SAMSUNG

Climate Solutions

Product Catalogue

Commercial

2019

Table of contents

The information contained in this document may include either preliminary values, or may have missing values which were not yet available at time of creation. Please consult the Samsung Climate Solutions Partner Portal on **partnerhub.samsung.com/climate**, or your direct Samsung contact person, for obtaining the latest information.

About Samsung Climate Solutions

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

It is our focus at Samsung to provide cutting-edge innovations in climate-based initiatives, as well as lasting digital connectivity solutions. Samsung is proud to offer ongoing training, technical support and unique distribution operations, and prides itself on fulfilling the needs of the European market when it comes to cooling, heating, domestic hot water, ventilation and smart building solutions, particularly across retail, hotel, office and home environments.

17 Samsung Offices

8 Warehouses

9 Training Centres

General

Innovation Milestones

Samsung has been manufacturing air conditioners and challenging the status quo of the industry for over 40 years. Thanks to cutting-edge innovations in design and technology, we will continue to aspire to be a leader in the cooling and heating industry in the years to come.

1974

Began WAC Production

1975

Began RAC Production

1985

Began Inverter RAC / FAC / PAC Production

1992

Began SAC Production

2000

First Launched DVM Water

2007

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

2012

Launched Wi-Fi Control RAC (Jungfrau)

2013

Launched Triangle Design RAC (A3050)

2015

Introduced World's First 360 Cassette 30HP DVM

2017

Launched Wind-Free™

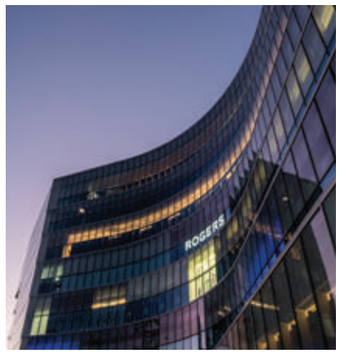
2018

Extended Wind-Free™ With Cassette Range

General

Reference Sites

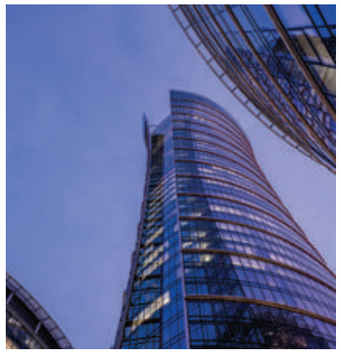
From a shopping centre in Albania to an office building in Poland, Samsung is proud to have brought innovative climate solutions to Europe, without compromising on interior design. In fact, some of our achievements prove that functional indoor units can bring exciting modern touches to historic spaces.



Toptani Plaza Shopping
Tirana, Albania

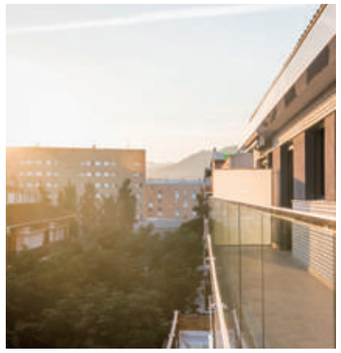
Mr Brown Restaurant
Milan, Italy

Hotel
Dijon, France



Spire Tower
Warsaw, Poland

Shopping Centre
Venice, Italy



Residential Apartments
Barcelona, Spain

Office Building
Edam,
The Netherlands

Protecting The Environment

Samsung endeavours to comply with international environmental standards, European and national laws and regulations across its global business operations. Samsung will actively attempt to minimise the generation of harmful materials, utilise resources efficiently and recycle waste products for the benefit of the environment. Samsung will do its best to conduct environmental improvement activities across all product development, production, distribution, sales and disposal processes.

WEEE: Electronic Waste

Samsung work within the WEEE (Waste of Electrical and Electronic Equipment) regulations, which forms the Directive for extended producer responsibility. This Directive stipulates the safe collection, treatment, recycling and environmentally-sound disposal of all electrical and electronic equipment. Working with collective recycling schemes in each EU member state, Samsung co-finances the take-back and recycling of electronic products.

Packaging

Samsung works together with recycling schemes and governmental organisations to collect, separate and re-use all packaging materials at various points in the distribution chain. Many materials can be recycled into new products and recycling helps to save natural resources. Recycling packaging helps to re-use valuable raw materials and to reduce the overall impact on the environment.

Batteries

Samsung has been giving new life to used batteries by funding collection, treatment and recycling by local battery recycling organisations.

Ecodesign

Samsung complies with the Ecodesign regulations, issued in March 2012, which require electric air conditioners (<12kW) and comfort fans (<125W) within the EU to display detailed, highly visible information regarding energy efficiency, plus information on Coefficient of Performance (COP), Energy Efficiency Ratio (EER) and annual energy consumption (kW/h).

Addressing Global Warming With R32 Refrigerant

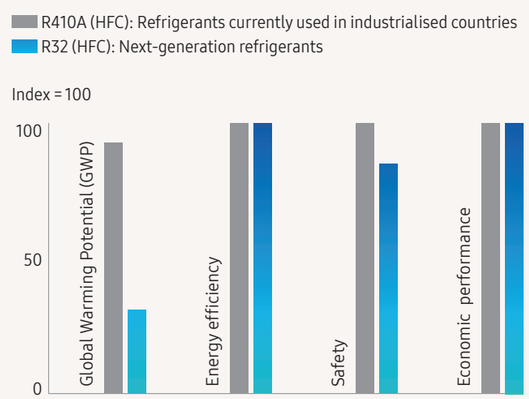
R32

Following the introduction of EU legislation on the reduction of F-gas emissions, Samsung presents a new range of air conditioners for 2019 across Residential (RAC), Commercial (CAC) and Multi Split (FJM) models. All feature R32 refrigerant. R32 has a Global Warming Potential (GWP) of 675, which is significantly lower than the GWP of R410A (2088).

These new products are more environmentally-friendly than their R410A-based predecessors. While refrigerants are an essential part of air conditioning, R32 reduces environmental impact by 68%* in comparison with R410A (if leaked into the atmosphere), is non-toxic and easy to recycle. It has an Ozone Depletion Potential (ODP) of zero, a high refrigeration capacity and thermal conductivity, meaning maximum efficiency and a 30% reduction in charging volume.

* Comparison between R410A and R32 GWP figures as per: reporting from the European Commission

Environmental impact: R410A compared to R32



Making Energy Efficiency Clear

Since 1st January 2013, all air conditioners with a rated capacity of ≤ 12 kW for cooling or heating have featured an energy label indicating their energy efficiency in compliance with EU Regulation No. 626/2011 (Lot 10). As of January 2019, the energy efficiency scale has changed: the new range will be from A+++ to D, with A+++ being the most efficient and D being the least efficient.

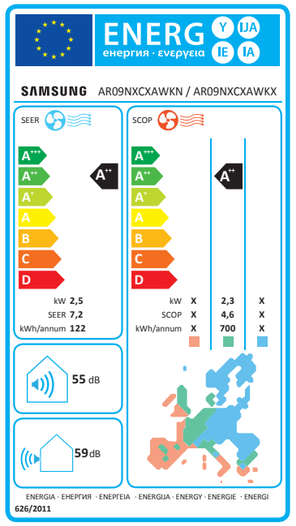
The energy label should provide minimum necessary information such as the product model code, energy efficiency class, average annual energy consumption, SCOP and/or SEER values and noise level.

The energy efficiency class is determined by measurements and calculations and should fall within the ranges indicated by the table below.

Energy Efficiency Class	SEER (Cooling)	SEER (Heating)
A+++	SEER ≥ 8.50	SCOP ≥ 5.10
A++	6.10 ≤ SEER < 8.50	4.60 ≤ SCOP < 5.10
A+	5.60 ≤ SEER < 6.10	4.00 ≤ SCOP < 4.60
A	5.10 ≤ SEER < 5.60	3.40 ≤ SCOP < 4.00
B	4.60 ≤ SEER < 5.10	3.10 ≤ SCOP < 3.40
C	4.10 ≤ SEER < 4.60	2.80 ≤ SCOP < 3.10
D	3.60 ≤ SEER < 4.10	2.50 ≤ SCOP < 2.80

Except single duct and double duct air conditioners.

New Energy Label as of January 2019



Samsung Climate Solutions Partner Portal

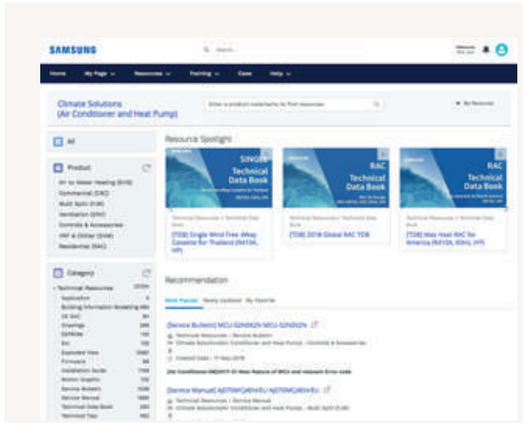
General

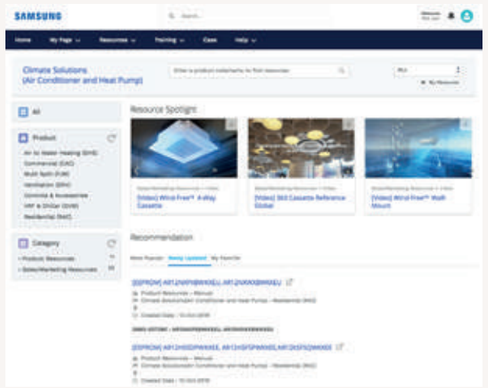
A Resource Bank For All Things Samsung

As one of Samsung's registered Climate Solutions partners, you will have access to our Partner Portal and its many benefits. Whether you are looking for marketing materials or technical product documentation, requesting technical support or subscribing for training, the Samsung Climate Solutions Partner Portal offers you everything you need to consistently deliver the best results.

