / 23.00
	SCHE (DUCTED / NON-DUCTED)		21.80 / 22.70	23.70 / 25.80	18.60 / 20.20
POWER	COP(47.0°F, DUCTED / NON-DUCTED)		3.54 / 3.77	3.62 / 3.82	3.45 / 3.65
	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		20.0 + 40.0 A	42.8 A	20.0 + 40.0 A
	MIN. CIRCUIT AMPACITY		16.4 + 26.4 A	60.0 A	16.4 + 33.0 A
DIMENSIONS	W X H X D		34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.	51 X 70 11/16 X 30 1/8 in.	34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.
	WEIGHT		425.49 + 687.4 lbs.	782.64 lbs.	425.49 + 725.8 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		64 dB(A)	66 dB(A)	65 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	5/8 in.	5/8 in.
	GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		31.31 lbs.	30.9 lbs.	36.38 lbs.
COMPRESSOR	TYPE		SSC Scroll (3)	SSC Scroll (2)	SSC Scroll (3)
CONDENSER FAN	FAN	TYPE	Propeller (3)	Propeller (2)	Propeller (3)
		CFM (MAX.)	7,240 + 9,535	12,007	7,240 + 10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	630 W X 1 + 620 W X 2	620 W X 2	630 W X 1 + 620 W X 2
MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC	



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# Specifications

## DVM S 460V Heat Recovery

SPECIFICATIONS - 264,000 | 288,000 | 312,000

MODEL	MODEL NUMBER		AM264JXVAJR2AA	AM288JXVAJR2AA	AM312JXVAJR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		22	24	26
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAJR2AA	AM144FXVAJR2AA	AM144FXVAJR2AA
		MODULE 2	AM192HXVAJR2AA	AM144FXVAJR2AA	AM168HXVAJR2AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		45	49	54
PERFORMANCE	CAPACITY	COOLING	264,000 Btu/h	288,000 Btu/h	312,000 Btu/h
		HEATING	297,000 Btu/h	324,000 Btu/h	351,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.80 / 10.70	9.60 / 11.00	9.60 / 10.80
	IEER (DUCTED / NON-DUCTED)		19.60 / 22.50	20.00 / 22.60	18.60 / 21.60
	SCHE (DUCTED / NON-DUCTED)		18.60 / 20.30	20.30 / 20.50	18.60 / 21.20
	COP (47.0°F, DUCTED / NON-DUCTED)		3.30 / 3.56	3.30 / 3.54	3.24 / 3.50
POWER	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		20.0 + 50.0 A	40.0 + 40.0 A	40.0 + 40.0 A
	MIN. CIRCUIT AMPACITY		16.4 + 37.0	26.4 + 26.4 A	26.4 + 33.0 A
DIMENSIONS	W X H X D		34 5/8 X 66 3/4 X 30 1/8 in. + 51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)
	WEIGHT		425.49 + 743.2 lbs.	687.4 (2) lbs.	687.4 + 725.8 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		65 dB(A)	65 dB(A)	66 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		36.38 lbs.	38.36 lbs.	43.43 lbs.
COMPRESSOR	TYPE		SSC Scroll (3)	SSC Scroll (4)	SSC Scroll (4)
CONDENSER FAN	FAN	TYPE	Propeller (3)	Propeller (4)	Propeller (4)
		CFM (MAX.)	7,240 + 10,948	9,535 (2)	9,535 + 10,948
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	630 W X 1 + 620 W X 2	620 W X 2 (2)	620 W X 2 (2)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# DVM S 460V Heat Recovery

SPECIFICATIONS - 336,000 | 360,000 | 384,000

MODEL	MODEL NUMBER		AM336JXVAJR2AA	AM360JXVAJR2AA	AM384JXVAJR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		28	30	32
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM168HXVAJR2AA	AM168HXVAJR2AA	AM192HXVAJR2AA
		MODULE 2	AM168HXVAJR2AA	AM192HXVAJR2AA	AM192HXVAJR2AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		58	62	64
PERFORMANCE	CAPACITY	COOLING	336,000 Btu/h	360,000 Btu/h	384,000 Btu/h
		HEATING	378,000 Btu/h	405,000 Btu/h	432,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 10.60	9.50 / 9.50	9.50 / 10.00
	IEER (DUCTED / NON-DUCTED)		18.00 / 21.50	17.00 / 17.40	17.10 / 21.50
	SCHE (DUCTED / NON-DUCTED)		18.60 / 20.80	17.90 / 20.20	17.30 / 19.80
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.46	3.20 / 3.20	3.20 / 3.40
POWER	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		40.0 + 40.0 A	40.0 + 50.0 A	50.0 + 50.0 A
	MIN. CIRCUIT AMPACITY		33.0 + 33.0 A	33.0 + 37.0 A	37.0 + 37.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)
	WEIGHT		725.8 (2) lbs.	725.8 + 743.2 lbs.	743.2 (2) lbs.
SOUND PRESSURE LEVEL	OUTDOOR		66 dB(A)	66 dB(A)	67 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 3/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		48.50 lbs.	48.50 lbs.	48.50 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (4)	SSC Scroll (4)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (4)	Propeller (4)
		CFM (MAX.)	10,948 (2)	10,948 (2)	10,948 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (2)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# Specifications

## DVM S 460V Heat Recovery

SPECIFICATIONS - 408, 000 | 432,000

MODEL	MODEL NUMBER		AM408JXVAJR2AA	AM408KXVGJR2AA	AM432JXVAJR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		34	34	36
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072FXVAJR2AA	AM192HXVAJR2AA	AM144FXVAJR2AA
		MODULE 2	AM144FXVAJR2AA	AM216KXVGJR/AA	AM144FXVAJR2AA
		MODULE 3	AM192HXVAJR2AA	-	AM144FXVAJR2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	408,000 Btu/h	408,000 Btu/h	432,000 Btu/h
		HEATING	459,000 Btu/h	459,000 Btu/h	486,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.80	9.50 / 9.80	9.50 / 9.80
	IEER (DUCTED / NON-DUCTED)		16.40 / 21.00	16.40 / 21.00	16.40 / 21.00
	SCHE (DUCTED / NON-DUCTED)		17.30 / 19.80	19.10 / 21.80	18.00 / 19.40
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.30	3.20 / 3.30	3.20 / 3.20
POWER	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		20.0 + 40.0 + 50.0 A	50.0 + 60.0 A	40.0 + 40.0 + 40.0 A
	MIN. CIRCUIT AMPACITY		16.4 + 26.4 + 37.0 A	37.0 + 42.8 A	26.4 + 26.4 + 26.4 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2) + 34 5/8 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in. + 51 X 70 11/16 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		425.49 + 687.4 + 743.2 lbs.	734.14 + 782.64 lbs.	687.4 (3) lbs.
SOUND PRESSURE LEVEL	OUTDOOR		67 dB(A)	68 dB(A)	67 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		55.56 lbs.	55.12 lbs.	57.54 lbs.
COMPRESSOR	TYPE		SSC Scroll (5)	SSC Scroll (4)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (5)	Propeller (4)	Propeller (6)
		CFM (MAX.)	7,240 + 9,535 + 10,948	10,948 + 12,007	9,535 (3)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	630 W X 1 + 620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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# DVM S 460V Heat Recovery

SPECIFICATIONS - 432,000 | 456,000 | 480,000

MODEL	MODEL NUMBER		AM432KXVGJR2AA	AM456JXVAJR2AA	AM480JXVAJR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		36	38	40
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM216KXVGJR/AA	AM120FXVAJR2AA	AM144FXVAJR2AA
		MODULE 2	AM216KXVGJR/AA	AM168HXVAJR2AA	AM168HXVAJR2AA
		MODULE 3	-	AM168HXVAJR2AA	AM168HXVAJR2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	432,000 Btu/h	456,000 Btu/h	480,000 Btu/h
		HEATING	486,000 Btu/h	513,000 Btu/h	540,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.80	9.50 / 9.70	9.50 / 9.50
	IEER (DUCTED / NON-DUCTED)		16.40 / 21.00	16.40 / 20.50	15.70 / 16.20
	SCHE (DUCTED / NON-DUCTED)		19.00 / 21.20	18.00 / 19.40	18.00 / 19.40
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.30	3.20 / 3.20	3.20 / 3.20
	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		60.0 + 60.0 A	30.0 + 40.0 + 40.0 A	40.0 + 40.0 + 40.0 A
	MIN. CIRCUIT AMPACITY		42.8 + 42.8 A	21.7 + 33.0 + 33.0 A	26.4+ 33.0 + 33.0 A
	DIMENSIONS	W X H X D		51 X 70 11/16 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (3)
WEIGHT		782.64 (2) lbs.	687.4 + 725.8 (2) lbs.	687.4 + 725.8 (2) lbs.	
SOUND PRESSURE LEVEL	OUTDOOR		69 dB(A)	67 dB(A)	67 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		61.73 lbs.	64.82 lbs.	67.68 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (5)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (6)	Propeller (6)
		CFM (MAX.)	12,007 (2)	9,182 + 10,948 (2)	9,535 + 10,948 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (3)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# DVM S 460V Heat Recovery

SPECIFICATIONS - 504,000 | 528,000

MODEL	MODEL NUMBER		AM504JXVAJR2AA	AM528JXVAJR2AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		42	44
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM168HXVAJR2AA	AM168HXVAJR2AA
		MODULE 2	AM168HXVAJR2AA	AM168HXVAJR2AA
		MODULE 3	AM168HXVAJR2AA	AM192HXVAJR2AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64
PERFORMANCE	CAPACITY	COOLING	504,000 Btu/h	528,000 Btu/h
		HEATING	567,000 Btu/h	594,000 Btu/h
	EER (DUCTED / NON-DUCTED)		9.50 / 9.50	9.50 / 9.50
	IEER (DUCTED / NON-DUCTED)		15.50 / 16.00	16.00 / 19.00
	SCHE (DUCTED / NON-DUCTED)		18.00 / 18.00	17.50 / 17.10
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.20	3.20 / 3.20
POWER	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		40.0 + 40.0 + 40.0 A	40.0 + 40.0 + 50.0 A
	MIN. CIRCUIT AMPACITY		33.0 + 33.0 + 33.0 A	33.0 + 33.0 + 37.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		725.8 (3) lbs.	725.8 (2) + 743.2 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		68 dB(A)	68 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.
	GAS PIPE		1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A
	FACTORY CHARGE		72.75 lbs.	72.75 lbs.
COMPRESSOR	TYPE		SSC Scroll (6)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (6)	Propeller (6)
		CFM (MAX.)	10,948 (3)	10,948 (3)
	MOTOR	TYPE	DC	DC
		OUTPUT	620 W X 2 (3)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC



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# DVM S Max Heat® 230V Heat Pump

SPECIFICATIONS - 72,000 | 96,000 | 144,000

MODEL	MODEL NUMBER		AM072KXVTFH/AA	AM096KXVTFH/AA	AM144KXVTFH/AA
	TYPE		LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP
TONS	NOMINAL		6	8	12
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTFH/AA	AM096KXVTFH/AA	AM072KXVTFH/AA
		MODULE 2	-	-	AM072KXVTFH/AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		12	16	25
PERFORMANCE	CAPACITY	COOLING	72,000 Btu/h	96,000 Btu/h	144,000 Btu/h
		HEATING	81,000 Btu/h	108,000 Btu/h	162,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.70 / 14.10	12.20 / 14.40	11.40 / 13.30
	IEER (DUCTED / NON-DUCTED)		25.30 / 32.60	24.70 / 33.00	23.00 / 29.80
COP (47.0°F, DUCTED / NON-DUCTED)		3.64 / 4.35	3.59 / 4.32	3.60 / 3.71	
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		60.0 A	80.0 A	60.0 + 60.0 A
	MIN. CIRCUIT AMPACITY		50.0 A	70.0 A	50.0 + 50.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in. (2)
	WEIGHT		648.2 lbs.	725.8 lbs.	648.2 lbs. (2)
SOUND PRESSURE LEVEL	OUTDOOR		60 dB(A)	61 dB(A)	63 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	1/2 in.
	GAS PIPE		3/4 in.	7/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		18.52 lbs.	18.52 lbs.	37.04 lbs.
COMPRESSOR	TYPE		SSC Scroll (2)	SSC Scroll (2)	SSC Scroll (4)
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (2)	Propeller (4)
		CFM (MAX.)	8,476	9,182	8,476 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2	620 W X 2	620 W X 2 (2)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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# Specifications

## DVM S Max Heat® 230V Heat Pump

SPECIFICATIONS - 168,000 | 192,000 | 216,000

MODEL	MODEL NUMBER		AM168KXVTFH/AA	AM192KXVTFH/AA	AM216KXVTFH/AA
	TYPE		LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP
TONS	NOMINAL		14	16	18
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTFH/AA	AM096KXVTFH/AA	AM072KXVTFH/AA
		MODULE 2	AM096KXVTFH/AA	AM096KXVTFH/AA	AM072KXVTFH/AA
		MODULE 3	-	-	AM072KXVTFH/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		29	33	37
PERFORMANCE	CAPACITY	COOLING	168,000 Btu/h	192,000 Btu/h	216,000 Btu/h
		HEATING	189,000 Btu/h	216,000 Btu/h	243,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.60 / 11.80	11.50 / 13.10	11.30 / 13.30
	IEER (DUCTED / NON-DUCTED)		20.70 / 25.90	22.50 / 29.10	21.40 / 28.30
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.37	3.55 / 3.78	3.55 / 3.81
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		60.0 + 80.0 A	80.0 + 80.0 A	60.0 + 60.0 + 60.0 A
	MIN. CIRCUIT CAPACITY		50.0 + 70.0 A	70.0 + 70.0 A	50.0 + 50.0 + 50.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		648.2 + 725.8 lbs.	725.8 lbs. (2)	648.2 lbs. (3)
SOUND PRESSURE LEVEL	OUTDOOR		64 dB(A)	64 dB(A)	65 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	5/8 in.	5/8 in.
	GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		37.04 lbs.	37.04 lbs.	55.56 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (4)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (4)	Propeller (6)
		CFM (MAX.)	8,476 + 9,182	9,182 (2)	8,476 (3)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (3)
CONDENSER FAN	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# DVM S Max Heat® 230V Heat Pump

SPECIFICATIONS - 240,000 | 264,000 | 288,000

MODEL	MODEL NUMBER		AM240KXVTFH/AA	AM264KXVTFH/AA	AM288KXVTFH/AA
	TYPE		LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP
TONS	NOMINAL		20	22	24
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTFH/AA	AM072KXVTFH/AA	AM096KXVTFH/AA
		MODULE 2	AM072KXVTFH/AA	AM096KXVTFH/AA	AM096KXVTFH/AA
		MODULE 3	AM096KXVTFH/AA	AM096KXVTFH/AA	AM096KXVTFH/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		41	45	49
PERFORMANCE	CAPACITY	COOLING	240,000 Btu/h	264,000 Btu/h	288,000 Btu/h
		HEATING	270,000 Btu/h	297,000 Btu/h	324,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.40 / 13.40	11.30 / 12.80	11.20 / 12.80
	IEER (DUCTED / NON-DUCTED)		21.00 / 28.50	20.40 / 28.30	20.10 / 28.10
	COP (47.0°F, DUCTED / NON-DUCTED)		3.53 / 3.77	3.51 / 3.70	3.50 / 3.70
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		60.0 + 60.0 + 80.0 A	60.0 + 80.0 + 80.0 A	80.0 + 80.0 + 80.0 A
	MIN. CIRCUIT CAPACITY		50.0 + 50.0 + 70.0 A	50.0 + 70.0 + 70.0 A	70.0 + 70.0 + 70.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		648.2 (2) + 725.8 lbs.	648.2 + 725.8 (2) lbs.	725.8 lbs. (3)
SOUND PRESSURE LEVEL	OUTDOOR		65 dB(A)	65 dB(A)	66 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	3/4 in.	3/4 in.
	GAS PIPE		1 1/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		55.56 lbs.	55.56 lbs.	55.56 lbs.
COMPRESSOR	TYPE		SSC Scroll (6)	SSC Scroll (6)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (6)	Propeller (6)	Propeller (6)
		CFM (MAX.)	8,476 (2) + 9,182	8,476 + 9,182 (2)	9,182 (3)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (3)	620 W X 2 (3)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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# Specifications

## DVM S Max Heat® 230V Heat Recovery

SPECIFICATIONS - 72,000 | 96,000 | 144,000

MODEL	MODEL NUMBER		AM072KXVTR/AA	AM096KXVTR/AA	AM144KXVTR/AA
	TYPE		LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY
TONS	NOMINAL		6	8	12
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTR/AA	AM096KXVTR/AA	AM072KXVTR/AA
		MODULE 2	-	-	AM072KXVTR/AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		12	16	25
PERFORMANCE	CAPACITY	COOLING	72,000 Btu/h	96,000 Btu/h	144,000 Btu/h
		HEATING	81,000 Btu/h	108,000 Btu/h	162,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.70 / 14.10	12.20 / 14.40	11.40 / 13.30
	IEER (DUCTED / NON-DUCTED)		25.30 / 32.60	24.70 / 33.00	23.00 / 29.80
	SCHE (DUCTED / NON-DUCTED)		25.80 / 29.50	26.10 / 29.30	25.50 / 27.30
	COP (47.0°F, DUCTED / NON-DUCTED)		3.64 / 4.35	3.59 / 4.32	3.60 / 3.71
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		60.0 A	80.0 A	60.0 + 60.0 A
	MIN. CIRCUIT AMPACITY		50.0 A	70.0 A	50.0 + 50.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in. (2)
	WEIGHT		666.70 lbs.	741.20 lbs.	666.70 lbs. (2)
SOUND PRESSURE LEVEL	OUTDOOR		60 dB(A)	61 dB(A)	63 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	1/2 in.
	GAS PIPE		3/4 in.	7/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		5/8 in.	3/4 in.	7/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		19.20 lbs.	24.30 lbs.	38.40 lbs.
COMPRESSOR	TYPE		SSC Scroll (2)	SSC Scroll (2)	SSC Scroll (4)
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (2)	Propeller (4)
		CFM (MAX.)	8,476	9,182	8,476 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2	620 W X 2	620 W X 2 (2)
MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC		0.31 in. WC	0.31 in. WC



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# DVM S Max Heat® 230V Heat Recovery

SPECIFICATIONS - 168,000 | 192,000 | 216,000

MODEL	MODEL NUMBER		AM168KXVTR/AA	AM192KXVTR/AA	AM216KXVTR/AA
	TYPE		LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY
TONS	NOMINAL		14	16	18
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTR/AA	AM096KXVTR/AA	AM072KXVTR/AA
		MODULE 2	AM096KXVTR/AA	AM096KXVTR/AA	AM072KXVTR/AA
		MODULE 3	-	-	AM072KXVTR/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		29	33	37
PERFORMANCE	CAPACITY	COOLING	168,000 Btu/h	192,000 Btu/h	216,000 Btu/h
		HEATING	189,000 Btu/h	216,000 Btu/h	243,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.60 / 11.80	11.50 / 13.10	11.30 / 13.30
	IEER (DUCTED / NON-DUCTED)		20.70 / 25.90	22.50 / 29.10	21.40 / 28.30
	SCHE (DUCTED / NON-DUCTED)		24.60 / 26.50	23.70 / 25.60	23.70 / 26.10
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.37	3.55 / 3.78	3.55 / 3.81
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		60.0 + 80.0 A	80.0 + 80.0 A	60.0 + 60.0 + 60.0 A
	MIN. CIRCUIT AMPACITY		50.0 + 70.0 A	70.0 + 70.0 A	50.0 + 50.0 + 50.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		666.70 + 741.20 lbs.	741.20 lbs. (2)	666.70 lbs. (3)
SOUND PRESSURE LEVEL	OUTDOOR		64 dB(A)	64 dB(A)	65 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	5/8 in.	5/8 in.
	GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		7/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		43.50 lbs.	48.60 lbs.	57.60 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (4)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (4)	Propeller (6)
		CFM (MAX.)	8,476 + 9,182	9,182 (2)	8,476 (3)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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## Specifications

# DVM S Max Heat® 230V Heat Recovery

SPECIFICATIONS - 240,000 | 264,000 | 288,000

MODEL	MODEL NUMBER		AM240KXVTFR/AA	AM264KXVTFR/AA	AM288KXVTFR/AA
	TYPE		LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY
TONS	NOMINAL		20	22	24
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTFR/AA	AM072KXVTFR/AA	AM096KXVTFR/AA
		MODULE 2	AM072KXVTFR/AA	AM096KXVTFR/AA	AM096KXVTFR/AA
		MODULE 3	AM096KXVTFR/AA	AM096KXVTFR/AA	AM096KXVTFR/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		41	45	49
PERFORMANCE	CAPACITY	COOLING	240,000 Btu/h	264,000 Btu/h	288,000 Btu/h
		HEATING	270,000 Btu/h	297,000 Btu/h	324,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.40 / 13.40	11.30 / 12.80	11.20 / 12.80
	IEER (DUCTED / NON-DUCTED)		21.00 / 28.50	20.40 / 28.30	20.10 / 28.10
	SCHE (DUCTED / NON-DUCTED)		23.20 / 23.20	22.80 / 23.30	21.80 / 23.60
	COP (47°F, DUCTED / NON-DUCTED)		3.53 / 3.77	3.51 / 3.70	3.50 / 3.70
POWER	VOLTAGE	Ø, V, Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		60.0 + 60.0 + 80.0 A	60.0 + 80.0 + 80.0 A	80.0 + 80.0 + 80.0 A
	MIN. CIRCUIT AMPACITY		50.0 + 50.0 + 70.0 A	50.0 + 70.0 + 70.0 A	70.0 + 70.0 + 70.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		666.70 (2) + 741.20 lbs.	666.70 + 741.20 (2) lbs.	741.20 lbs. (3)
SOUND PRESSURE LEVEL	OUTDOOR		65 dB(A)	65 dB(A)	66 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	3/4 in.	3/4 in.
	GAS PIPE		1 1/8 in.	1 3/8 in.	1 3/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		62.70 lbs.	67.80 lbs.	72.90 lbs.
COMPRESSOR	TYPE		SSC Scroll (6)	SSC Scroll (6)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (6)	Propeller (6)	Propeller (6)
		CFM (MAX.)	8,476 (2) + 9,182	8,476 + 9,182 (2)	9,182 (3)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (3)	620 W X 2 (3)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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# DVM S Max Heat® 460V Heat Pump

SPECIFICATIONS - 72,000 | 96,000 | 144,000

MODEL	MODEL NUMBER		AM072KXVTJH/AA	AM096KXVTJH/AA	AM144KXVTJH/AA
	TYPE		LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP
TONS	NOMINAL		6	8	12
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTJH/AA	AM096KXVTJH/AA	AM072KXVTJH/AA
		MODULE 2	-	-	AM072KXVTJH/AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		12	16	25
PERFORMANCE	CAPACITY	COOLING	72,000 Btu/h	96,000 Btu/h	144,000 Btu/h
		HEATING	81,000 Btu/h	108,000 Btu/h	162,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.70 / 14.10	12.20 / 14.40	11.40 / 13.30
	IEER (DUCTED / NON-DUCTED)		25.30 / 32.60	24.70 / 33.00	23.00 / 29.80
COP (47.0°F, DUCTED / NON-DUCTED)		3.64 / 4.35	3.59 / 4.32	3.60 / 3.71	
POWER	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		35.0 A	45.0 A	35.0 + 35.0 A
	MIN. CIRCUIT AMPACITY		28.0 A	38.0 A	28.0 + 28.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in. (2)
	WEIGHT		663.6 lbs.	727.7 lbs.	663.6 lbs. (2)
SOUND PRESSURE LEVEL	OUTDOOR		60 dB(A)	61 dB(A)	63 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	1/2 in.
	GAS PIPE		3/4 in.	7/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		18.52 lbs.	18.52 lbs.	37.04 lbs.
COMPRESSOR	TYPE		SSC Scroll (2)	SSC Scroll (2)	SSC Scroll (4)
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (2)	Propeller (4)
		CFM (MAX.)	8,476	9,182	8,476 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2	620 W X 2	620 W X 2 (2)
MAX. EXTERNAL STATIC PRESSURE			0.31 in. WC	0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# Specifications

## DVM S Max Heat® 460V Heat Pump

SPECIFICATIONS - 168,000 | 192,000 | 216,000

MODEL	MODEL NUMBER		AM168KXVTJH/AA	AM192KXVTJH/AA	AM216KXVTJH/AA
	TYPE		LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP
TONS	NOMINAL		14	16	18
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTJH/AA	AM096KXVTJH/AA	AM072KXVTJH/AA
		MODULE 2	AM096KXVTJH/AA	AM096KXVTJH/AA	AM072KXVTJH/AA
		MODULE 3	-	-	AM072KXVTJH/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		29	33	37
PERFORMANCE	CAPACITY	COOLING	168,000 Btu/h	192,000 Btu/h	216,000 Btu/h
		HEATING	189,000 Btu/h	216,000 Btu/h	243,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.60 / 11.80	11.50 / 13.10	11.30 / 13.30
	IEER (DUCTED / NON-DUCTED)		20.70 / 25.90	22.50 / 29.10	21.40 / 28.30
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.37	3.55 / 3.78	3.55 / 3.81
	VOLTAGE		Ø, V, Hz	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		35.0 + 45.0 A	45.0 + 45.0 A	35.0 + 35.0 + 35.0 A
	MIN. CIRCUIT AMPACITY		28.0 + 38.0 A	38.0 + 38.0 A	28.0 + 28.0 + 28.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		663.6 + 727.7 lbs.	727.7 lbs. (2)	663.6 lbs. (3)
SOUND PRESSURE LEVEL	OUTDOOR		64 dB(A)	64 dB(A)	65 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	5/8 in.	5/8 in.
	GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		37.04 lbs.	37.04 lbs.	55.56 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (4)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (4)	Propeller (6)
		CFM (MAX.)	8,476 + 9,182	9,182 (2)	8,476 (3)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (3)
MAX. EXTERNAL STATIC PRESSURE			0.31 in. WC	0.31 in. WC	0.31 in. WC



Product registration required.  
Conditions apply.