Access Technical Resources

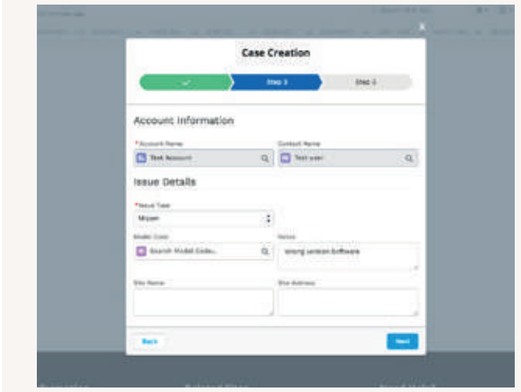
The Technical Resources section allows you to find all relevant information to understand the product's functionality and to prepare and design projects. Ranging from technical data books, BIM files and certificates to exploded views, drawings and different kinds of manuals, a library full of technical information is at your fingertips.





Obtain Marketing Resources

Potential buyers like to know you are on the cutting edge of Samsung's latest innovations. To allow you to align with Samsung's marketing initiatives, the Partner Portal provides you with useful downloadable assets such as images and videos, designed to make your marketing activities easy and effective.



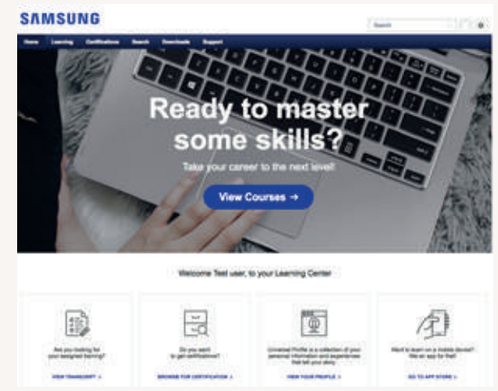
Request Technical Support

Through the Samsung Partner Portal you can easily request technical support by raising your case using our built-in ticketing system. You can rest assured that our well-trained technical experts will work to solve your issue as soon as possible.

Register for Training

If you are dedicated to becoming a Samsung climate solutions expert, you can access Samsung's educational portal for training sessions by experienced trainers. The portal allows you to search for online courses and materials, test your climate solutions knowledge, and more.
The Samsung Business Academy is here to help you succeed.*

* The registration process and availability of training courses may differ per country. Please contact your direct Samsung contact person for more information.



How To Access

1 www **Register**

To register for the Samsung Climate Solutions Partner Portal, open your web browser* and go to **partnerhub.samsung.com/climate** to complete the registration form.

2 **** **Access**

Your information will be verified and your account will be activated. You will receive your personal login credentials.

3 **Manage account**

Keep your account details up to date and invite your colleagues to join.

4 **Search and download**

Access a full library of resources, request technical support, or sign up for a Climate Solutions Academy training session.

* The recommended web browser for using the Samsung Climate Solutions Partner Portal is Google Chrome.

General

General

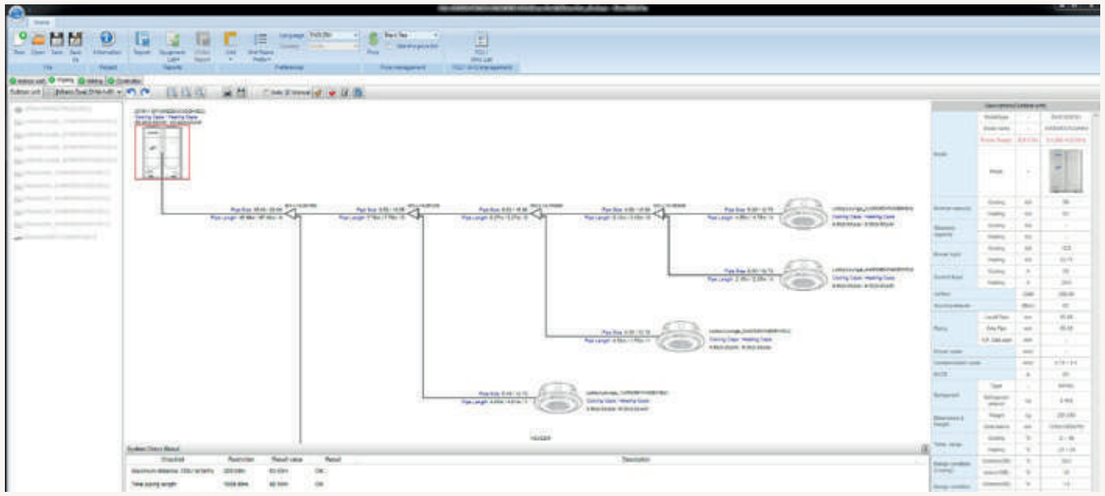
Samsung DVM-Pro

Samsung Design and Selection Software

Samsung DVM-Pro is an advanced design automation program which helps you to select the most suitable equipment for easily and precisely designing your air conditioning system.
It helps to ensure that the system's design is within Samsung's engineering guidelines.
Exporting of reports, pipe and wire diagrams, additional refrigerant values and other information make Samsung DVM-Pro a powerful tool for you as engineer, designer or installer.

Sales Mode

Sales Mode enables users to define their requirements and select air conditioning products quickly and easily.



Product Selection
List of equipment, including indoor units, outdoor units, controls and accessories

Piping Schematics
Basic or manual selection with system check and capacity simulation

Reports
Specifications, diagrams with DWG & BMP format, quotation

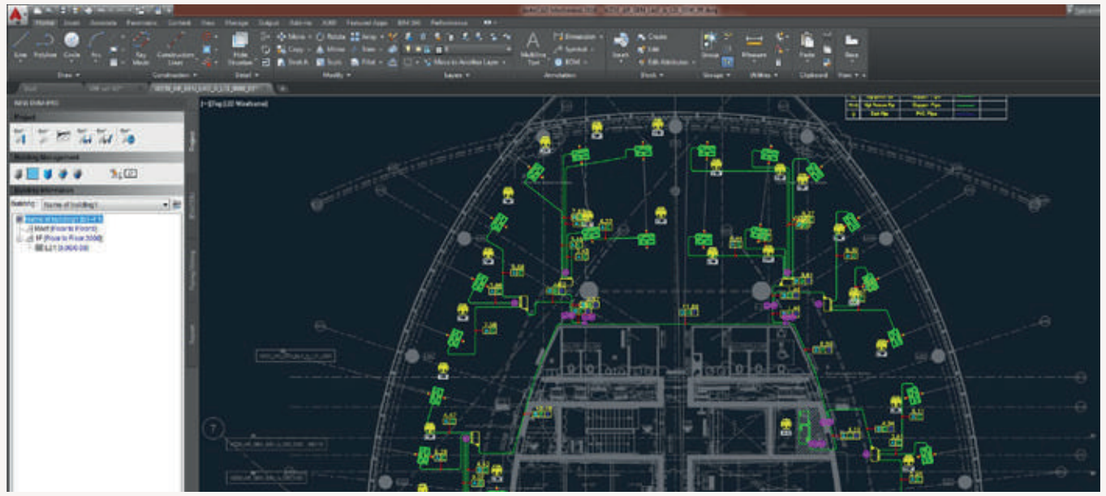
Control Systems
Automatic control unit selection

Wiring Schematics
Automatic diagram with communication wiring of indoor/outdoor/control units and electric power meters

CAD Mode

CAD Mode is an in-depth and precise design tool, enabling users to design their air conditioning system using AutoCAD software*.

* Sourced separately



Pipe Sizing & Lengths
Refrigerant & drain pipe sizing

System Check
Installation regulation & refrigerant charging

Automatic Selection
Refnet joint, header & distributor kit

Performance Simulation
Capacity correction tool against specific design conditions

Automatic Report
Piping installation

How To Access

Register

Go to **partnerhub.samsung.com/climate** to access the Samsung Climate Solutions Partner Portal*. If you do not have access yet, simply complete the registration process and you will be sent access details.

Select tools

Go to Technical Resources via the main menu and select the option Design Tools from the sub menu.

Download

Download the DVM-Pro installation file, view the user manuals, and start the design of your project.

* The recommended web browser for using the Samsung Climate Solutions Partner Portal is Google Chrome.

General

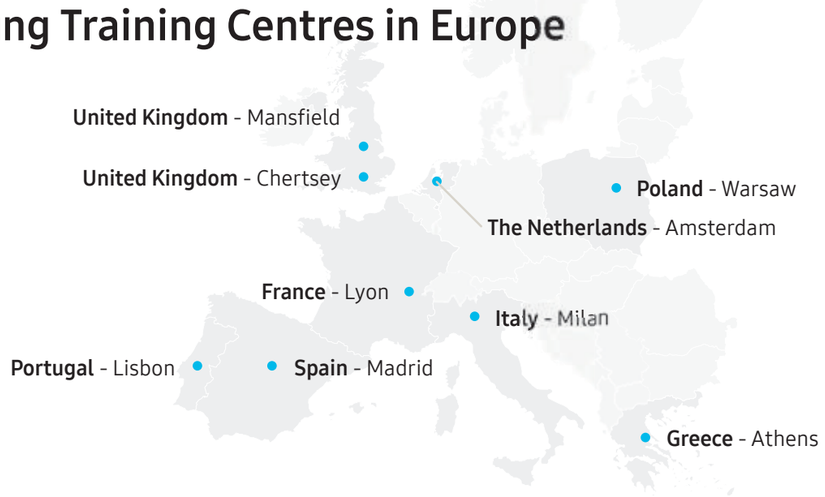
Samsung Climate Solutions Academy

General

Become A Samsung Climate Solutions Expert

Samsung Climate Solutions Academy is committed to providing engineers with the technical skills required to install a Samsung product efficiently, and to help relay necessary information to users. All courses are designed to provide attendees with the opportunity to develop both theoretical and practical knowledge of Samsung's vast range of equipment and solutions.

Samsung Training Centres in Europe



Available Training Modules

Essential Courses: Basic Commercial Training

- The product line-up, accessories and available controls
- The unique characteristics of Samsung products
- Installation considerations

Advanced Courses: Technical Training

- How to correctly install and configure a system
- Commissioning: Common issues during commissioning and how to resolve any challenges
- Troubleshooting and fault finding (by use of E-codes)
- Control logic
- Case studies

Advanced Courses: Design Training

- Understanding customers' needs and offering possible solutions
- DVM-Pro - Samsung's advanced design tool
- Case studies

Note: the registration process and availability of training courses may differ per country. Please contact your direct Samsung contact person for more information.

How To Register For Training

Search

To check for available training courses, go to Samsung Business Academy (SBA) via the Samsung Climate Solutions Partner Portal*: **partnerhub.samsung.com/climate**. Search the online event calendar and select the training course you would like attend.

Register

When you have identified the training course you would like attend, follow the registration process. Once you have registered successfully you will receive a confirmation e-mail.

Get Certified

Once we have confirmed your registration, we will welcome you to one of our training centres. You will be trained by one of our specialised Master Trainers or Product Specialists, and receive a Certificate of Completion.

* The recommended web browser for using the Samsung Climate Solutions Partner Portal is Google Chrome.

General

Product Introduction

General

Product Categories

Samsung’s efficient, high-capacity air conditioning systems are designed to provide the right climate solution for numerous applications and environments.

VRF

Digital Variable Multi (DVM)

A DVM system is a perfectly versatile climate control solution. With its wide range of capacities it can cool or heat any space, from high-rise towers to small commercial buildings.

Chiller

Digital Variable Multi (DVM) Chiller

A DVM Chiller’s modular design provides a wide variety of configurations and control solutions. It utilises chilled water for comfortable cooling in any type of space.

Ventilation

Energy Recovery Ventilation (ERV)

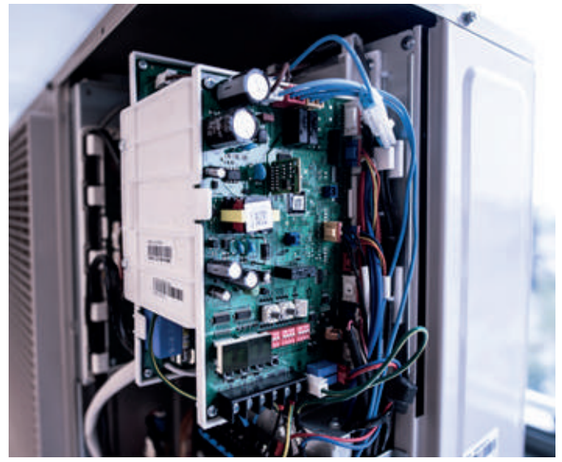
An ERV system brings fresh outside air into your space, while minimising energy loss.

Controls

Using a variety of fully integrated control solutions, users can manage multiple functions of an individual climate system, or entire groups of indoor units from a central point.

Accessories

To complete your system, Samsung offers a wide range of accessories, from cassette panels to piping connectors.



General

Product Range

Wall Mounted Type

AR5500

Maldives

Boracay

MAX

Cassette Type

360 Cassette

Wind-Free™
(Mini) 4-Way Cassette

Wind-Free™
1-Way Cassette

2-Way Cassette

Duct Type

Low Static Pressure

Duct S

Medium Static Pressure

High Static Pressure

Big Duct

Floor-Ceiling & Console Type

Packaged Floor

Floor Concealed

Console

(Big) Ceiling

Floor / Ceiling

VRF Range

Air-to-Air Large

Mini VRF

Water-to-Water

DX Fancoil Type

360 Cassette

4-Way Cassette

1-Way Cassette

Ventilation Range

High-Efficiency Ventilation Units

Ventilation Units

Outdoor Air Processing Duct

Modular Chiller

DX Chiller

Hydro (Hot/Cold Water)

50°C

80°C

Controllers

Wireless

Wired &
Centralised

Product Nomenclature

Indoor units

AM	045	N	N	4	D	E	H
1	2	3	4	5	6		7

AG	026	M	N	1	D	E	H
1	2	3	4	5	6		7

AN	035	J	S	K	L	K	N
1	2	3	4	5	6		7

1	Classification	AM	VRF (DVM)
		AG	Chiller (DVM Chiller)
		AN	Ventilation (ERV)
2	Capacity		x1/10HP DVM / x1kW Chiller (3 digits)
3	Version	F	2013
		H	2014
		J	2015
		K	2016
		M	2017
		N	2018
		R	2019
4	Product Type	N	Indoor Unit (NASA)
		S	ERV
5	Product Notation	"1"	Wind-Free™ 1-Way Cassette
		"2"	2-Way Cassette
		"4"	360 Cassette & Wind-Free™ 4-Way Cassette
		N	Wind-Free™ Mini 4-Way Cassette
		L	Low Static Pressure Duct (Slim Duct)
		M	Medium Static Pressure Duct
		H	High Static Pressure Duct
		E	Outdoor Air Processing Duct
		C	Ceiling
		J	Console
		F	Floor-Standing
		P	Packaged Floor Standing
		T	Boracay Wall-Mounted without EEV
		Q	Boracay Wall-Mounted (EEV)
		A	AR5000 Wall-Mounted without EEV
		V	AR5000 Wall-Mounted (EEV)
		B	Hydro Unit
		K	ERV (Plus)
		W	DVM S Water
6	Rating Voltage	E	1Ø, 220~240V, 50Hz
		K	1Ø, 220~240V, 50/60Hz
		G	3Ø, 220~240V, 50Hz
7	Mode	H	Heat Pump (R410A)
		B	Heat Pump (R134a)
		N	ERV

Outdoor units

AM	080	K	X	V	A	G	H
1	2	3	4	5	6	7	8

AG	070	K	S	V	A	N	H
1	2	3	4	5	6	7	8

1	Classification	AM	VRF (DVM)
		AG	Chiller (DVM Chiller)
2	Capacity		x1/10HP DVM / x1kW Chiller (3 digits)
3	Version	F	2013
		H	2014
		J	2015
		K	2016
		M	2017
		N	2018
		R	2019
4	Product Type	X	DVM S
		S	DVM Chiller
5	Product Notation	V	DVM Essential/ DVM S/ DVM S High/ DVM Chiller
		W	DVM S Water
		M	DVM S Eco
6	Feature	A	Standard + General Temp.+ Module
		H	High EER + Low Temp + Module
		G	High EER + General Temp. + Module
		D	Standard + General Temp.+ Non-Module
7	Rating Voltage	E	1Ø, 220~240V, 50Hz
		G	3Ø, 380~415V, 50Hz
		N	3Ø, 380~415V, 50/60Hz
8	Mode	H	Heat Pump
		R	Heat Recovery

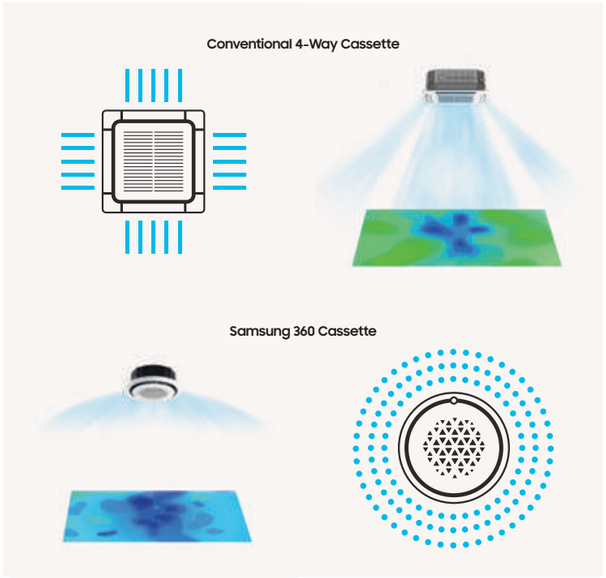
Featured Products

360 Cassette

Circular Airflow

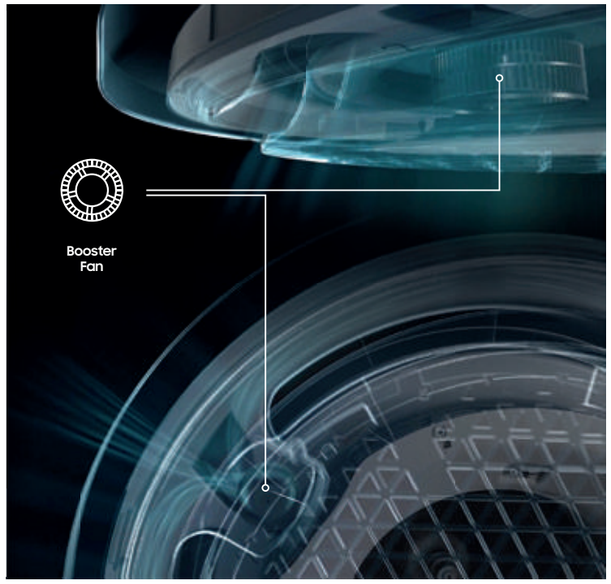
Unlike traditional 4-Way cassette units[1], which create areas of uneven airflow[2], the 360 Cassette ensures that cool air reaches every single corner. Its circular outlet blows cool air in every direction. The bladeless design keeps things comfortably cool without a cold draft[3], and with zero blades blocking airflow, it sends 25% more air even further[1].