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# DVM S Max Heat® 460V Heat Pump

SPECIFICATIONS - 240,000 | 264,000 | 288,000

MODEL	MODEL NUMBER		AM240KXVTJH/AA	AM264KXVTJH/AA	AM288KXVTJH/AA
	TYPE		LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP	LOW AMBIENT HEATING, HEAT PUMP
TONS	NOMINAL		20	22	24
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTJH/AA	AM072KXVTJH/AA	AM096KXVTJH/AA
		MODULE 2	AM072KXVTJH/AA	AM096KXVTJH/AA	AM096KXVTJH/AA
		MODULE 3	AM096KXVTJH/AA	AM096KXVTJH/AA	AM096KXVTJH/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		41	45	49
PERFORMANCE	CAPACITY	COOLING	240,000 Btu/h	264,000 Btu/h	288,000 Btu/h
		HEATING	270,000 Btu/h	297,000 Btu/h	324,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.40 / 13.40	11.30 / 12.80	11.20 / 12.80
	IEER (DUCTED / NON-DUCTED)		21.00 / 28.50	20.40 / 28.30	20.10 / 28.10
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.53 / 3.77	3.51 / 3.70	3.50 / 3.70
	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		35.0 + 35.0 + 45.0 A	35.0 + 45.0 + 45.0 A	45.0 + 45.0 + 45.0 A
	MIN. CIRCUIT CAPACITY		28.0 + 28.0 + 38.0 A	28.0 + 38.0 + 38.0 A	38.0 + 38.0 + 38.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		663.6 (2) + 727.7 lbs.	663.6 + 727.7 (2) lbs.	727.7 lbs. (3)
SOUND PRESSURE LEVEL	OUTDOOR		65 dB(A)	65 dB(A)	66 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH LACH SIDE AND REAR BAFFLES	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	3/4 in.	3/4 in.
	GAS PIPE		1 1/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		55.56 lbs.	55.56 lbs.	55.56 lbs.
COMPRESSOR	TYPE		SSC Scroll (6)	SSC Scroll (6)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (6)	Propeller (6)	Propeller (6)
		CFM (MAX.)	8,476 (2) + 9,182	8,476 + 9,182 (2)	9,182 (3)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (3)	620 W X 2 (3)	620 W X 2 (3)
CONDENSER FAN	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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# Specifications

## DVM S Max Heat® 460V Heat Recovery

SPECIFICATIONS - 72,000 | 96,000 | 144,000

MODEL	MODEL NUMBER		AM072KXVTJR/AA	AM096KXVTJR/AA	AM144KXVTJR/AA
	TYPE		LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY
TONS	NOMINAL		6	8	12
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTJR/AA	AM096KXVTJR/AA	AM072KXVTJR/AA
		MODULE 2	-	-	AM072KXVTJR/AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		12	16	25
PERFORMANCE	CAPACITY	COOLING	72,000 Btu/h	96,000 Btu/h	144,000 Btu/h
		HEATING	81,000 Btu/h	108,000 Btu/h	162,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.70 / 14.10	12.20 / 14.40	11.40 / 13.30
	IEER (DUCTED / NON-DUCTED)		25.30 / 32.60	24.70 / 33.00	23.00 / 29.80
	SCHE (DUCTED / NON-DUCTED)		25.80 / 29.50	26.10 / 29.30	25.50 / 27.30
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.64 / 4.35	3.59 / 4.32	3.60 / 3.71
	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		35.0 A	45.0 A	35.0 + 35.0 A
	MIN. CIRCUIT AMPACITY		28.0 A	38.0 A	28.0 + 28.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in.	51 X 66 3/4 X 30 1/8 in. (2)
	WEIGHT		683.40 lbs.	743.20 lbs.	683.40 lbs. (2)
SOUND PRESSURE LEVEL	OUTDOOR		60 dB(A)	61 dB(A)	63 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	1/2 in.
	GAS PIPE		3/4 in.	7/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		5/8 in.	3/4 in.	7/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		19.20 lbs.	24.30 lbs.	38.40 lbs.
COMPRESSOR	TYPE		SSC Scroll (2)	SSC Scroll (2)	SSC Scroll (4)
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (2)	Propeller (4)
		CFM (MAX.)	8,476	9,182	8,476 (2)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2	620 W X 2	620 W X 2 (2)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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# DVM S Max Heat® 460V Heat Recovery

SPECIFICATIONS - 168,000 | 192,000 | 216,000

MODEL	MODEL NUMBER		AM168KXVTJR/AA	AM192KXVTJR/AA	AM216KXVTJR/AA
	TYPE		LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY
TONS	NOMINAL		14	16	18
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTJR/AA	AM096KXVTJR/AA	AM072KXVTJR/AA
		MODULE 2	AM096KXVTJR/AA	AM096KXVTJR/AA	AM072KXVTJR/AA
		MODULE 3	-	-	AM072KXVTJR/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		29	33	37
PERFORMANCE	CAPACITY	COOLING	168,000 Btu/h	192,000 Btu/h	216,000 Btu/h
		HEATING	189,000 Btu/h	216,000 Btu/h	243,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.60 / 11.80	11.50 / 13.10	11.30 / 13.30
	IEER (DUCTED / NON-DUCTED)		20.70 / 25.90	22.50 / 29.10	21.40 / 28.30
	SCHE (DUCTED / NON-DUCTED)		24.60 / 26.50	23.70 / 25.60	23.70 / 26.10
	COP (47.0°F, DUCTED / NON-DUCTED)		3.20 / 3.37	3.55 / 3.78	3.55 / 3.81
POWER	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		35.0 + 45.0 A	45.0 + 45.0 A	35.0 + 35.0 + 35.0 A
	MIN. CIRCUIT AMPACITY		28.0 + 38.0 A	38.0 + 38.0 A	28.0 + 28.0 + 28.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (2)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		683.40 + 743.20 lbs.	743.20 lbs. (2)	683.40 lbs. (3)
SOUND PRESSURE LEVEL	OUTDOOR		64 dB(A)	64 dB(A)	65 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	5/8 in.	5/8 in.
	GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		7/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
MAX. LENGTH (ODU - IDU)		656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		43.50 lbs.	48.60 lbs.	57.60 lbs.
COMPRESSOR	TYPE		SSC Scroll (4)	SSC Scroll (4)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (4)	Propeller (4)	Propeller (6)
		CFM (MAX.)	8,476 + 9,182	9,182 (2)	8,476 (3)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (2)	620 W X 2 (2)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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# Specifications

## DVM S Max Heat® 460V Heat Recovery

SPECIFICATIONS - 240,000 | 264,000 | 288,000

MODEL	MODEL NUMBER		AM240KXVTJR/AA	AM264KXVTJR/AA	AM288KXVTJR/AA
	TYPE		LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY	LOW AMBIENT HEATING, HEAT RECOVERY
TONS	NOMINAL		20	22	24
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072KXVTJR/AA	AM072KXVTJR/AA	AM096KXVTJR/AA
		MODULE 2	AM072KXVTJR/AA	AM096KXVTJR/AA	AM096KXVTJR/AA
		MODULE 3	AM096KXVTJR/AA	AM096KXVTJR/AA	AM096KXVTJR/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		41	45	49
PERFORMANCE	CAPACITY	COOLING	240,000 Btu/h	264,000 Btu/h	288,000 Btu/h
		HEATING	270,000 Btu/h	297,000 Btu/h	324,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.40 / 13.40	11.30 / 12.80	11.20 / 12.80
	IEER (DUCTED / NON-DUCTED)		21.00 / 28.50	20.40 / 28.30	20.10 / 28.10
	SCHE (DUCTED / NON-DUCTED)		23.20 / 23.20	22.80 / 23.30	21.80 / 23.60
POWER	COP (47.0°F, DUCTED / NON-DUCTED)		3.53 / 3.77	3.51 / 3.70	3.50 / 3.70
	VOLTAGE	Ø, V, Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		35.0 + 35.0 + 45.0 A	35.0 + 45.0 + 45.0 A	45.0 + 45.0 + 45.0 A
DIMENSIONS	MIN. CIRCUIT AMPACITY		28.0 + 28.0 + 38.0 A	28.0 + 35.0 + 35.0 A	38.0 + 38.0 + 38.0 A
DIMENSIONS	W X H X D		51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)	51 X 66 3/4 X 30 1/8 in. (3)
	WEIGHT		683.40 (2) + 743.20 lbs.	683.40 + 743.20 (2) lbs.	743.20 lbs. (3)
SOUND PRESSURE LEVEL	OUTDOOR		65 dB(A)	65 dB(A)	66 dB(A)
OPERATING TEMPERATURE	COOLING	STANDARD	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C	23.0 - 120.0°F -5.0 - 48.9°C
		WITH MODIFIED PIPE DESIGN	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C	5.0 - 120.0°F -15.0 - 48.9°C
		WITH LACH AND SIDE BAFFLES (LACH KIT)	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C	-13.0 - 120.0°F -25.0 - 48.9°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	3/4 in.	3/4 in.
	GAS PIPE		1 1/8 in.	1 3/8 in.	1 3/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	361 ft.	361 ft.	361 ft.
		MAX. LENGTH (ODU - IDU)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)	656 ft. (722 ft. equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		62.70 lbs.	67.80 lbs.	72.90 lbs.
COMPRESSOR	TYPE		SSC Scroll (6)	SSC Scroll (6)	SSC Scroll (6)
CONDENSER FAN	FAN	TYPE	Propeller (6)	Propeller (6)	Propeller (6)
		CFM (MAX.)	8,476 (2) + 9,182	8,476 + 9,182 (2)	9,182 (3)
	MOTOR	TYPE	DC	DC	DC
		OUTPUT	620 W X 2 (3)	620 W X 2 (3)	620 W X 2 (3)
	MAX. EXTERNAL STATIC PRESSURE		0.31 in. WC	0.31 in. WC	0.31 in. WC



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Conditions apply.



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# DVM S Eco Heat Pump

SPECIFICATIONS - 38,000 | 48,000 | 53,000

MODEL	MODEL NUMBER		AM036FXMDCH/AA	AM048FXMDCH/AA	AM053FXMDCH/AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		3	4	4.5
MAX. INDOOR UNIT CONNECTION	QUANTITY		6	8	9
PERFORMANCE	CAPACITY	COOLING	38,000 Btu/h	48,000 Btu/h	53,000 Btu/h
		HEATING	42,000 Btu/h	54,000 Btu/h	61,000 Btu/h
	SEER (DUCTED / NON-DUCTED)		16.00 / 14.80	16.00 / 15.80	15.50 / 18.50
	EER (DUCTED / NON-DUCTED)		11.20 / 11.20	10.20 / 10.20	9.45 / 10.30
	HSPF (DUCTED / NON-DUCTED)		8.60 / 8.80	9.40 / 8.70	8.60 / 8.80
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	MAX. BREAKER		40.0 A	50.0 A	50.0 A
	MIN. CIRCUIT AMPACITY		23.0 A	29.0 A	34.0 A
DIMENSIONS	W X H X D		37 X 47 5/8 X 13 in.	37 X 47 5/8 X 13 in.	37 X 47 5/8 X 13 in.
	WEIGHT		220.5 lbs.	220.5 lbs.	227.1 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		50 dB(A) / 52 dB(A)	51 dB(A) / 53 dB(A)	53 dB(A) / 55 dB(A)
OPERATING TEMPERATURE	COOLING		(0.0*) 23.0 - 118.0°F (-17.8*) -5.0 - 47.8°C	(0.0*) 23.0 - 118.0°F (-17.8*) -5.0 - 47.8°C	(0.0*) 23.0 - 118.0°F (-17.8*) -5.0 - 47.8°C
	HEATING		-4.0 - 75.0°F -20.0 - 23.9°C	-4.0 - 75.0°F -20.0 - 23.9°C	-4.0 - 75.0°F -20.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	3/8 in.
	GAS PIPE		5/8 in.	5/8 in.	3/4 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	492 ft.	492 ft.	492 ft.
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		7.1 lbs.	7.1 lbs.	7.3 lbs.
COMPRESSOR	TYPE		Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (2)	Propeller (2)
		CFM (MAX.)	3,885	3,885	3,885
	MOTOR	TYPE	BLDC	BLDC	BLDC
		OUTPUT	125 W X 2	125 W X 2	125 W X 2



Product registration required.  
Conditions apply.



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## DVM S Eco Heat Pump

### SPECIFICATIONS - 60,000

MODEL	MODEL NUMBER		AM060MXMDCH/AA
	TYPE		HEAT PUMP
TONS	NOMINAL		5
MAX. INDOOR UNIT CONNECTION	QUANTITY		10
PERFORMANCE	CAPACITY	COOLING	60,000 Btu/h
		HEATING	66,000 Btu/h
	SEER (DUCTED / NON-DUCTED)		17.10 / 20.60
	EER (DUCTED / NON-DUCTED)		10.90 / 11.20
	HSPF (DUCTED / NON-DUCTED)		10.90 / 11.50
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60
	MAX. BREAKER		50.0 A
	MIN. CIRCUIT AMPACITY		32.0 A
DIMENSIONS	W X H X D		37 X 55 29/32 X 13 in.
	WEIGHT		275.6 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		58 dB(A) / 60 dB(A)
OPERATING TEMPERATURE	COOLING		(0.0*) 23.0 - 118.0°F (-17.8*) -5.0 - 47.8°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.
	GAS PIPE		3/4 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	164 ft.
		MAX. LENGTH (ODU - IDU)	492 ft.
REFRIGERANT	TYPE		R410A
	FACTORY CHARGE		8.2 lbs.
COMPRESSOR	TYPE		Flash Injected Inverter Scroll
CONDENSER FAN	FAN	TYPE	Propeller (2)
		CFM (MAX.)	4,767
	MOTOR	TYPE	BLDC
		OUTPUT	139 W X 2



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# DVM S Eco Heat Recovery

SPECIFICATIONS - 38,000 | 48,000 | 53,000

MODEL	MODEL NUMBER		AM036NXMDCR/AA	AM048NXMDCR/AA	AM053NXMDCR/AA
	TYPE		HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
TONS	NOMINAL		3	4	4.5
MAX. INDOOR UNIT CONNECTION	QUANTITY		8	9	10
PERFORMANCE	CAPACITY	COOLING	38,000 Btu/h	48,000 Btu/h	53,000 Btu/h
		HEATING	42,000 Btu/h	54,000 Btu/h	61,000 Btu/h
	SEER (DUCTED / NON-DUCTED)		17.20 / 22.00	17.20 / 21.00	17.50 / 20.00
	EER (DUCTED / NON-DUCTED)		11.20 / 12.50	10.20 / 11.50	9.45 / 11.50
POWER	HSPF (DUCTED / NON-DUCTED)		9.50 / 10.00	10.40 / 10.70	10.00 / 11.00
	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	MAX. BREAKER		40.0 A	50.0 A	50.0 A
	MIN. CIRCUIT AMPACITY		23.0 A	29.0 A	34.0 A
DIMENSIONS	W X H X D		37 X 47 5/8 X 13 in.	37 X 47 5/8 X 13 in.	37 X 47 5/8 X 13 in.
	WEIGHT		213.8 lbs.	213.8 lbs.	220.5 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		50 dB(A) / 52 dB(A)	51 dB(A) / 53 dB(A)	53 dB(A) / 55 dB(A)
OPERATING TEMPERATURE	COOLING		(0.0*) 23.0 - 118.0°F (-17.8*) -5.0 - 47.8°C	(0.0*) 23.0 - 118.0°F (-17.8*) -5.0 - 47.8°C	(0.0*) 23.0 - 118.0°F (-17.8*) -5.0 - 47.8°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C	-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	3/8 in.
	GAS PIPE		3/4 in.	3/4 in.	3/4 in.
	HIGH PRESSURE GAS PIPE		5/8 in.	5/8 in.	5/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION MAX. LENGTH (ODU - IDU)	164 ft. 492 ft.	164 ft. 492 ft.	164 ft. 492 ft.
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		71 lbs.	71 lbs.	7.3 lbs.
COMPRESSOR	TYPE		Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
CONDENSER FAN	FAN	TYPE	Propeller (2)	Propeller (2)	Propeller (2)
		CFM (MAX.)	3,885	3,885	3,885
	MOTOR	TYPE	BLDC	BLDC	BLDC
		OUTPUT	125 W X 2	125 W X 2	125 W X 2



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Conditions apply.