1 Samsung testing compares the 360 Casette to a general 4-Way cassette type air conditioner
2 The temperature difference is less than 0.6°C within a 9.3m radius
3 No cold draft between 0-1.5m in height (with a 14.0kW indoor unit) within a 5m radius, no



LED Display

The unit features a stylish panel and an intuitive LED display. This allows users to choose and change the direction of airflow. Users have a choice of settings, and controlling the air in an individual zone is easy.



Airflow Control

The air supply is easily adjusted without the use of flaps. Three booster fans work to deviate the direction of airflow from within the cassette's hollow space. A rain-like distribution of the air (known as the 'coanda' effect) keeps the room cool and comfortable at all times.

Stylish Design

The 360 Cassette adds a touch of style to any room. It comes in black or white, in a square or circular design, and can be fitted within the ceiling or exposed on any material. Place it anywhere from wood, to concrete, to wallpaper or paint.

→ For VRF (DVM) please see: Page 2.52

General

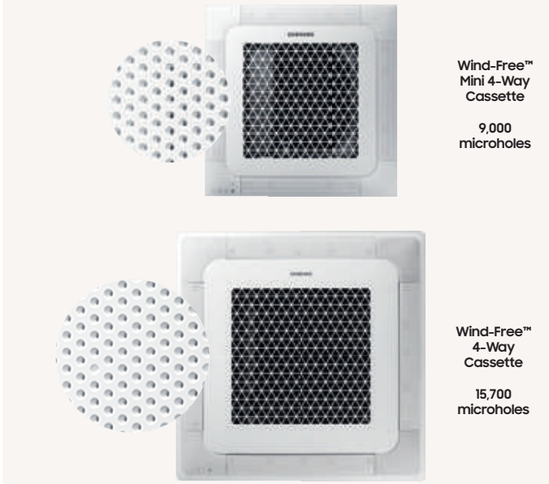
Featured Products

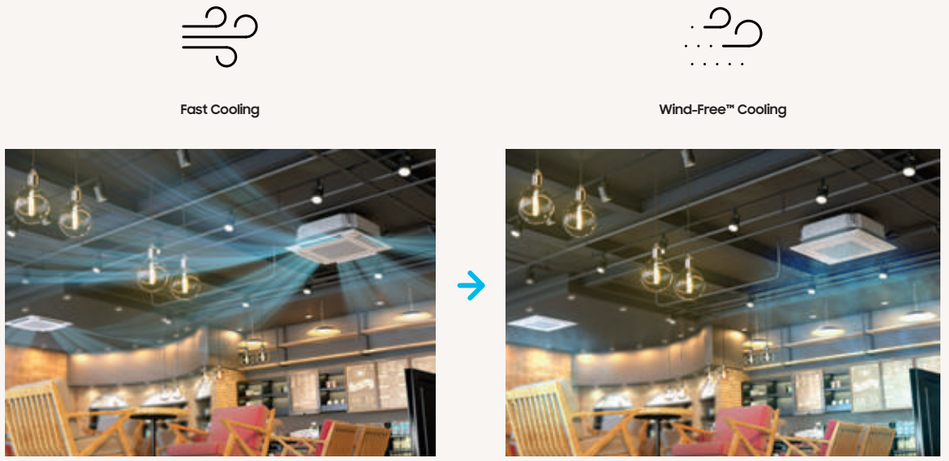
Wind-Free™ 4-Way & Mini 4-Way Cassette

Wind-Free™ Technology

Wind-Free™ Cooling is some of Samsung's most advanced technology. The Wind-Free™ 4-Way Cassette pushes air out through 15,700 micro holes in the panel, while the Wind-Free™ Mini 4-Way Cassette pushes air through 9,000 micro holes in the panel. These micro holes are paramount in creating a kind of airflow called still air*, which cools the room gradually and noticeably with no draughts.

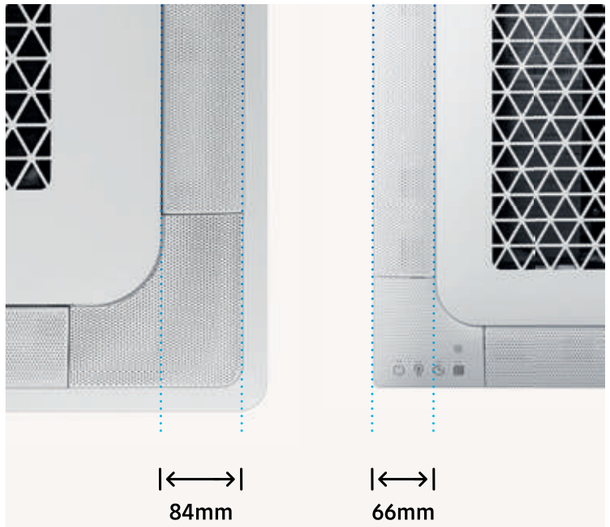
* ASHRAE (American Society of Heating, Refrigeration, and Air-Conditioning Engineers) defines "Still Air" as air currents at speeds below 0.15m/s which lacks the presence of cold drafts.





Smart Comfort Operation

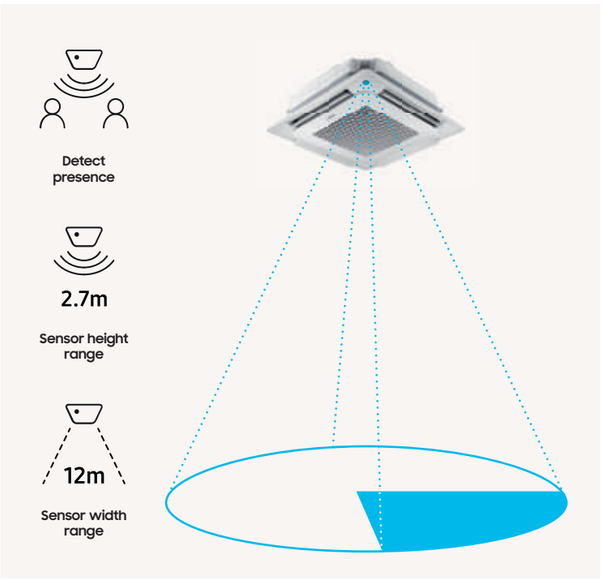
The Wind-Free™ 4-Way Cassette and the Wind-Free™ Mini 4-Way Cassette boast Smart Comfort Operation. The 'Fast Cooling' process helps a room to reach a desired temperature quickly. By simultaneously detecting a room's humidity levels, the Smart Comfort Operation feature maintains the room's temperature automatically.



Optimised Blades

The larger and optimised blades[1] (84mm Wind-Free™ 4-Way Cassette, 66mm Wind-Free™ Mini 4-Way Cassette) enable a wider cooling range and improved air circulation within the room. This advanced technology also cools the space much faster, with no zone left untouched.

1 Samsung testing compares the Wind-FreeTM 4-Way & Mini 4-Way Cassette to a general 4-Way Cassette type air conditioner



Motion Detect Sensor (Optional)

By detecting the presence and location of people in the room, the improved Motion Detect Sensor (MDS) means air cooling is efficient and airflow direction can be managed automatically.