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## DVM S Eco Heat Recovery

SPECIFICATIONS - 60,000

MODEL	MODEL NUMBER		AM060NXMDCR/AA
	TYPE		HEAT RECOVERY
TONS	NOMINAL		5
MAX. INDOOR UNIT CONNECTION	QUANTITY		10
PERFORMANCE	CAPACITY	COOLING	60,000 Btu/h
		HEATING	66,000 Btu/h
	SEER (DUCTED / NON-DUCTED)		17.10 / 20.60
	EER (DUCTED / NON-DUCTED)		10.90 / 11.20
	HSPF (DUCTED / NON-DUCTED)		10.90 / 11.50
POWER	VOLTAGE	Ø, V, Hz	1 / 208-230 / 60
	MAX. BREAKER		50.0 A
	MIN. CIRCUIT AMPACITY		32.0 A
DIMENSIONS	W X H X D		37 X 55 29/32 X 13 in.
	WEIGHT		275.6 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		58 dB(A) / 59 dB(A)
OPERATING TEMPERATURE	COOLING		(0.0*) 23.0 - 118.0°F (-17.8*) -5.0 - 47.8°C
	HEATING		-13.0 - 75.0°F -25.0 - 23.9°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.
	GAS PIPE		3/4 in.
	HIGH PRESSURE GAS PIPE		5/8 in.
	INSTALLATION LIMITATIONS	MAX. VERTICAL SEPARATION	164 ft.
		MAX. LENGTH (ODU - IDU)	492 ft.
REFRIGERANT	TYPE		R410A
	FACTORY CHARGE		8.2 lbs.
COMPRESSOR	TYPE		Flash Injected Inverter Scroll
CONDENSER FAN	FAN	TYPE	Propeller (2)
		CFM (MAX.)	4,767
	MOTOR	TYPE	BLDC
		OUTPUT	139 W X 2



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# DVM S Water 230V (1-Phase)

SPECIFICATIONS - 38,200 | 47,800 | 54,600

MODEL	MODEL NUMBER		AM038KXWDCH/AA	AM048KXWDCH/AA	AM055KXWDCH/AA
	TYPE		HEAT PUMP	HEAT PUMP	HEAT PUMP
TONS	NOMINAL		3.18	3.98	4.55
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM038KXWDCH/AA	AM048KXWDCH/AA	AM055KXWDCH/AA
		MODULE 2	-	-	-
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		6	8	9
PERFORMANCE	CAPACITY	COOLING	38,200 Btu/h	47,800 Btu/h	54,600 Btu/h
		HEATING	42,600 Btu/h	54,600 Btu/h	61,400 Btu/h
	EER (DUCTED / NON-DUCTED)		14.50 / 15.00	15.50 / 16.20	14.50 / 14.70
	IEER (DUCTED / NON-DUCTED)		24.00 / 28.00	26.00 / 28.00	24.00 / 26.00
	SCHE (DUCTED / NON-DUCTED)		N/A	N/A	N/A
	COP (68.0°F, DUCTED / NON-DUCTED)		5.10 / 5.70	5.10 / 5.60	5.00 / 5.40
POWER	VOLTAGE	ø / V / Hz	1 / 208-230 / 60	1 / 208-230 / 60	1 / 208-230 / 60
	MAX. BREAKER		35.0 A	40.0 A	45.0 A
	MIN. CIRCUIT AMPACITY		20.0 A	24.0 A	26.0 A
DIMENSIONS	W X H X D		29 1/2 X 31 1/2 X 13 in.	29 1/2 X 31 1/2 X 13 in.	29 1/2 X 31 1/2 X 13 in.
	WEIGHT		161.00 lbs.	191.00 lbs.	191.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		47 / 49 dB(A)	48 / 50 dB(A)	49 / 51 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	3/8 in.
	SUCTION PIPE		5/8 in.	3/4 in.	3/4 in.
	HIGH PRESSURE GAS PIPE		-	-	-
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	98 ft.	98 ft.	98 ft.
MAX. LENGTH (ODU - IDU)		426 (295 equivalent)	426 (295 equivalent)	426 (295 equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		2.40 lbs.	3.50 lbs.	3.50 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT	1 1/4 in. NPT	1 1/4 in. NPT
	PRESSURE DROP	ftAq	8.40	6.70	9.40
	WATER FLOW RATE		10.5 GPM	13.2 GPM	15.8 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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# Specifications

## DVM S Water 230V

SPECIFICATIONS - 72,000 | 96,000 | 120,000

MODEL	MODEL NUMBER		AM072HXWAFR/AA	AM096HXWAFR/AA	AM120HXWAFR/AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		6	8	10
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072HXWAFR/AA	AM096HXWAFR/AA	AM120HXWAFR/AA
		MODULE 2	-	-	-
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		12	16	20
PERFORMANCE	CAPACITY	COOLING	72,000 Btu/h	96,000 Btu/h	120,000 Btu/h
		HEATING	81,000 Btu/h	108,000 Btu/h	135,000 Btu/h
	EER (DUCTED / NON-DUCTED)		17.60 / 20.00	16.00 / 19.90	12.50 / 13.70
	IEER (DUCTED / NON-DUCTED)		25.20 / 30.10	23.00 / 28.60	20.10 / 22.20
	SCHE (DUCTED / NON-DUCTED)		23.70 / 26.50	23.60 / 27.40	19.90 / 18.50
	COP (68.0°F, DUCTED / NON-DUCTED)		5.90 / 6.00	5.40 / 5.90	4.40 / 4.40
POWER	VOLTAGE	ø / V / Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		25.0 A	40.0 A	50.0 A
	MIN. CIRCUIT AMPACITY		16.0 A	23.0 A	30.0 A
DIMENSIONS	W X H X D		30 5/16 X 39 13/32 X 21 1/2 in.	30 5/16 X 39 13/32 X 21 1/2 in.	30 5/16 X 39 13/32 X 21 1/2 in.
	WEIGHT		353.00 lbs.	353.00 lbs.	353.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		48 / 51 dB(A)	48 / 51 dB(A)	50 / 52 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	1/2 in.
	SUCTION PIPE		3/4 in.	7/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		5/8 in.	3/4 in.	7/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
MAX. LENGTH (ODU - IDU)		558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.10 lbs.	12.80 lbs.	13.20 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT	1 1/4 in. NPT	1 1/4 in. NPT
	PRESSURE DROP	ftAq	7.30	10.00	14.40
	WATER FLOW RATE		21.1 GPM	25.4 GPM	30.1 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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# DVM S Water 230V

SPECIFICATIONS - 144,000 | 168,000 | 192,000

MODEL	MODEL NUMBER		AM144HXWAFR2AA	AM168HXWAFR2AA	AM192HXWAFR/AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		12	14	16
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072HXWAFR/AA	AM072HXWAFR/AA	AM192HXWAFR/AA
		MODULE 2	AM072HXWAFR/AA	AM096HXWAFR/AA	-
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		25	29	33
PERFORMANCE	CAPACITY	COOLING	144,000 Btu/h	168,000 Btu/h	192,000 Btu/h
		HEATING	162,000 Btu/h	189,000 Btu/h	216,000 Btu/h
	EER (DUCTED / NON-DUCTED)		17.40 / 19.10	16.50 / 18.10	12.60 / 12.30
	IEER (DUCTED / NON-DUCTED)		25.20 / 28.10	23.80 / 26.70	20.90 / 19.30
	SCHE (DUCTED / NON-DUCTED)		21.30 / 24.20	21.30 / 24.20	19.70 / 20.20
	COP (68.0°F, DUCTED / NON-DUCTED)		5.80 / 5.70	5.50 / 5.60	4.70 / 4.50
POWER	VOLTAGE	ø / V / Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		25.0 + 25.0 A	25.0 + 40.0 A	50.0 A
	MIN. CIRCUIT AMPACITY		16.0 + 16.0 A	16.0 + 23.0 A	39.6 A
DIMENSIONS	W X H X D		30 5/16 X 39 13/32 X 21 1/2 in. (2)	30 5/16 X 39 13/32 X 21 1/2 in. (2)	43 5/16 X 39 13/32 X 21 1/2 in.
	WEIGHT		353.00 lbs. (2)	353.00 lbs. (2)	529.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		51 / 54 dB(A)	51 / 54 dB(A)	51 / 52 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		1/2 in.	5/8 in.	5/8 in.
	SUCTION PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		7/8 in.	7/8 in.	1 1/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
MAX. LENGTH (ODU - IDU)		558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.10 lbs. (2)	12.10 + 12.80 lbs.	21.60 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (2)	1 1/4 in. NPT (2)	1 1/4 in. NPT
	PRESSURE DROP	ftAq	7.30 + 7.30	7.30 +10.00	18.10
	WATER FLOW RATE		42.2 GPM	46.5 GPM	50.2 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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# Specifications

## DVM S Water 230V

SPECIFICATIONS - 216,000 | 240,000 | 264,000

MODEL	MODEL NUMBER		AM216HXWAFR2AA	AM240HXWAFR2AA	AM264HXWAFR2AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		18	20	22
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM096HXWAFR/AA	AM120HXWAFR/AA	AM072HXWAFR/AA
		MODULE 2	AM120HXWAFR/AA	AM120HXWAFR/AA	AM192HXWAFR/AA
		MODULE 3	-	-	-
MAX. INDOOR UNIT CONNECTION	QUANTITY		37	41	45
PERFORMANCE	CAPACITY	COOLING	216,000 Btu/h	240,000 Btu/h	264,000 Btu/h
		HEATING	243,000 Btu/h	270,000 Btu/h	297,000 Btu/h
	EER (DUCTED / NON-DUCTED)		14.50 / 15.30	11.90 / 12.50	13.90 / 13.60
	IEER (DUCTED / NON-DUCTED)		22.40 / 23.10	19.30 / 21.10	21.90 / 23.00
	SCHE (DUCTED / NON-DUCTED)		18.60 / 20.30	16.00 / 16.00	19.50 / 21.00
	COP (68.0°F, DUCTED / NON-DUCTED)		4.70 / 4.90	4.20 / 4.10	4.90 / 4.60
POWER	VOLTAGE	ø / V / Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		40.0 + 50.0 A	50.0 + 50.0 A	25.0 + 50.0 A
	MIN. CIRCUIT AMPACITY		23.0 + 30.0 A	30.0 + 30.0 A	16.0 + 16.0 + 39.6 A
DIMENSIONS	W X H X D		30 5/16 X 39 13/32 X 21 1/2 in. (2)	30 5/16 X 39 13/32 X 21 1/2 in. (2)	30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in.
	WEIGHT		353.00 lbs. (2)	353.00 lbs. (2)	353.00 + 529.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		52 / 55 dB(A)	53 / 55 dB(A)	53 / 56 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	5/8 in.	3/4 in.
	SUCTION PIPE		1 1/8 in.	1 1/8 in.	1 3/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
MAX. LENGTH (ODU - IDU)		558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.80 + 13.20 lbs.	13.20 lbs. (2)	12.10 + 21.60 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (2)	1 1/4 in. NPT (2)	1 1/4 in. NPT (3)
	PRESSURE DROP	ftAq	10.0 +14.40	14.40 + 14.40	7.30 + 18.10
	WATER FLOW RATE		55.5 GPM	60.2 GPM	71.3 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



Product registration required.  
Conditions apply.



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# DVM S Water 230V

SPECIFICATIONS - 288,000 | 312,000 | 336,000

MODEL	MODEL NUMBER		AM288HXWAFR2AA	AM312HXWAFR2AA	AM336HXWAFR2AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		24	26	28
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM096HXWAFR/AA	AM120HXWAFR/AA	AM072HXWAFR/AA
		MODULE 2	AM192HXWAFR/AA	AM192HXWAFR/AA	AM072HXWAFR/AA
		MODULE 3	-	-	AM192HXWAFR/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		49	54	58
PERFORMANCE	CAPACITY	COOLING	288,000 Btu/h	312,000 Btu/h	336,000 Btu/h
		HEATING	324,000 Btu/h	351,000 Btu/h	378,000 Btu/h
	EER (DUCTED / NON-DUCTED)		13.20 / 13.90	11.50 / 10.20	14.70 / 15.30
	IEER (DUCTED / NON-DUCTED)		20.70 / 20.20	19.10 / 18.90	17.70 / 19.40
	SCHE (DUCTED / NON-DUCTED)		19.70 / 21.40	16.90 / 17.80	18.60 / 19.60
	COP (68.0°F, DUCTED / NON-DUCTED)		4.60 / 4.60	4.10 / 3.90	5.10 / 4.70
POWER	VOLTAGE	ø / V / Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		40.0 + 50.0 A	50.0 + 50.0 A	25.0 + 25.0 + 50.0 A
	MIN. CIRCUIT AMPACITY		23.0 + 39.6 A	30.0 + 39.6 A	16.0 + 16.0 + 39.6 A
DIMENSIONS	W X H X D		30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in.	30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in.	30 5/16 X 39 13/32 X 21 1/2 in. (2) + 43 5/16 X 39 13/32 X 21 1/2 in.
	WEIGHT		353.00 + 529.00 lbs.	353.00 + 529.00 lbs.	353.00 (2) + 529.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		53 / 55 dB(A)	53 / 55 dB(A)	54 / 56 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
MAX. LENGTH (ODU - IDU)		558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.80 + 21.60 lbs.	13.20 + 21.60 lbs.	12.10 (2) + 21.60 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (2)	1 1/4 in. NPT (2)	1 1/4 in. NPT (3)
	PRESSURE DROP	ftAq	10.00 + 18.10	14.40 + 18.10	7.30 + 7.30 + 18.10
	WATER FLOW RATE		75.6 GPM	80.3 GPM	92.4 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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# Specifications