→ For VRF (DVM) please see: Page 2.58

General

Featured Products

Wind-Free™ 1-Way Cassette

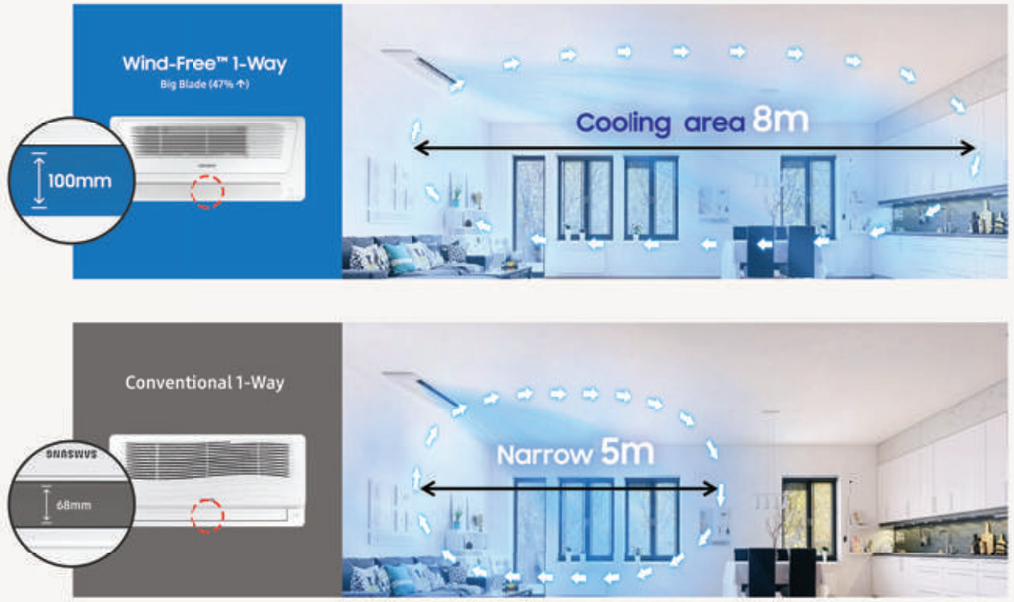
Wind-Free™ Technology

Wind-Free™ Cooling is some of Samsung's most advanced technology. The Wind-Free™ 1-Way Cassette pushes air out through tiny holes in the panel, dispersing a gentle flow of air. These 13,000 micro holes are paramount in creating a kind of airflow called still air*, which cools the room gradually and noticeably with no draughts.

* ASHRAE (American Society of Heating, Refrigeration, and Air-Conditioning Engineers) defines "Still Air" as air currents moving at speeds below 0.15m/s, which lacks the presence of cold draughts

Wind-Free™ 1-Way Cassette

13,000 microholes



Slim Installation/Small Footprint

At a height of only 135mm[1], the Wind-Free™ 1-Way Cassette is a compact and lightweight device (8-13.5kg[2]). This slim design makes it not only visually pleasing, but also easier to install and maintain, and it can be fitted into small of ceiling gaps.

1 Up to 3.6kW, larger models measure 138mm
2 1.7kW & 2.2kW models measure 8kg. 5.6kW & 7.1kW measure 13.5kg

Wider Cooling Range

The larger and optimised blade[1] works to cools a larger area much faster. Its sleek design can deliver cool air efficiently up to 8 m^2 and offers rapid and even cooling, with no zone left untouched.

1 Samsung testing compares the Wind-FreeTM 1-Way Cassette to to a general 1-Way Cassette type air conditioner
2 Based on the 7.1kW indoor unit.

→ For VRF (DVM) please see: Page 2.44

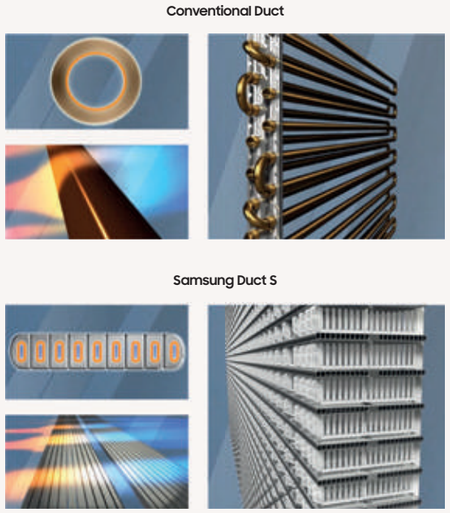
General

Featured Products

Duct S

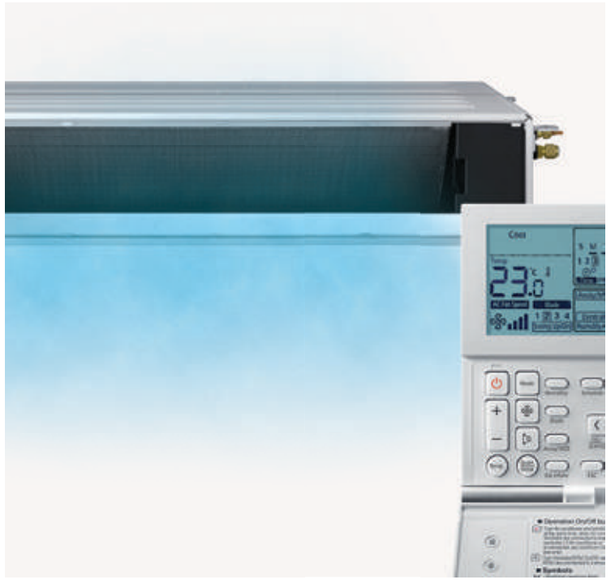
Flat Micro-Channel Heat Evaporator/ Condenser

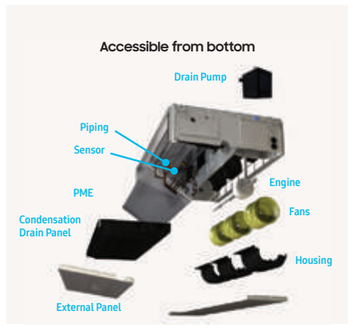
Samsung's innovative FME/FMC technology provides increased efficiency compared with the conventional fin and tube type.
These modern updates have also enabled the unit to be made smaller.

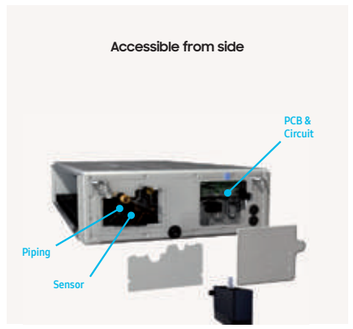


Indoor Discharge Temperature

Each ducted indoor unit, or AHU kit, boasts a discharge air temperature control function, offering greater comfort without the need to change the outdoor unit's setting.
The option to cool or heat can be chosen and maintained using an MWR-WE13N remote control, and applies to all ducted/AHU connected systems.

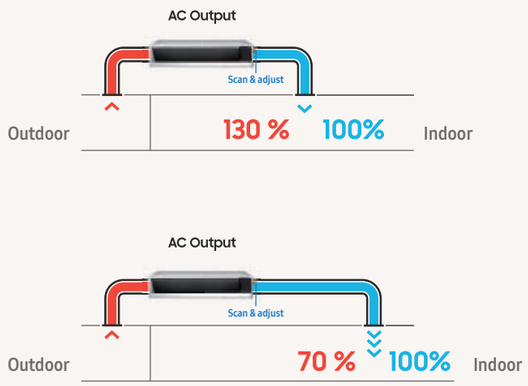






Easy Installation & Maintenance

Thanks to an ultra-compact design, Samsung duct units can be placed anywhere, and can even be split into two parts (18/20/25kW models). This makes for easy installation and maintenance. The indoor unit can be accessed from three different sides: from the top, from the bottom and from one side, making maintenance simpler than ever.



Automatic ESP Setting

You can offer a comprehensive range of products. The right capacity, right ESP, and right-sized product for your customers.

→ For VRF (DVM) please see: Page 2.68

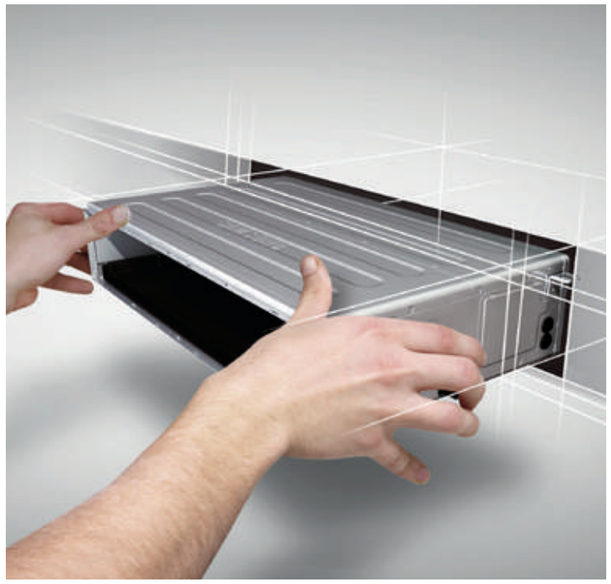
General

Featured Products

Slim Duct S

Slim Design for Small Ceiling Spaces

The width of the Slim Duct S is a slim 200mm, making it much narrower than conventional products. This allows for easy installation and maintenance in all kinds of spaces.



Built-in Drain Pump

A check valve on the drain pump prevents drained water from flowing back into the drain pan, minimising the drain pan's water level. This modern design feature means no water stagnation, and no drain water overflowing into your interiors.

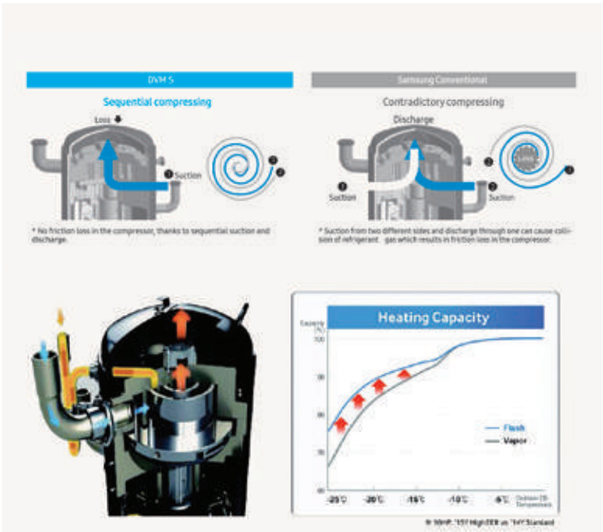
→ For VRF (DVM) please see: Page 2.74

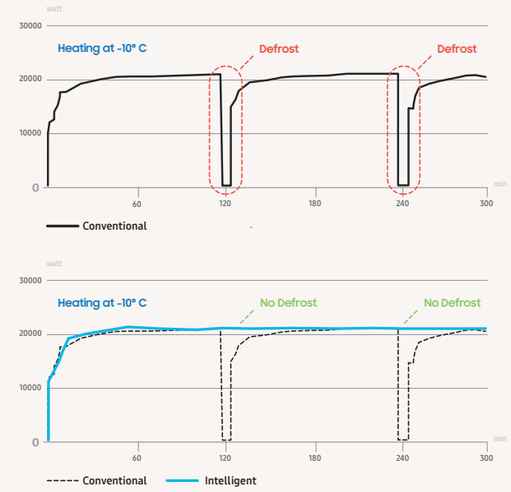
DVM S

Flash Injection - Scroll Compressor

The Samsung asymmetric scroll compressor combines fluid dynamic design with minimum refrigerant loss during compression. Thanks to advanced refrigerant control technology, Samsung's flash injection extends its heating operation range at -25°C by increasing refrigerant flow by 32%*, meaning maximum performance at all times. Even at lower temperatures, DVM S continues to perform, delivering reliable comfort in challenging conditions.

* Compared to Samsung vapour injection technology.





Intelligent Defrost

When humidity levels are low, a unit can often take longer than normal to activate a defrost operation. When a system operates at a lower performance level, faults may arise. In order to prevent such issues, and to help maintain the desired indoor temperature, 'Intelligent Defrost' performs a periodic defrost operation.

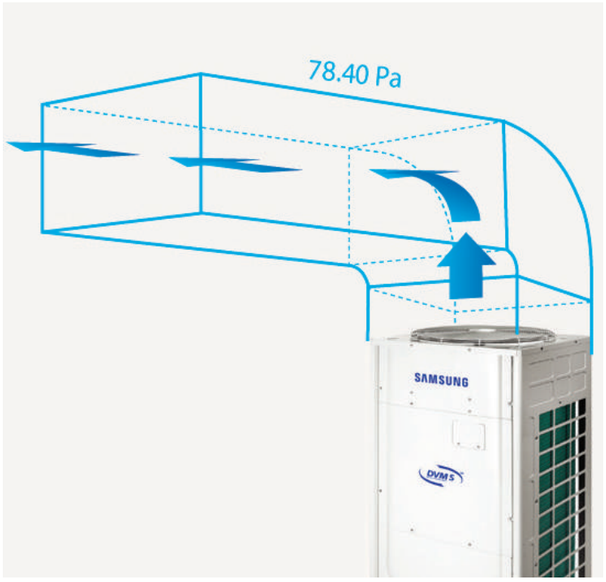
→ For Heat Pump please see: Page 2.12
→ For Heat Recovery please see: Page 2.32

Featured Products

DVM S

External Static Pressure

DVM S is designed to manage high external static pressures up to 78Pa. This resilient build and design can help in situations involving difficult or complex installation conditions.

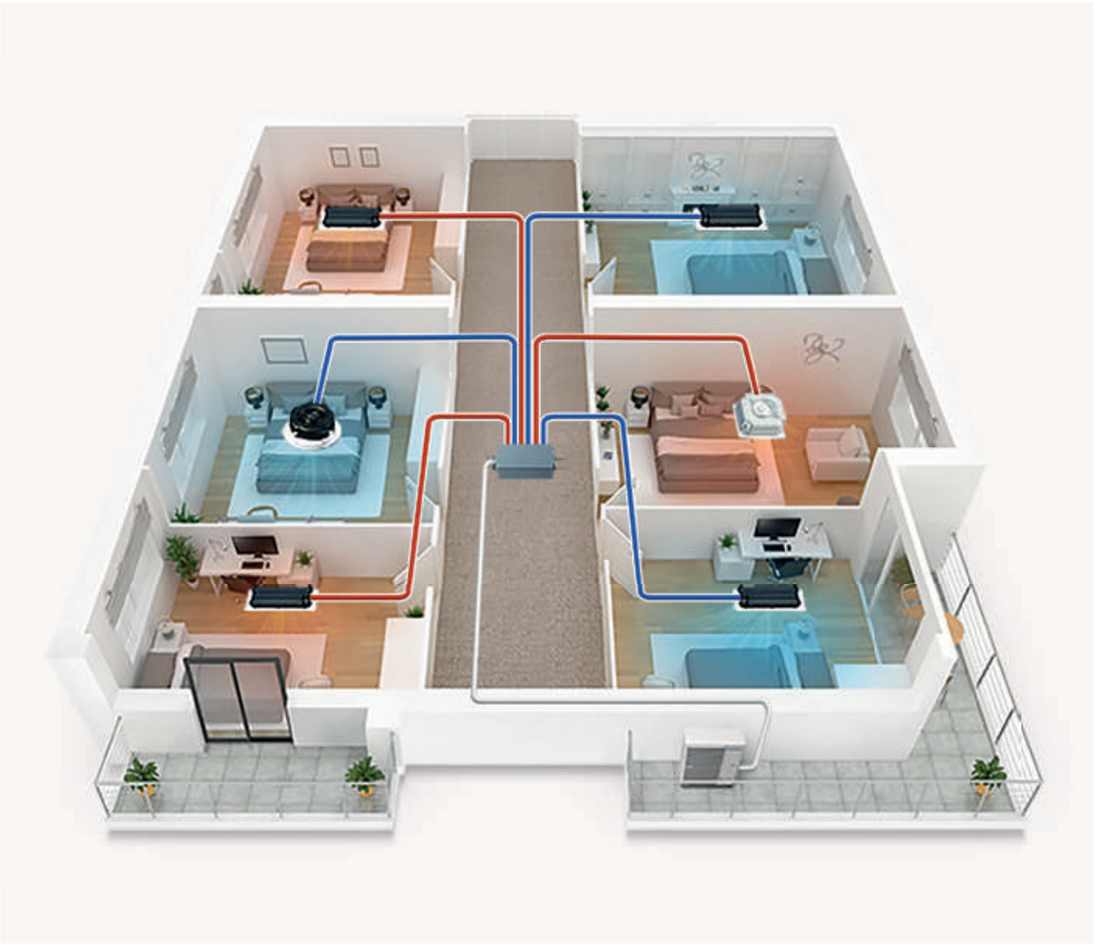


Mode Control Unit

An indoor unit connects to a 3-pipe Heat Recovery outdoor unit, which heats and cools independently using a Mode Control Unit (MCU). MCUs are available from 2 to 6 port configurations and can be piped together. This allows for up to 80 indoor unit connections to a single DVM S system (where specifications allow).

→ For Heat Pump please see: Page 2.12
→ For Heat Recovery please see: Page 2.32

DVM S Eco Heat Recovery



Compact Heat Recovery Solution

DVM S Eco Heat Recovery (HR) is designed to control temperatures in multiple spaces at once. Optimised for small hotels and residential buildings, it can provide cooling and heating for up to 10 indoor units simultaneously. An HR Changer is used to convert a DVM S Eco Heat Pump (4, 5 & 6HP) to a Heat Recovery (HR) model, which can be connected to a 6-port Mode Control Unit (MCU). The maximum indoor unit capacity per MCU port is 5.6kW.

→ Please see: Page 2.28

Featured Products

DVM S Water

Optimal Water Flow Controller

The DVM S Water's built-in Water Flow Controller helps control the amount of water used to cool and heat an outdoor unit. The optimum flow of water is automatically determined by the temperature of the indoor space, making for minimum energy consumption at optimum standards, and reduced costs. And because this feature is standard, there is no need for a separate water flow control kit.

Geothermal Applications

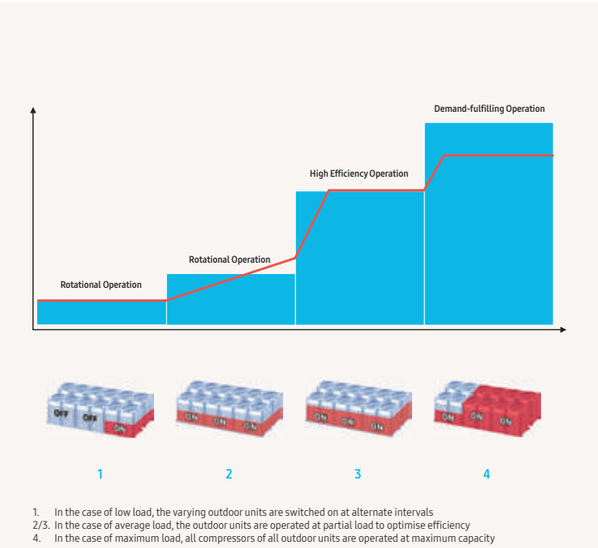
Using a highly efficient compressor and heat exchanger, DVM S Water gives an effective and reliable performance, despite changes to its environment. DVM S Water makes water a source for heat exchange, and can be connected to various applications such as cooling towers, boilers, geothermal loops, lakes, ponds, soil, seawater and more. Its long piping and lightweight design make it easy and economical to install almost anywhere.