## DVM S Water 230V

SPECIFICATIONS - 360,000 | 384,000 | 408,000

MODEL	MODEL NUMBER		AM360HXWAFR2AA	AM384HXWAFR2AA	AM408HXWAFR2AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		30	32	34
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072HXWAFR/AA	AM192HXWAFR/AA	AM096HXWAFR/AA
		MODULE 2	AM096HXWAFR/AA	AM192HXWAFR/AA	AM120HXWAFR/AA
		MODULE 3	AM192HXWAFR/AA	-	AM192HXWAFR/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		62	64	64
PERFORMANCE	CAPACITY	COOLING	360,000 Btu/h	384,000 Btu/h	408,000 Btu/h
		HEATING	405,000 Btu/h	432,000 Btu/h	459,000 Btu/h
	EER (DUCTED / NON-DUCTED)		14.20 / 15.10	13.10 / 12.90	12.60 / 12.70
	IEER (DUCTED / NON-DUCTED)		16.70 / 18.60	15.60 / 16.60	14.70 / 15.80
	SCHE (DUCTED / NON-DUCTED)		18.60 / 21.10	19.40 / 18.40	19.00 / 19.00
	COP (68.0°F, DUCTED / NON-DUCTED)		4.90 / 4.60	4.70 / 4.10	4.40 / 4.20
POWER	VOLTAGE	ø / V / Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		25.0 + 40.0 + 50.0 A	50.0 + 50.0 A	40.0 + 50.0 + 50.0 A
	MIN. CIRCUIT AMPACITY		16.0 + 23.0 + 39.6 A	39.6 + 39.6 A	23.0 + 30.0 + 39.6 A
DIMENSIONS	W X H X D		30 5/16 X 39 13/32 X 21 1/2 in. (2) + 43 5/16 X 39 13/32 X 21 1/2 in.	43 5/16 X 39 13/32 X 21 1/2 in. (2)	30 5/16 X 39 13/32 X 21 1/2 in. (2) + 43 5/16 X 39 13/32 X 21 1/2 in.
	WEIGHT		353.00 (2) + 529.00 lbs.	529.00 lbs. (2)	353.00 (2) + 529.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		54 / 56 dB(A)	54 / 55 dB(A)	55 / 56 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION MAX. LENGTH (ODU - IDU)	164 ft. 558 (623 equivalent)	164 ft. 558 (623 equivalent)	164 ft. 558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.10 +12.80 + 21.60 lbs.	21.60 lbs. (2)	12.80 + 13.20 + 21.60 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (3)	1 1/4 in. NPT (2)	1 1/4 in. NPT (3)
	PRESSURE DROP	ftAq	7.30 + 10.00 + 18.10	18.10 + 18.10	10.00 + 14.40 + 18.10
	WATER FLOW RATE		96.7 GPM	100.4 GPM	105.7 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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Conditions apply.



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# DVM S Water 230V

SPECIFICATIONS - 432,000 | 456,000 | 480,000

MODEL	MODEL NUMBER		AM432HXWAFR2AA	AM456HXWAFR2AA	AM480HXWAFR2AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		36	38	40
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM120HXWAFR/AA	AM072HXWAFR/AA	AM096HXWAFR/AA
		MODULE 2	AM120HXWAFR/AA	AM192HXWAFR/AA	AM192HXWAFR/AA
		MODULE 3	AM192HXWAFR/AA	AM192HXWAFR/AA	AM192HXWAFR/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	432,000 Btu/h	456,000 Btu/h	480,000 Btu/h
		HEATING	486,000 Btu/h	513,000 Btu/h	540,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.50 / 12.40	13.10 / 12.40	12.60 / 12.20
	IEER (DUCTED / NON-DUCTED)		13.60 / 14.00	14.60 / 14.50	13.70 / 13.80
	SCHE (DUCTED / NON-DUCTED)		20.50 / 20.70	17.20 / 17.80	17.20 / 18.10
	COP (68.0°F, DUCTED / NON-DUCTED)		4.10 / 4.20	4.60 / 4.20	4.40 / 4.10
POWER	VOLTAGE	ø / V / Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		50.0 + 50.0 + 50.0 A	25.0 + 50.0 + 50.0 A	40.0 + 50.0 + 50.0 A
	MIN. CIRCUIT AMPACITY		30.0 + 30.0 + 39.6 A	16.0 + 39.6 + 39.6 A	23.0 + 39.6 + 39.6 A
DIMENSIONS	W X H X D		30 5/16 X 39 13/32 X 21 1/2 in. (2) + 43 5/16 X 39 13/32 X 21 1/2 in.	30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in. (2)	30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in. (2)
	WEIGHT		353.00 (2) + 529.00 lbs.	353.00 + 529.00 (2) lbs.	353.00 + 529.00 (2) lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		55 / 57 dB(A)	55 / 56 dB(A)	55 / 56 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
MAX. LENGTH (ODU - IDU)		558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)	
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		13.20 (2) + 21.60 lbs.	12.10 + 21.60 (2) lbs.	12.10 + 21.60 (2) lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (3)	1 1/4 in. NPT (3)	1 1/4 in. NPT (3)
	PRESSURE DROP	ftAq	14.40 + 14.40 + 18.10	7.30 + 18.10 + 18.10	10.00 + 18.10 + 18.10
	WATER FLOW RATE		110.4 GPM	121.5 GPM	125.8 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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# Specifications

## DVM S Water 230V

SPECIFICATIONS - 504,000 | 576,000

MODEL	MODEL NUMBER		AM504HXWAFR2AA	AM576HXWAFR2AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		42	48
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM120HXWAFR/AA	AM192HXWAFR/AA
		MODULE 2	AM192HXWAFR/AA	AM192HXWAFR/AA
		MODULE 3	AM192HXWAFR/AA	AM192HXWAFR/AA
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64
PERFORMANCE	CAPACITY	COOLING	504,000 Btu/h	576,000 Btu/h
		HEATING	567,000 Btu/h	648,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.50 / 10.20	11.50 / 10.00
	IEER (DUCTED / NON-DUCTED)		12.80 / 12.20	12.50 / 12.20
	SCHE (DUCTED / NON-DUCTED)		18.50 / 18.70	17.10 / 17.60
	COP (68.0°F, DUCTED / NON-DUCTED)		4.00 / 3.90	4.00 / 4.00
POWER	VOLTAGE	ø / V / Hz	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		50.0 + 50.0 + 50.0 A	50.0 + 50.0 + 50.0 A
	MIN. CIRCUIT AMPACITY		30.0 + 39.6 + 39.6 A	39.6 + 39.6 + 39.6 A
DIMENSIONS	W X H X D		30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in. (2)	43 5/16 X 39 13/32 X 21 1/2 in. (3)
	WEIGHT		353.00 + 529.00 (2) lbs.	529.00 lbs. (3)
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		55 / 57 dB(A)	56 / 57 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.
MAX. LENGTH (ODU - IDU)		558 (623 equivalent)	558 (623 equivalent)	
REFRIGERANT	TYPE		R410A	R410A
	FACTORY CHARGE		13.20 + 21.60 (2) lbs.	21.60 lbs. (3)
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (3)	1 1/4 in. NPT (3)
	PRESSURE DROP	ftAq	14.40 + 18.10 + 18.10	18.10 + 18.10 + 18.10
	WATER FLOW RATE		130.5 GPM	150.60 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI



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# DVM S Water 230V Compact

SPECIFICATIONS - 240,000 | 312,000 | 336,000

MODEL	MODEL NUMBER		AM240KXWAFR/AA	AM312KXWAFR1AA	AM336KXWAFR1AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		20	26	28
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM240KXWAFR/AA	AM072HXWAFR/AA	AM096HXWAFR/AA
		MODULE 2	-	AM240KXWAFR/AA	AM240KXWAFR/AA
		MODULE 3	-	-	-
	COMBINATION TYPE		Compact (with 20 ton module)	Compact (with 20 ton module)	Compact (with 20 ton module)
MAX. INDOOR UNIT CONNECTION	QUANTITY		41	54	58
PERFORMANCE	CAPACITY	COOLING	240,000 Btu/h	312,000 Btu/h	336,000 Btu/h
		HEATING	270,000 Btu/h	351,000 Btu/h	378,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.90 / 12.40	12.70 / 13.60	12.40 / 13.20
	IEER (DUCTED / NON-DUCTED)		20.00 / 22.50	19.40 / 20.90	17.00 / 19.00
	SCHE (DUCTED / NON-DUCTED)		20.00 / 21.00	19.70 / 21.00	18.20 / 19.90
	COP (68.0°F, DUCTED / NON-DUCTED)		4.80 / 5.30	4.80 / 5.10	4.60 / 4.70
POWER	VOLTAGE	ø / V / Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		90.0 A	25.0 + 90.0 A	40.0 + 90.0 A
	MIN. CIRCUIT AMPACITY		66.0 A	16.0 + 66.0 A	23.0 + 66.0 A
DIMENSIONS	W X H X D		43 5/16 X 39 13/32 X 21 1/2 in.	30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in.	30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in.
	WEIGHT		604.00 lbs.	368.00 + 604.00 lbs.	368.00 + 604.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		55 / 57 dB(A)	56 / 58 dB(A)	56 / 58 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 1/8 in.	1 3/8 in.	1 3/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		24.30 lbs.	12.10 + 24.30 lbs.	12.80 + 24.30 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		2 in. NPT	1 1/4 in. NPT + 2 in. NPT	1 1/4 in. NPT + 2 in. NPT
	PRESSURE DROP	ftAq	11.00	7.30 + 11.00	10.00 + 11.00
	WATER FLOW RATE		60.2 GPM	81.3 GPM	85.6 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



Product registration required.  
Conditions apply.



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# Specifications

## DVM S Water 230V Compact

SPECIFICATIONS - 360,000 | 408,000 | 432,000

MODEL	MODEL NUMBER		AM360KXWAFR1AA	AM408KXWAFR1AA	AM432KXWAFR1AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		30	34	36
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM120HXWAFR/AA	AM072HXWAFR/AA	AM072HXWAFR/AA
		MODULE 2	AM240KXWAFR/AA	AM096HXWAFR/AA	AM120HXWAFR/AA
		MODULE 3	-	AM240KXWAFR/AA	AM240KXWAFR/AA
	COMBINATION TYPE		Compact (with 20 ton module)	Compact (with 20 ton module)	Compact (with 20 ton module)
MAX. INDOOR UNIT CONNECTION	QUANTITY		62	64	64
PERFORMANCE	CAPACITY	COOLING	360,000 Btu/h	408,000 Btu/h	432,000 Btu/h
		HEATING	405,000 Btu/h	459,000 Btu/h	486,000 Btu/h
	EER (DUCTED / NON-DUCTED)		12.10 / 12.70	13.10 / 12.70	12.30 / 12.20
	IEER (DUCTED / NON-DUCTED)		15.00 / 17.40	15.60 / 17.00	14.60 / 15.60
	SCHE (DUCTED / NON-DUCTED)		15.80 / 15.80	18.40 / 19.90	16.80 / 19.00
	COP (68.0°F, DUCTED / NON-DUCTED)		4.40 / 4.20	4.60 / 4.50	4.40 / 4.30
POWER	VOLTAGE	ø / V / Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		50.0 + 90.0 A	25.0 + 40.0 + 90.0 A	25.0 + 50.0 + 90.0 A
	MIN. CIRCUIT AMPACITY		30.0 + 66.0 A	16.0 + 23.0 + 66.0 A	16.0 + 30.0 + 66.0 A
DIMENSIONS	W X H X D		30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in.	30 5/16 X 39 13/32 X 21 1/2 in. (2) + 43 5/16 X 39 13/32 X 21 1/2 in.	30 5/16 X 39 13/32 X 21 1/2 in. (2) + 43 5/16 X 39 13/32 X 21 1/2 in.
	WEIGHT		368.00 + 604.00 lbs.	368.00 (2) + 604.00 lbs.	368.00 (2) + 604.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		57 / 59 dB(A)	57 / 59 dB(A)	57 / 59 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		13.20 + 24.30 lbs.	12.10 + 12.80 + 24.30 lbs.	12.10 + 13.20 + 24.30 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT + 2 in. NPT	1 1/4 in. NPT (2) + 2 in. NPT	1 1/4 in. NPT (2) + 2 in. NPT
	PRESSURE DROP	ftAq	14.40 + 11.00	7.30 + 10.00 + 11.00	7.30 + 14.40 + 11.00
	WATER FLOW RATE		90.3 GPM	106.7 GPM	111.4 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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# DVM S Water 230V Compact

SPECIFICATIONS - 456,000 | 480,000 | 528,000

MODEL	MODEL NUMBER		AM456KXWAFR1AA	AM480KXWAFR1AA	AM528KXWAFR1AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		38	40	44
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM096HXWAFR/AA	AM240KXWAFR/AA	AM096HXWAFR/AA
		MODULE 2	AM120HXWAFR/AA	AM240KXWAFR/AA	AM192HXWAFR/AA
		MODULE 3	AM240KXWAFR/AA	-	AM240KXWAFR/AA
	COMBINATION TYPE		Compact (with 20 ton module)	Compact (with 20 ton module)	Compact (with 20 ton module)
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	456,000 Btu/h	480,000 Btu/h	528,000 Btu/h
		HEATING	513,000 Btu/h	540,000 Btu/h	594,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.50 / 11.70	10.80 / 11.30	10.90 / 11.30
	IEER (DUCTED / NON-DUCTED)		13.70 / 14.40	12.70 / 13.00	12.70 / 13.00
	SCHE (DUCTED / NON-DUCTED)		16.80 / 18.50	16.40 / 17.80	16.50 / 17.90
	COP (68.0°F, DUCTED / NON-DUCTED)		4.20 / 4.20	4.00 / 4.00	4.00 / 4.00
POWER	VOLTAGE	ø / V / Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		40.0 + 50.0 + 90.0 A	90.0 + 90.0 A	40.0 + 50.0 + 90.0 A
	MIN. CIRCUIT AMPACITY		23.0 + 30.0 + 66.0 A	66.0 + 66.0 A	23.0 + 39.6 + 66.0 A
DIMENSIONS	W X H X D		30 5/16 X 39 13/32 X 21 1/2 in. (2) + 43 5/16 X 39 13/32 X 21 1/2 in.	43 5/16 X 39 13/32 X 21 1/2 in. (2)	30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in. (2)
	WEIGHT		368.00 (2) + 604.00 lbs.	604.00 lbs. (2)	368.00 + 545.00 + 604.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		57 / 59 dB(A)	59 / 61 dB(A)	58 / 59 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.80 + 13.20 + 24.30 lbs.	24.30 + 24.30 lbs.	12.80 + 21.60 + 24.30 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (2) + 2 in. NPT	2 in. NPT (2)	1 1/4 in. NPT (2) + 2 in. NPT
	PRESSURE DROP	ftAq	10.00 + 14.40 + 11.00	11.00 + 11.00	10.00 + 18.10 + 11.00
	WATER FLOW RATE		115.7 GPM	120.4 GPM	135.8 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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Conditions apply.



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# Specifications

## DVM S Water 230V Compact

SPECIFICATIONS - 552,000 | 576,000 | 600,000

MODEL	MODEL NUMBER		AM552KXWAFR1AA	AM576KXWAFR1AA	AM600KXWAFR1AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		46	48	50
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072HXWAFR/AA	AM096HXWAFR/AA	AM120HXWAFR/AA
		MODULE 2	AM240KXWAFR/AA	AM240KXWAFR/AA	AM240KXWAFR/AA
		MODULE 3	AM240KXWAFR/AA	AM240KXWAFR/AA	AM240KXWAFR/AA
	COMBINATION TYPE		Compact (with 20 ton module)	Compact (with 20 ton module)	Compact (with 20 ton module)
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	552,000 Btu/h	576,000 Btu/h	600,000 Btu/h
		HEATING	621,000 Btu/h	648,000 Btu/h	675,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.60 / 10.80	10.20 / 10.40	10.00 / 10.00
	IEER (DUCTED / NON-DUCTED)		12.50 / 12.60	12.20 / 12.30	11.60 / 11.70
	SCHE (DUCTED / NON-DUCTED)		16.00 / 17.50	15.50 / 17.20	15.00 / 17.00
	COP (68.0°F, DUCTED / NON-DUCTED)		3.90 / 4.00	3.90 / 3.90	3.90 / 3.90
POWER	VOLTAGE	ø / V / Hz	3 / 208-230 / 60	3 / 208-230 / 60	3 / 208-230 / 60
	MAX. BREAKER		25.0 + 90.0 + 90.0 A	40.0 + 90.0 + 90.0 A	50.0 + 90.0 + 90.0 A
	MIN. CIRCUIT AMPACITY		16.0 + 66.0 + 66.0 A	23.0 + 66.0 + 66.0 A	30.0 + 66.0 + 66.0 A
DIMENSIONS	W X H X D		30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in. (2)	30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in. (2)	30 5/16 X 39 13/32 X 21 1/2 in. + 43 5/16 X 39 13/32 X 21 1/2 in. (2)
	WEIGHT		368.00 + 604.00 (2) lbs.	368.00 + 604.00 (2) lbs.	368.00 + 604.00 (2) lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		59 / 61 dB(A)	59 / 61 dB(A)	59 / 61 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.10 + 24.30 + 24.30 lbs.	12.80 + 24.30 + 24.30 lbs.	13.20 + 24.30 + 24.30 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT + 2 in. NPT (2)	1 1/4 in. NPT + 2 in. NPT (2)	1 1/4 in. NPT + 2 in. NPT (2)
	PRESSURE DROP	ftAq	7.30 + 11.00 + 11.00	10.00 + 11.00 + 11.00	14.40 + 11.00 + 11.00
	WATER FLOW RATE		141.5 GPM	145.8 GPM	150.5 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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# DVM S Water 460V

SPECIFICATIONS - 72,000 | 96,000 | 120,000

MODEL	MODEL NUMBER		AM072HXWAJR/AA	AM096HXWAJR/AA	AM120HXWAJR/AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		6	8	10
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072HXWAJR/AA	AM096HXWAJR/AA	AM120HXWAJR/AA
		MODULE 2	-	-	-
		MODULE 3	-	-	-
	COMBINATION TYPE		Standard	Standard	Standard
MAX. INDOOR UNIT CONNECTION	QUANTITY		12	16	20
PERFORMANCE	CAPACITY	COOLING	72,000 Btu/h	96,000 Btu/h	120,000 Btu/h
		HEATING	81,000 Btu/h	108,000 Btu/h	135,000 Btu/h
	EER (DUCTED / NON-DUCTED)		17.60 / 20.00	16.00 / 19.90	13.50 / 15.40
	IEER (DUCTED / NON-DUCTED)		25.20 / 30.10	23.00 / 28.60	22.50 / 25.30
	SCHE (DUCTED / NON-DUCTED)		23.70 / 26.50	23.60 / 27.40	22.50 / 20.30
	COP (68.0°F, DUCTED / NON-DUCTED)		5.90 / 6.00	5.40 / 5.90	4.90 / 4.80
POWER	VOLTAGE	ø / V / Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		15.0 A	15.0 A	25.0 A
	MIN. CIRCUIT AMPACITY		10.0 A	11.0 A	15.6 A
DIMENSIONS	W X H X D		31 3/32 X 39 13/32 X 21 1/2 in.	31 3/32 X 39 13/32 X 21 1/2 in.	31 3/32 X 39 13/32 X 21 1/2 in.
	WEIGHT		368.00 lbs.	368.00 lbs.	368.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		48 / 51 dB(A)	48 / 51 dB(A)	50 / 52 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/8 in.	3/8 in.	1/2 in.
	SUCTION PIPE		3/4 in.	7/8 in.	1 1/8 in.
	HIGH PRESSURE GAS PIPE		5/8 in.	3/4 in.	7/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.10 lbs.	12.80 lbs.	13.20 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT	1 1/4 in. NPT	1 1/4 in. NPT
	PRESSURE DROP	ftAq	7.30	10.00	14.40
	WATER FLOW RATE		21.1 GPM	25.4 GPM	30.1 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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# Specifications

## DVM S Water 460V

SPECIFICATIONS - 144,000 | 168,000 | 192,000

MODEL	MODEL NUMBER		AM144HXWAJR2AA	AM168HXWAJR2AA	AM192HXWAJR/AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		12	14	16
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072HXWAJR/AA	AM072HXWAJR/AA	AM192HXWAJR/AA
		MODULE 2	AM072HXWAJR/AA	AM096HXWAJR/AA	-
		MODULE 3	-	-	-
	COMBINATION TYPE		Standard	Standard	Standard
MAX. INDOOR UNIT CONNECTION	QUANTITY		25	29	33
PERFORMANCE	CAPACITY	COOLING	144,000 Btu/h	168,000 Btu/h	192,000 Btu/h
		HEATING	162,000 Btu/h	189,000 Btu/h	216,000 Btu/h
	EER (DUCTED / NON-DUCTED)		17.40 / 19.10	16.50 / 18.10	12.60 / 12.30
	IEER (DUCTED / NON-DUCTED)		25.20 / 28.10	23.80 / 26.70	20.90 / 19.30
	SCHE (DUCTED / NON-DUCTED)		21.30 / 24.20	21.30 / 24.20	19.70 / 20.20
	COP (68.0°F, DUCTED / NON-DUCTED)		5.80 / 5.70	5.50 / 5.60	4.70 / 4.50
POWER	VOLTAGE	ø / V / Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		15.0 + 15.0 A	15.0 + 15.0 A	35.0 A
	MIN. CIRCUIT AMPACITY		10.0 + 10.0 A	10.0 + 11.0 A	26.2 A
DIMENSIONS	W X H X D		31 3/32 X 39 13/32 X 21 1/2 in. (2)	31 3/32 X 39 13/32 X 21 1/2 in. (2)	44 3/32 X 39 13/32 X 21 1/2 in.
	WEIGHT		368.00 lbs. (2)	368.00 lbs. (2)	545.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		51 / 54 dB(A)	51 / 54 dB(A)	51 / 52 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		1/2 in.	5/8 in.	5/8 in.
	SUCTION PIPE		11/8 in.	11/8 in.	11/8 in.
	HIGH PRESSURE GAS PIPE		7/8 in.	7/8 in.	11/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		21.10 lbs. (2)	12.10 + 12.80 lbs.	21.60 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		11/4 in. NPT (2)	11/4 in. NPT (2)	11/4 in. NPT
	PRESSURE DROP	ftAq	7.30 + 7.30	7.30 + 10.00	18.10
	WATER FLOW RATE		42.2 GPM	46.5 GPM	50.2 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



Product registration required.  
Conditions apply.



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# DVM S Water 460V

SPECIFICATIONS - 216,000 | 240,000 | 264,000

MODEL	MODEL NUMBER		AM216HXWAJR2AA	AM240HXWAJR2AA	AM264HXWAJR2AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		18	20	22
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM096HXWAJR/AA	AM120HXWAJR/AA	AM072HXWAJR/AA
		MODULE 2	AM120HXWAJR/AA	AM120HXWAJR/AA	AM192HXWAJR/AA
		MODULE 3	-	-	-
	COMBINATION TYPE		Standard	Standard	Standard
MAX. INDOOR UNIT CONNECTION	QUANTITY		37	41	45
PERFORMANCE	CAPACITY	COOLING	216,000 Btu/h	240,000 Btu/h	264,000 Btu/h
		HEATING	243,000 Btu/h	270,000 Btu/h	297,000 Btu/h
	EER (DUCTED / NON-DUCTED)		14.60 / 16.50	12.90 / 15.10	13.90 / 13.60
	IEER (DUCTED / NON-DUCTED)		22.30 / 24.50	21.60 / 23.00	21.90 / 23.00
	SCHE (DUCTED / NON-DUCTED)		20.70 / 21.50	20.20 / 18.30	19.50 / 21.00
	COP (68.0°F, DUCTED / NON-DUCTED)		4.90 / 5.00	4.60 / 4.50	4.90 / 4.60
POWER	VOLTAGE	ø / V / Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		15.0 + 25.0 A	25.0 + 25.0 A	15.0 + 35.0 A
	MIN. CIRCUIT AMPACITY		11.0 + 15.60 A	15.6 + 15.6 A	10.0 + 26.2 A
DIMENSIONS	W X H X D		31 3/32 X 39 13/32 X 21 1/2 in. (2)	31 3/32 X 39 13/32 X 21 1/2 in. (2)	31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in.
	WEIGHT		368.00 lbs. (2)	368.00 lbs. (2)	368.00 + 545.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		52 / 55 dB(A)	53 / 55 dB(A)	53 / 56 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	5/8 in.	3/4 in.
	SUCTION PIPE		1 1/8 in.	1 1/8 in.	1 3/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.80 + 13.20 lbs.	13.20 lbs. (2)	12.10 + 21.60 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (2)	1 1/4 in. NPT (2)	1 1/4 in. NPT (3)
	PRESSURE DROP	ftAq	10.0 +14.40	14.40 +14.40	7.30 +18.10
	WATER FLOW RATE		55.5 GPM	60.2 GPM	71.3 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



Product registration required.  
Conditions apply.



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# Specifications

## DVM S Water 460V

SPECIFICATIONS - 288,000 | 312,000 | 336,000

MODEL	MODEL NUMBER		AM288HXWAJR2AA	AM312HXWAJR2AA	AM336HXWAJR2AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		24	26	28
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM096HXWAJR/AA	AM120HXWAJR/AA	AM072HXWAJR/AA
		MODULE 2	AM192HXWAJR/AA	AM192HXWAJR/AA	AM072HXWAJR/AA
		MODULE 3	-	-	AM192HXWAJR/AA
	COMBINATION TYPE		Standard	Standard	Standard
MAX. INDOOR UNIT CONNECTION	QUANTITY		49	54	58
PERFORMANCE	CAPACITY	COOLING	288,000 Btu/h	312,000 Btu/h	336,000 Btu/h
		HEATING	324,000 Btu/h	351,000 Btu/h	378,000 Btu/h
	EER (DUCTED / NON-DUCTED)		13.20 / 13.90	11.90 / 11.30	14.70 / 15.30
	IEER (DUCTED / NON-DUCTED)		20.70 / 20.20	20.20 / 20.30	17.70 / 19.40
	SCHE (DUCTED / NON-DUCTED)		19.70 / 21.40	19.00 / 18.90	18.60 / 19.60
	COP (68.0°F, DUCTED / NON-DUCTED)		4.60 / 4.60	4.40 / 3.90	5.10 / 4.70
POWER	VOLTAGE	ø / V / Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		15.0 + 35.0 A	25.0 + 35.0 A	15.0 + 15.0 + 35.0 A
	MIN. CIRCUIT AMPACITY		11.0 + 26.2 A	15.6 + 26.2 A	10.0 + 10.0 + 26.2 A
DIMENSIONS	W X H X D		31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in.	31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in.	31 3/32 X 39 13/32 X 21 1/2 in. (2) + 44 3/32 X 39 13/32 X 21 1/2 in.
	WEIGHT		368.00 + 545.00 lbs.	368.00 + 545.00 lbs.	368.00 (2) + 545.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		53 / 55 dB(A)	53 / 55 dB(A)	54 / 56 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
			MAX. LENGTH (ODU - IDU)	558 (623 equivalent)	558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.80 + 21.60 lbs.	13.20 + 21.60 lbs.	12.10 (2) + 21.60 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (2)	1 1/4 in. NPT (2)	1 1/4 in. NPT (3)
	PRESSURE DROP	ftAq	10.00 + 18.10	14.40 + 18.10	7.30 + 7.30 + 18.10
	WATER FLOW RATE		75.6 GPM	80.3 GPM	92.4 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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# DVM S Water 460V

SPECIFICATIONS - 360,000 | 384,000 | 408,000

MODEL	MODEL NUMBER		AM360HXWAJR2AA	AM384HXWAJR2AA	AM408HXWAJR2AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		30	32	34
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072HXWAJR/AA	AM192HXWAJR/AA	AM096HXWAJR/AA
		MODULE 2	AM096HXWAJR/AA	AM192HXWAJR/AA	AM120HXWAJR/AA
		MODULE 3	AM192HXWAJR/AA	-	AM192HXWAJR/AA
	COMBINATION TYPE		Standard	Standard	Standard
MAX. INDOOR UNIT CONNECTION	QUANTITY		62	64	64
PERFORMANCE	CAPACITY	COOLING	360,000 Btu/h	384,000 Btu/h	408,000 Btu/h
		HEATING	405,000 Btu/h	432,000 Btu/h	459,000 Btu/h
	EER (DUCTED / NON-DUCTED)		14.20 / 15.10	13.40 / 13.60	12.90 / 13.50
	IEER (DUCTED / NON-DUCTED)		16.70 / 18.60	16.10 / 17.30	15.20 / 16.50
	SCHE (DUCTED / NON-DUCTED)		18.60 / 21.10	18.00 / 19.20	18.00 / 19.70
	COP (68.0°F, DUCTED / NON-DUCTED)		4.90 / 4.60	4.80 / 4.30	4.60 / 4.30
POWER	VOLTAGE	ø / V / Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		15.0 + 15.0 + 35.0 A	35.0 + 35.0 A	15.0 + 25.0 + 35.0 A
	MIN. CIRCUIT AMPACITY		10.0 + 11.0 + 26.2 A	26.2 + 26.2 A	11.0 + 15.6 + 26.2 A
DIMENSIONS	W X H X D		31 3/32 X 39 13/32 X 21 1/2 in. (2) + 44 3/32 X 39 13/32 X 21 1/2 in.	44 3/32 X 39 13/32 X 21 1/2 in. (2)	31 3/32 X 39 13/32 X 21 1/2 in. (2) + 44 3/32 X 39 13/32 X 21 1/2 in.
	WEIGHT		368.00 (2) + 545.00 lbs.	545.00 lbs. (2)	368.00 (2) + 545.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		54 / 56 dB(A)	54 / 55 dB(A)	55 / 56 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.10 +12.80 + 21.60 lbs.	21.60 lbs. (2)	12.80 + 13.20 + 21.60 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (3)	1 1/4 in. NPT (2)	1 1/4 in. NPT (3)
	PRESSURE DROP	ftAq	7.30 + 10.00 + 18.10	18.10 + 18.10	10.00 + 14.40 + 18.10
	WATER FLOW RATE		96.7 GPM	100.4 GPM	105.7 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



Product registration required.  
Conditions apply.