→ Please see: Page 2.38

DVM Chiller

Modular Function

DVM Chiller outdoor units are available in three different sizes: 42/56/65 kW. A maximum of 16 outdoor units can be connected to reach a maximum capacity of 1,040 kW. By connecting multiple units within a single system, the workload is adjusted automatically for maximum efficiency.



1. In the case of low load, the varying outdoor units are switched on at alternate intervals
2/3. In the case of average load, the outdoor units are operated at partial load to optimise efficiency
4. In the case of maximum load, all compressors of all outdoor units are operated at maximum capacity

Local & Centralised Controls

The DVM Chiller utilises the same integrated control systems as a VRF system, and can be connected to a third-party Building Management System (BMS)*. With the use of the Fan Coil Unit (FCU) kit, third-party indoor units and control systems can also be connected. Control and maintenance is easy with the use of the Samsung DMS 2.5.

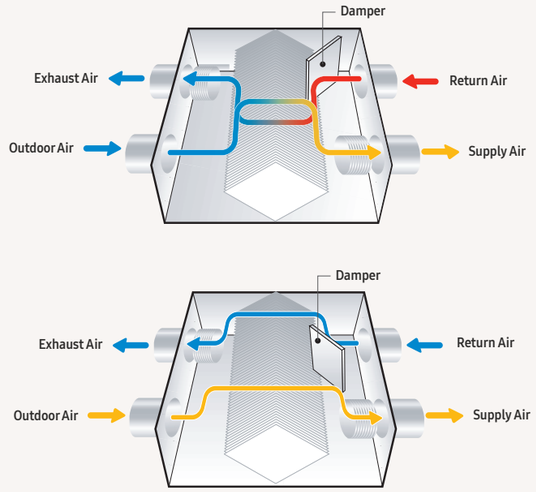
→ Please see: Page 3.14

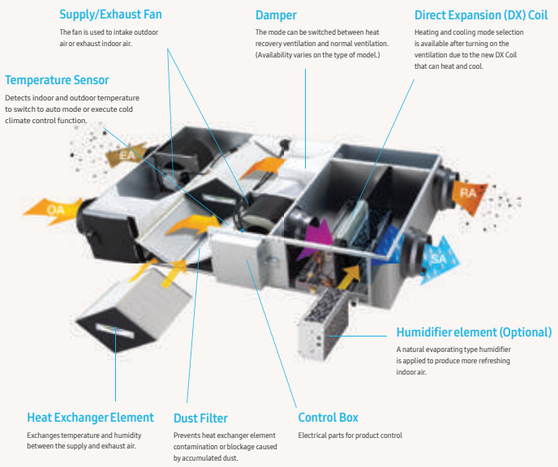
Featured Products

ERV & ERV Plus

Smart Cooling - Auto Mode

To conserve energy and remain cost-effective, the ERV and ERV Plus (for DVM) both change operation modes automatically, depending on the indoor and outdoor temperatures. The ERV Plus (DVM only) is equipped with a direct expansion coil, which brings fresh outside air through the DX coil and into your space. It can heat or cool a room and keep it at your desired temperature.





Fresh Air & Humidity

The ERV sends fresh air into a room automatically by detecting CO_2 with the CO_2 sensor* (optional). It's simple to maintain the perfect indoor humidity level with an optional humidifier*. The Samsung humidifier kit balances moisture levels effectively, and the ERV's self-cleaning function sprays water from the top of the device upon operation, preventing any offensive odours caused by particle accumulation.

* CO_2 sensor and humidifier must be purchased separately

→ For ERV please see: Page 4.02
→ For ERV Plus please see: Page 4.06

Air Handling Unit (AHU) Kit

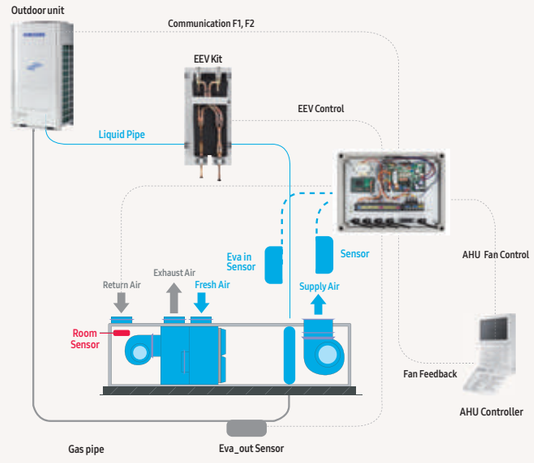
Connect to Third-Party Air Handling Units

The Samsung AHU kit allows the connection of DVM S outdoor units to third-party air handling units (AHUs)*. This means the unit provides improved performance and efficiency while being cost-effective.

Features include:

- IP54 waterproof certification
- Variable capacity
- 2.5 HP - 40 HP
- Simple BMS application (0-10V, MXD-K/X Series)
- Discharge air temperature control

* Please check with your local Samsung contact person for more information.



→ Please see: Page 2.146

General

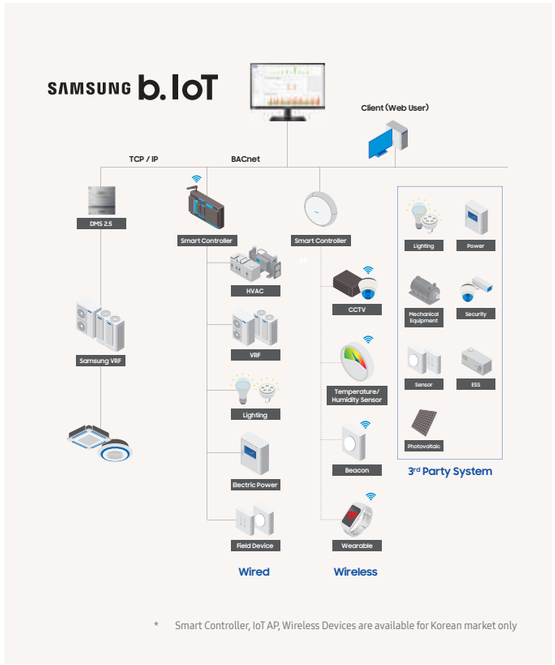
Featured Products

b.IoT

Samsung b.IoT (building Internet of Things) is a building management solution that can efficiently manage and save energy. It is an open platform with expandability and compatibility options, which enables integrated control of the facility's major systems, such as VRF and third-party party devices via BACnet interface.

Samsung b.IoT helps to ensure:

- Efficient installation periods
- Reductions in installation and operation costs
- Optimal energy efficiency
- Efficient management of integrated systems installed in the building - VRF



* Smart Controller, IoT AP, Wireless Devices are available for Korean market only

Samsung b.IoT provides:

Open Platform

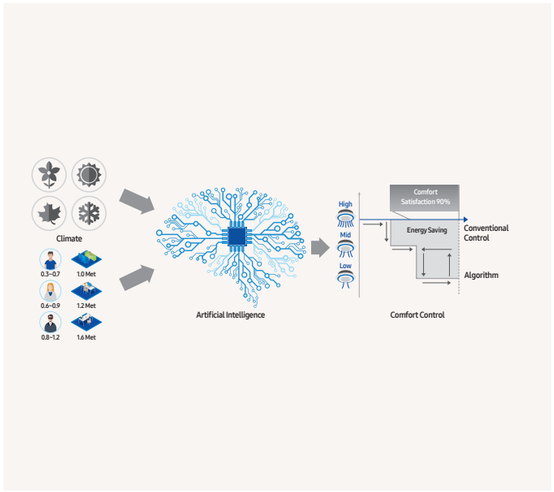
- Supports Open Protocol (BACnet) and API for integration of various devices.
- Integrates various sensors and devices wirelessly via IoT gateway.

Easy and Smart Operation

- Optimal operation for Samsung VRF (DVM) products
- Intuitive Graphic UI & convenient rules editor for various solutions
- Trends & alarm lookup

Intelligent Energy Saving Algorithms

- Data-Based Comfort Control – Comfort based on user-specific algorithms
- Learning-Based Control – Optimised control by artificial intelligence (AI)
- Occupancy-Based Control – Lighting, humidity & temperature
- Inefficient Operation Detection – Time, space & temperature



Effective Energy Usage Management

- Energy Usage Analysis
- Hybrid (HVAC+VRF) energy consumption distribution

General

VRF

Line-up Outdoor

	Model	Image	Capacity (HP) 4	5	6	8	10	12	14	16	18	20	22	24	26	30
Heat Pump	DVM S Eco Heat Pump		●	●		●	●	●	●							
	DVM S Essential Heat Pump (2-Pipe)						●	●	●	●	●					
	DVM S Standard Heat Pump (2-Pipe)					●	●	●	●	●	●	●	●	●	●	
	DVM S High EER Heat Pump (2-Pipe)					●	●	●	●	●	●	●	●	●	●	
Heat Recovery	DVM S Eco Heat Recovery (With Heat Recovery Changer Kit)		●	●	●											
	DVM S High EER Heat Recovery (3-Pipe)					●	●	●	●	●	●	●	●	●	●	
Air to Air/Water	DVM S Water					●	●	●				●				●