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# Specifications

## DVM S Water 460V

SPECIFICATIONS - 432,000 | 456,000 | 480,000

MODEL	MODEL NUMBER		AM432HXWAJR2AA	AM456HXWAJR2AA	AM480HXWAJR2AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		36	38	40
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM120HXWAJR/AA	AM072HXWAJR/AA	AM096HXWAJR/AA
		MODULE 2	AM120HXWAJR/AA	AM192HXWAJR/AA	AM192HXWAJR/AA
		MODULE 3	AM192HXWAJR/AA	AM192HXWAJR/AA	AM192HXWAJR/AA
	COMBINATION TYPE		Standard	Standard	Standard
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	432,000 Btu/h	456,000 Btu/h	480,000 Btu/h
		HEATING	486,000 Btu/h	513,000 Btu/h	540,000 Btu/h
	EER (DUCTED / NON-DUCTED)		12.10 / 12.10	13.10 / 12.40	12.60 / 12.20
	IEER (DUCTED / NON-DUCTED)		14.70 / 15.40	14.60 / 14.50	13.70 / 13.80
	SCHE (DUCTED / NON-DUCTED)		17.70 / 18.40	17.20 / 18.70	17.20 / 19.20
	COP (68.0°F, DUCTED / NON-DUCTED)		4.40 / 4.10	4.60 / 4.20	4.40 / 4.10
POWER	VOLTAGE	ø / V / Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		25.0 + 25.0 + 35.0 A	15.0 + 35.0 + 35.0 A	15.0 + 35.0 + 35.0 A
	MIN. CIRCUIT AMPACITY		15.6 + 15.6 + 26.2 A	10.0 + 26.2 + 26.2 A	11.0 + 26.2 + 26.2 A
DIMENSIONS	W X H X D		31 3/32 X 39 13/32 X 21 1/2 in. (2) + 44 3/32 X 39 13/32 X 21 1/2 in.	31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in. (2)	31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in. (2)
	WEIGHT		368.00 (2) + 545.00 lbs.	368.00 + 545.00 (2) lbs.	368.00 + 545.00 (2) lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		55 / 57 dB(A)	55 / 56 dB(A)	55 / 56 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
			MAX. LENGTH (ODU - IDU)	558 (623 equivalent)	558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		13.20 (2) + 21.60 lbs.	12.10 + 21.60 (2) lbs.	12.10 + 21.60 (2) lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (3)	1 1/4 in. NPT (3)	1 1/4 in. NPT (3)
	PRESSURE DROP	ftAq	14.40 + 14.40 + 18.10	7.30 + 18.10 + 18.10	10.00 + 18.10 + 18.10
	WATER FLOW RATE		110.4 GPM	121.5 GPM	125.8 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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Conditions apply.



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# DVM S Water 460V

SPECIFICATIONS - 504,000 | 576,000

MODEL	MODEL NUMBER		AM504HXWAJR2AA	AM576HXWAJR2AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		42	48
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM120HXWAJR/AA	AM192HXWAJR/AA
		MODULE 2	AM192HXWAJR/AA	AM192HXWAJR/AA
		MODULE 3	AM192HXWAJR/AA	AM192HXWAJR/AA
	COMBINATION TYPE		Standard	Standard
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64
PERFORMANCE	CAPACITY	COOLING	504,000 Btu/h	576,000 Btu/h
		HEATING	567,000 Btu/h	648,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.80 / 10.90	11.50 / 10.00
	IEER (DUCTED / NON-DUCTED)		13.30 / 12.80	12.50 / 12.20
	SCHE (DUCTED / NON-DUCTED)		17.20 / 17.70	17.10 / 17.60
	COP (68.0°F, DUCTED / NON-DUCTED)		4.20 / 4.10	4.00 / 4.00
POWER	VOLTAGE	ø / V / Hz	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		25.0 + 35.0 + 35.0 A	35.0 + 35.0 + 35.0 A
	MIN. CIRCUIT AMPACITY		15.6 + 26.2 + 26.2 A	26.2 + 26.2 + 26.2 A
DIMENSIONS	W X H X D		31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in. (2)	44 3/32 X 39 13/32 X 21 1/2 in. (3)
	WEIGHT		368.00 + 545.00 (2) lbs.	545.00 lbs. (3)
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		55 / 57 dB(A)	56 / 57 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	558 (623 equivalent)	558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A
	FACTORY CHARGE		13.20 + 21.60 (2) lbs.	21.60 lbs. (3)
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (3)	1 1/4 in. NPT (3)
	PRESSURE DROP	ftAq	14.40 + 18.10 + 18.10	18.10 + 18.10 + 18.10
	WATER FLOW RATE		130.5 GPM	150.60 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI



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# Specifications

## DVM S Water 460V Compact

SPECIFICATIONS - 240,000 | 312,000 | 336,000

MODEL	MODEL NUMBER		AM240KXWAJR/AA	AM312KXWAJR1AA	AM336KXWAJR1AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		20	26	28
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM240KXWAJR/AA	AM072HXWAJR/AA	AM096HXWAJR/AA
		MODULE 2	-	AM240KXWAJR/AA	AM240KXWAJR/AA
		MODULE 3	-	-	-
	COMBINATION TYPE		Compact (with 20 ton module)	Compact (with 20 ton module)	Compact (with 20 ton module)
MAX. INDOOR UNIT CONNECTION	QUANTITY		41	54	58
PERFORMANCE	CAPACITY	COOLING	240,000 Btu/h	312,000 Btu/h	336,000 Btu/h
		HEATING	270,000 Btu/h	351,000 Btu/h	378,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.90 / 12.40	12.70 / 13.60	12.40 / 13.20
	IEER (DUCTED / NON-DUCTED)		20.00 / 22.50	19.40 / 20.90	17.00 / 19.00
	SCHE (DUCTED / NON-DUCTED)		20.00 / 21.00	19.70 / 21.00	18.20 / 19.90
	COP (68.0°F, DUCTED / NON-DUCTED)		4.80 / 5.30	4.80 / 5.10	4.60 / 4.70
POWER	VOLTAGE	ø / V / Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		45.0 A	15.0 + 45.0 A	15.0 + 45.0 A
	MIN. CIRCUIT AMPACITY		33.0 A	10.0 + 33.0 A	11.0 + 33.0 A
DIMENSIONS	W X H X D		44 3/32 X 39 13/32 X 21 1/2 in.	31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in.	31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in.
	WEIGHT		611.00 lbs.	368.00 + 611.00 lbs.	368.00 + 611.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		55 / 57 dB(A)	56 / 58 dB(A)	56 / 58 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		5/8 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 1/8 in.	1 3/8 in.	1 3/8 in.
	HIGH PRESSURE GAS PIPE		1 1/8 in.	1 1/8 in.	1 1/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		24.30 lbs.	12.10 + 24.30 lbs.	12.80 + 24.30 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		2 in. NPT	1 1/4 in. NPT + 2 in. NPT	1 1/4 in. NPT + 2 in. NPT
	PRESSURE DROP	ftAq	11.00	7.30 + 11.00	10.00 + 11.00
	WATER FLOW RATE		60.2 GPM	81.3 GPM	85.6 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



Product registration required.  
Conditions apply.



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# DVM S Water 460V Compact

SPECIFICATIONS - 360,000 | 408,000 | 432,000

MODEL	MODEL NUMBER		AM360KXWAJR1AA	AM408KXWAJR1AA	AM432KXWAJR1AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		30	34	36
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM120HXWAJR/AA	AM072HXWAJR/AA	AM072HXWAJR/AA
		MODULE 2	AM240KXWAJR/AA	AM096HXWAJR/AA	AM120HXWAJR/AA
		MODULE 3	-	AM240KXWAJR/AA	AM240KXWAJR/AA
	COMBINATION TYPE		Compact (with 20 ton module)	Compact (with 20 ton module)	Compact (with 20 ton module)
MAX. INDOOR UNIT CONNECTION	QUANTITY		62	64	64
PERFORMANCE	CAPACITY	COOLING	360,000 Btu/h	408,000 Btu/h	432,000 Btu/h
		HEATING	405,000 Btu/h	459,000 Btu/h	486,000 Btu/h
	EER (DUCTED / NON-DUCTED)		12.10 / 12.70	13.10 / 12.70	12.30 / 12.20
	IEER (DUCTED / NON-DUCTED)		15.00 / 17.40	15.60 / 17.00	14.60 / 15.60
	SCHE (DUCTED / NON-DUCTED)		15.80 / 15.80	18.40 / 19.90	16.80 / 19.00
	COP (68.0°F, DUCTED / NON-DUCTED)		4.40 / 4.20	4.60 / 4.50	4.40 / 4.30
POWER	VOLTAGE	ø / V / Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		25.0 + 45.0 A	15.0 + 15.0 + 45.0 A	15.0 + 25.0 + 45.0 A
	MIN. CIRCUIT AMPACITY		15.6 + 33.0 A	10.0 + 11.0 + 33.0 A	10.0 + 15.6 + 33.0 A
DIMENSIONS	W X H X D		31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in.	31 3/32 X 39 13/32 X 21 1/2 in. (2) + 44 3/32 X 39 13/32 X 21 1/2 in.	31 3/32 X 39 13/32 X 21 1/2 in. (2) + 44 3/32 X 39 13/32 X 21 1/2 in.
	WEIGHT		368.00 + 611.00 lbs.	368.00 (2) + 611.00 lbs.	368.00 (2) + 611.00 lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		57 / 59 dB(A)	57 / 59 dB(A)	57 / 59 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		13.20 / 24.30 lbs.	12.10 + 12.80 + 24.30 lbs.	12.10 + 13.20 + 24.30 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT + 2 in. NPT	1 1/4 in. NPT (2) + 2 in. NPT	1 1/4 in. NPT (2) + 2 in. NPT
	PRESSURE DROP	ftAq	14.40 + 11.00	7.30 + 10.00 + 11.00	7.30 + 14.40 + 11.00
	WATER FLOW RATE		90.3 GPM	106.7 GPM	111.4 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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## Specifications

# DVM S Water 460V Compact

SPECIFICATIONS - 456,000 | 480,000 | 528,000

MODEL	MODEL NUMBER		AM456KXWAJR1AA	AM480KXWAJR1AA	AM528KXWAJR1AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		38	40	44
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM096HXWAJR/AA	AM240KXWAJR/AA	AM096HXWAJR/AA
		MODULE 2	AM120HXWAJR/AA	AM240KXWAJR/AA	AM192HXWAJR/AA
		MODULE 3	AM240KXWAJR/AA	-	AM240KXWAJR/AA
	COMBINATION TYPE		Compact (with 20 ton module)	Compact (with 20 ton module)	Compact (with 20 ton module)
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	456,000 Btu/h	480,000 Btu/h	528,000 Btu/h
		HEATING	513,000 Btu/h	540,000 Btu/h	594,000 Btu/h
	EER (DUCTED / NON-DUCTED)		11.50 / 11.70	10.80 / 11.30	10.90 / 11.30
	IEER (DUCTED / NON-DUCTED)		13.70 / 14.40	12.70 / 13.00	12.70 / 13.00
	SCHE (DUCTED / NON-DUCTED)		16.80 / 18.50	16.40 / 17.80	16.50 / 17.90
POWER	COP (68.0°F, DUCTED / NON-DUCTED)		4.20 / 4.20	4.00 / 4.00	4.00 / 4.00
	VOLTAGE	ø / V / Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		15.0 + 25.0 + 45.0 A	45.0 + 45.0 A	15.0 + 35.0 + 45.0 A
DIMENSIONS	MIN. CIRCUIT AMPACITY		11.0 + 15.6 + 33.0 A	33.0 + 33.0 A	11.0 + 26.2 + 33.0 A
	W X H X D		31 3/32 X 39 13/32 X 21 1/2 in. (2) + 44 3/32 X 39 13/32 X 21 1/2 in.	44 3/32 X 39 13/32 X 21 1/2 in. (2)	31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in. (2)
SOUND PRESSURE LEVEL	WEIGHT		368.00 (2) + 611.00 lbs.	611.00 (2) lbs.	368.00 + 545.00 + 611.00 lbs.
	OUTDOOR (COOLING / HEATING)		57 / 59 dB(A)	59 / 61 dB(A)	58 / 59 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.80 + 13.20 + 24.30 lbs.	24.30 + 24.30 lbs.	12.80 + 21.60 + 24.30 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT (2) + 2 in. NPT	2 in. NPT (2)	1 1/4 in. NPT (2) + 2 in. NPT
	PRESSURE DROP	ftAq	10.00 + 14.40 + 11.00	11.00 + 11.00	10.00 + 18.10 + 11.00
	WATER FLOW RATE		115.7 GPM	120.4 GPM	135.8 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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# DVM S Water 460V Compact

SPECIFICATIONS - 552,000 | 576,000 | 600,000

MODEL	MODEL NUMBER		AM552KXWAJR1AA	AM576KXWAJR1AA	AM600KXWAJR1AA
	TYPE		HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY	HEAT PUMP / HEAT RECOVERY
TONS	NOMINAL		46	48	50
MODULAR DATA	OUTDOOR UNIT MODULE MODEL NUMBERS	MODULE 1	AM072HXWAJR/AA	AM096HXWAJR/AA	AM120HXWAJR/AA
		MODULE 2	AM240KXWAJR/AA	AM240KXWAJR/AA	AM240KXWAJR/AA
		MODULE 3	AM240KXWAJR/AA	AM240KXWAJR/AA	AM240KXWAJR/AA
	COMBINATION TYPE		Compact (with 20 ton module)	Compact (with 20 ton module)	Compact (with 20 ton module)
MAX. INDOOR UNIT CONNECTION	QUANTITY		64	64	64
PERFORMANCE	CAPACITY	COOLING	552,000 Btu/h	576,000 Btu/h	600,000 Btu/h
		HEATING	621,000 Btu/h	648,000 Btu/h	675,000 Btu/h
	EER (DUCTED / NON-DUCTED)		10.60 / 10.80	10.20 / 10.40	10.00 / 10.00
	IEER (DUCTED / NON-DUCTED)		12.50 / 12.60	12.20 / 12.30	11.60 / 11.70
	SCHE (DUCTED / NON-DUCTED)		16.00 / 17.50	15.50 / 17.20	15.00 / 17.00
	COP (68.0°F, DUCTED / NON-DUCTED)		3.90 / 4.00	3.90 / 3.90	3.90 / 3.90
POWER	VOLTAGE	ø / V / Hz	3 / 460 / 60	3 / 460 / 60	3 / 460 / 60
	MAX. BREAKER		15.0 + 45.0 + 45.0 A	15.0 + 45.0 + 45.0 A	25.0 + 45.0 + 45.0 A
	MIN. CIRCUIT AMPACITY		10.0 + 33.0 + 33.0 A	11.0 + 33.0 + 33.0 A	15.6 + 33.0 + 33.0 A
DIMENSIONS	W X H X D		31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in. (2)	31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in. (2)	31 3/32 X 39 13/32 X 21 1/2 in. + 44 3/32 X 39 13/32 X 21 1/2 in. (2)
	WEIGHT		368.00 + 611.00 (2) lbs.	368.00 + 611.00 (2) lbs.	368.00 + 611.00 (2) lbs.
SOUND PRESSURE LEVEL	OUTDOOR (COOLING / HEATING)		59 / 61 dB(A)	59 / 61 dB(A)	59 / 61 dB(A)
OPERATING TEMPERATURE	COOLING / HEATING (STANDARD - WITHOUT ANTIFREEZE)		50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C	50.0 - 113.0°F 10.0 - 45.0°C
	WITH ANTIFREEZE		14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C	14.0 - 113.0°F -10.0 - 45.0°C
PIPE CONNECTIONS	LIQUID PIPE		3/4 in.	3/4 in.	3/4 in.
	SUCTION PIPE		1 5/8 in.	1 5/8 in.	1 5/8 in.
	HIGH PRESSURE GAS PIPE		1 3/8 in.	1 3/8 in.	1 3/8 in.
	INSTALLATION LIMITATION	MAX. VERTICAL SEPARATION	164 ft.	164 ft.	164 ft.
		MAX. LENGTH (ODU - IDU)	558 (623 equivalent)	558 (623 equivalent)	558 (623 equivalent)
REFRIGERANT	TYPE		R410A	R410A	R410A
	FACTORY CHARGE		12.10 + 24.30 + 24.30 lbs.	12.80 + 24.30 + 24.30 lbs.	13.20 + 24.30 + 24.30 lbs.
COMPRESSOR	TYPE		Inverter Scroll	Inverter Scroll	Inverter Scroll
CONTROL PCB OUTPUT	2-WAY SOLENOID VALVE		Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)	Dry contact (0.2A, 250V max., high voltage available from PCB)
	FLOW CONTROL VALVE OUTPUT SIGNAL		0V - 10V	0V - 10V	0V - 10V
	WATER PUMP OUTPUT		Dry Contact	Dry Contact	Dry Contact
CONDENSER FAN	TYPE		Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	SOCKET SIZE (INLET / OUTLET)		1 1/4 in. NPT + 2 in. NPT (2)	1 1/4 in. NPT + 2 in. NPT (2)	1 1/4 in. NPT + 2 in. NPT (2)
	PRESSURE DROP	ftAq	7.30 + 11.00 + 11.00	10.00 + 11.00 + 11.00	14.40 + 11.00 + 11.00
	WATER FLOW RATE		141.5 GPM	145.8 GPM	150.5 GPM
	MAX. WORKING STATIC PRESSURE		285 PSI	285 PSI	285 PSI



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# Specifications

## DVM Chiller

SPECIFICATIONS - 120,000 | 168,000 | 120,000

MODEL	OUTDOOR UNIT			AG010KSVAFH/AA	AG015KSVAFH/AA	AG010KSVAJH/AA	
TONS	NOMINAL			10	15	10	
PERFORMANCE	CAPACITY	COOLING	AMBIENT: 95.0°F (35.0°C) ENTERING TEMPERATURE: 54.0°F (12.2°C) LEAVING TEMPERATURE: 44.0°F (6.6°C)	120,000 Btu/h	168,000 Btu/h	120,000 Btu/h	
		HEATING (DRY / WET BULB: 47.0/43.0°F, 8.3/6.1°C)	LEAVING TEMPERATURE: 105.0°F (40.5°C)	128,000 Btu/h	182,000 Btu/h	128,000 Btu/h	
			LEAVING TEMPERATURE: 120.0°F (48.9°C)	120,000 Btu/h	171,000 Btu/h	120,000 Btu/h	
		HEATING (DRY / WET BULB: 17.0/15.0°F, -8.3/-9.4°C)	LEAVING TEMPERATURE: 105.0°F (40.5°C)	84,000 Btu/h	90,000 Btu/h	84,000 Btu/h	
			LEAVING TEMPERATURE: 120.0°F (48.9°C)	80,000 Btu/h	85,000 Btu/h	80,000 Btu/h	
	EER				11.20	10.10	11.20
	COP	HEATING (DRY / WET BULB: 47.0/43.0°F, 8.3/6.1°C)	LEAVING TEMPERATURE: 105.0°F (40.5°C)	3.84	3.52	3.84	
			LEAVING TEMPERATURE: 120.0°F (48.9°C)	3.05	2.87	3.05	
		HEATING (DRY / WET BULB: 17.0/15.0°F, -8.3/-9.4°C)	LEAVING TEMPERATURE: 105.0°F (40.5°C)	2.20	2.20	2.20	
			LEAVING TEMPERATURE: 120.0°F (48.9°C)	1.85	1.90	1.85	
	IPLV				20.50	18.80	20.50
POWER	VOLTAGE		ø / V / Hz	3 / 208 - 230 / 60	3 / 208 - 230 / 60	3 / 460 / 60	
	MAX. BREAKER			70.0 A	90.0 A	30.0 A	
	MIN. CIRCUIT AMPACITY			52.0 A	70.0 A	24.0 A	
DIMENSIONS	W X H X D			70 11/16 X 66 3/4 X 30 1/8 in.	70 11/16 X 66 3/4 X 30 1/8 in.	70 11/16 X 66 3/4 X 30 1/8 in.	
	WEIGHT			959 lbs.	959 lbs.	959 lbs.	
SOUND PRESSURE LEVEL	OUTDOOR			60 dB(A)	62 dB(A)	60 dB(A)	
OPERATING WATER TEMPERATURE	COOLING	STANDARD		41.0 - 77.0°F (5.0 - 25.0°C)	41.0 - 77.0°F (5.0 - 25.0°C)	41.0 - 77.0°F (5.0 - 25.0°C)	
		WHEN USING BRINE		14.0 - 77.0°F (-10.0 - 25.0°C)	14.0 - 77.0°F (-10.0 - 25.0°C)	14.0 - 77.0°F (-10.0 - 25.0°C)	
	HEATING			77.0 - 131.0°F (25.0 - 55.0°C)	77.0 - 131.0°F (25.0 - 55.0°C)	77.0 - 131.0°F (25.0 - 55.0°C)	
OPERATING AMBIENT TEMPERATURE	COOLING			5.0 - 118.0°F (-15.0 - 47.8°C)	5.0 - 118.0°F (-15.0 - 47.8°C)	5.0 - 118.0°F (-15.0 - 47.8°C)	
	HEATING			-13.0 - 109.0°F (-25.0 - 42.8°C)	-13.0 - 109.0°F (-25.0 - 42.8°C)	-13.0 - 109.0°F (-25.0 - 42.8°C)	
WATER SIDE HEAT EXCHANGER	CONNECTION TYPE			50A Cut Groove	50A Cut Groove	50A Cut Groove	
	QUANTITY			2	2	2	
	WATER FLOW (GPM) (COOLING / HEATING)	MIN.		15.8 / 15.8	16.8 / 16.8	15.8 / 15.8	
		NOMINAL		24.0 / 24.0	33.6 / 33.6	24.0 / 24.0	
		MAX.		48.0 / 48.0	67.2 / 67.2	48.0 / 48.0	
MIN. WATER SYSTEM VALUE			72 gal.	100.8 gal.	72 gal.		
REFRIGERANT	TYPE			R410A	R410A	R410A	
	FACTORY CHARGE			40 lbs.	40 lbs.	40 lbs.	
COMPRESSOR	TYPE			Inverter Driven Scroll (2)	Inverter Driven Scroll (2)	Inverter Driven Scroll (2)	
CONDENSER FAN	FAN	TYPE		Propeller(2)	Propeller(2)	Propeller(2)	
		CFM (MAX.)		12,855	12,855	12,855	
	MOTOR	TYPE		BLDC	BLDC	BLDC	
		OUTPUT		630 W X 2	630 W X 2	630 W X 2	
MAX. EXTERNAL STATIC PRESSURE			0.32 in. WC	0.32 in. WC	0.32 in. WC		
ACCESSORIES	FAN COIL UNIT (FCU) CONTROL KIT			MIM-F00N	MIM-F00N	MIM-F00N	
	FAN COIL UNIT (FCU) INTERFACE MODULE			MIM-F10N	MIM-F10N	MIM-F10N	
	WIRED CONTROLLER			MCM-A00UN	MCM-A00UN	MCM-A00UN	



Product registration required.  
Conditions apply.



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DVM Chiller design software is available at [www.samsunghvac.com](http://www.samsunghvac.com).

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# DVM Chiller

## SPECIFICATIONS - 168,000

MODEL	OUTDOOR UNIT		AG015KSVAJH/AA
TONS	NOMINAL		15
PERFORMANCE	CAPACITY	COOLING	AMBIENT: 95.0°F (35.0°C) ENTERING TEMPERATURE: 54.0°F (12.2°C) LEAVING TEMPERATURE: 44.0°F (6.6°C) 168,000 Btu/h
		HEATING (DRY / WET BULB: 47.0/43.0°F, 8.3/6.1°C)	LEAVING TEMPERATURE: 105.0°F (40.5°C) 182,000 Btu/h
			LEAVING TEMPERATURE: 120.0°F (48.9°C) 171,000 Btu/h
		HEATING (DRY / WET BULB: 17.0/15.0°F, -8.3/-9.4°C)	LEAVING TEMPERATURE: 105.0°F (40.5°C) 90,000 Btu/h
			LEAVING TEMPERATURE: 120.0°F (48.9°C) 85,000 Btu/h
	EER		10.10
	COP	HEATING (DRY / WET BULB: 47.0/43.0°F, 8.3/6.1°C)	LEAVING TEMPERATURE: 105.0°F (40.5°C) 3.52
			LEAVING TEMPERATURE: 120.0°F (48.9°C) 2.87
		HEATING (DRY / WET BULB: 17.0/15.0°F, -8.3/-9.4°C)	LEAVING TEMPERATURE: 105.0°F (40.5°C) 2.20
			LEAVING TEMPERATURE: 120.0°F (48.9°C) 1.90
	IPLV		18.80
POWER	VOLTAGE		ø / V / Hz
	MAX. BREAKER		50.0 A
	MIN. CIRCUIT AMPACITY		40.0 A
DIMENSIONS	W X H X D		70 11/16 X 66 3/4 X 30 1/8 in.
	WEIGHT		959 lbs.
SOUND PRESSURE LEVEL	OUTDOOR		62 dB(A)
OPERATING WATER TEMPERATURE	COOLING	STANDARD	41.0 - 77.0°F (5.0 - 25.0°C)
		WHEN USING BRINE	14.0 - 77.0°F (-10.0 - 25.0°C)
	HEATING		77.0 - 131.0°F (25.0 - 55.0°C)
OPERATING AMBIENT TEMPERATURE	COOLING		5.0 - 118.0°F (-15.0 - 47.8°C)
	HEATING		-13.0 - 109.0°F (-25.0 - 42.8°C)
WATER SIDE HEAT EXCHANGER	CONNECTION TYPE		50A Cut Groove
	QUANTITY		2
	WATER FLOW (GPM) (COOLING / HEATING)	MIN.	16.8 / 16.8
		NOMINAL	33.6 / 33.6
		MAX.	67.2 / 67.2
	MIN. WATER SYSTEM VALUE		100.8 gal.
REFRIGERANT	TYPE		R410A
	FACTORY CHARGE		40 lbs.
COMPRESSOR	TYPE		Inverter Driven Scroll (2)
CONDENSER FAN	FAN	TYPE	Propeller (2)
		CFM (MAX.)	12,855
	MOTOR	TYPE	BLDC
		OUTPUT	630 W X 2
	MAX. EXTERNAL STATIC PRESSURE		0.32 in. WC
ACCESSORIES	FAN COIL UNIT (FCU) CONTROL KIT		MIM-F00N
	FAN COIL UNIT (FCU) INTERFACE MODULE		MIM-F10N
	WIRED CONTROLLER		MCM-A00UN



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Intertek

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