Line-up Indoor

Model	Image	Capacity (kW)										
		1,5	1,7	2,2	2,8	3,2	3,6	4,5	5,6	6	7,1	8,2
Wind-Free™ 1-Way Cassette			●	●	●		●	●	●		●	
2-Way Cassette									●		●	
360 Cassette								●	●		●	
Wind-Free™ Mini 4-Way Cassette (600x600)		●		●	●		●	●	●	●		
Wind-Free 4-Way Cassette								●	●		●	
LSP Slim Duct			●	●	●		●	●	●		●	
MSP Duct S							●	●	●		●	
MSP Duct				●	●		●	●	●		●	
HSP Duct												
OAP Duct												
Big Duct												
ERV Plus												
Floor/Ceiling									●		●	
Big Ceiling												
Console				●	●		●	●	●			
Floor-Standing (Concealed)							●		●		●	
Concealed Floor Standing High Static Pressure							●		●		●	
Packaged Floor-Standing												
Boracay Wall-Mounted		●		●	●		●	●	●		●	
Boracay Wall-Mounted (with EEV)		●		●	●		●	●	●		●	
AR5000 Wall-Mounted		●		●	●		●	●	●		●	●
AR5000 Wall-Mounted (with EEV)		●		●	●		●	●	●		●	●
MAX Wall-Mounted												
Hydro Unit HE												
Hydro Unit HT												

9	11,2	12,8	14	16	18	20	22	25	28	32	50	500 cmh	1000cmh
●	●	●	●										
●	●	●	●										
●	●	●	●										
●	●	●	●										
●	●												
	●	●	●				●		●				
			●				●		●				
					●		●						
												●	●
	●		●										
●													
				●						●	●		
				●				●					

VRF

Specifications

DVM S Eco Heat Pump

Model Name				AM040KXMDEH/EU	AM050KXMDEH/EU	AM080MXMDGH/EU	AM080FXMDGH/EU	AM100KXMDGH/EU	AM120KXMDGH/EU	AM140KXMDGH/EU
Power Supply			Φ, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Performance	HP		HP	4	5	8	8	10	12	14
	Capacity	Cooling	kW	12.1	14	22.4	22.4	28	33.5	40
		Heating	kW	12.1	14	22.4	25	31.5	37.5	45
	Maximum number of connectable indoor units		EA	6	8	13	13	18	21	26
	Total capacity of the connected Indoor Units	Min.	kW	5.6	7	11.2	11.2	14	16.8	20
		Max.	kW	15.7	18.2	29.1	29.1	36.4	43.6	52
Power	Power Input	Cooling	kW	3.6	4	6.9	5.72	7.29	8.77	10.59
		Heating		2.9	3.4	5.8	4.88	6.74	7.81	9.88
	Current Input	Cooling	A	17.5	19.5	11.7	9.66	11.51	13.74	16.48
		Heating		14	16.5	9.5	8.24	10.58	12.23	15.55
	Current	Minimum Ssc value	MVA	-	-	3.4	3.4	4.6	5.1	5.9
		MCA	A	24	27	18.4	18	21.5	23.5	32
		MFA	A	32	40	25	25	30	30	40
Energy Efficiency 1)	EER	Cooling	W/W	3.36	3.5	3.25	3.92	3.84	3.82	3.78
	COP	Heating	W/W	4.17	4.12	3.86	5.12	4.67	4.79	4.55
	ESEER		W/W	7.25	6.71	7.46	9.22	7.09	6.94	6.83
Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll
	Output		kW × n	4.12	4.12	4,92 x 1	4,96 x1	5,18 x 1	6,39 x 1	6,76 x 1
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE	PVE
		Initial Charge	cc	1700	1700	1700	2800	2300	2300	2300
Fan	Type Discharge direction		-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
			-	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
	Quantity		EA	1	1	2	2	2	2	2
	Air Flow Rate		m³/min	64	70	135	135	165	166	180
			l/s	1067	1167	2250	2250	2750	2766.67	3000
	External Static Pressure	Max.	mmAq	3	3	3	3	3	3	3
			Pa	29.4	29.4	29.4	29.4	29.4	29.4	29.4
Fan Motor	Model		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W	125 x 1	139 x 1	139 x 2	139 x 2	244 x 2	244 x 2	244 x 2
Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52	9.52	9.52	9.52	12.7	12.7
			Φ, inch	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"
	Gas Pipe		Φ, mm	15.88	15.88	19.05	19.05	22.22	28.58	28.58
			Φ, inch	5/8"	5/8"	3/4"	3/4"	7/8"	1 1/8"	1 1/8"
	Piping length (ODU-IDU)	Max. [Equiv.]	m	50 (65)	50 (65)	100 (130)	100 (130)	160 (185)	160 (185)	160 (185)
	Piping length (1st Branch-IDU)	Max.	m	40	40	40	40	40	40	40
	Total piping length (System)	Max.	m	150	150	300	300	300	300	300
	Level difference (Outdoor in highest position)	Max.	m	30	30	30	30	50	50	50
	Level difference (Indoor in highest position)	Max.	m	25	25	30	30	40	40	40
	Level difference (IDU-IDU)	Max.	m	15	15	30	30	50	50	50
Wiring connections	Communication	Minimum	mm²	0.75	0.75	0.75	0.75	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2	F1,F2	F1,F2	F1,F2	F1,F2
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging		kg / tCO2e	2.0 / 4.18	2.5 / 5.22	3.7 / 7.73	3.7 / 7.73	3.7 / 7.73	4.3 / 8.98	4.8 / 10.02
Noise Level 2)	Sound Pressure	Cooling	dB(A)	52	55	59	56	58	59	62
		Heating	dB(A)	54	57	59	58	60	61	64
	Sound Power		dBA	73	75	77	74	74	76	79
External Dimensions	Net Weight		kg	79	83.5	115	135	145	155	162
	Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 52.0	-5.0 ~ 52.0	-5.0 ~ 52.0
	Heating		℃	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

1 - Performances are based on the following test conditions:
- Cooling: Indoor temperature : 27°C DB, 19°C WB, Outdoor temperature : 35°C DB, 24°C WB,
- Heating: Indoor temperature : 20°C DB, 15°C WB, Outdoor temperature : 7°C DB, 6°C WB
- Equivalent refrigerant piping : 7.5m, Level differences : 0m

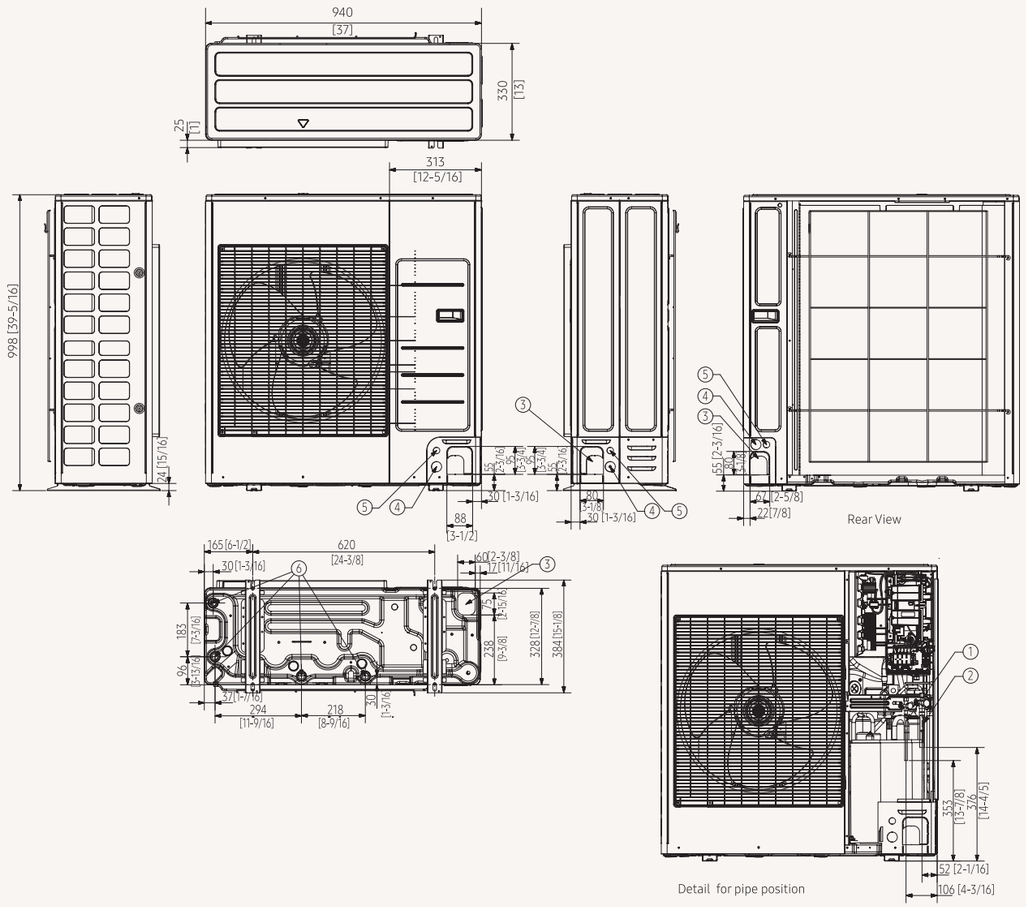
2-Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation condition. Sound power level is an absolute value that a sound source generates.

VRF

Dimensional Drawings

DVM S Eco Heat Pump

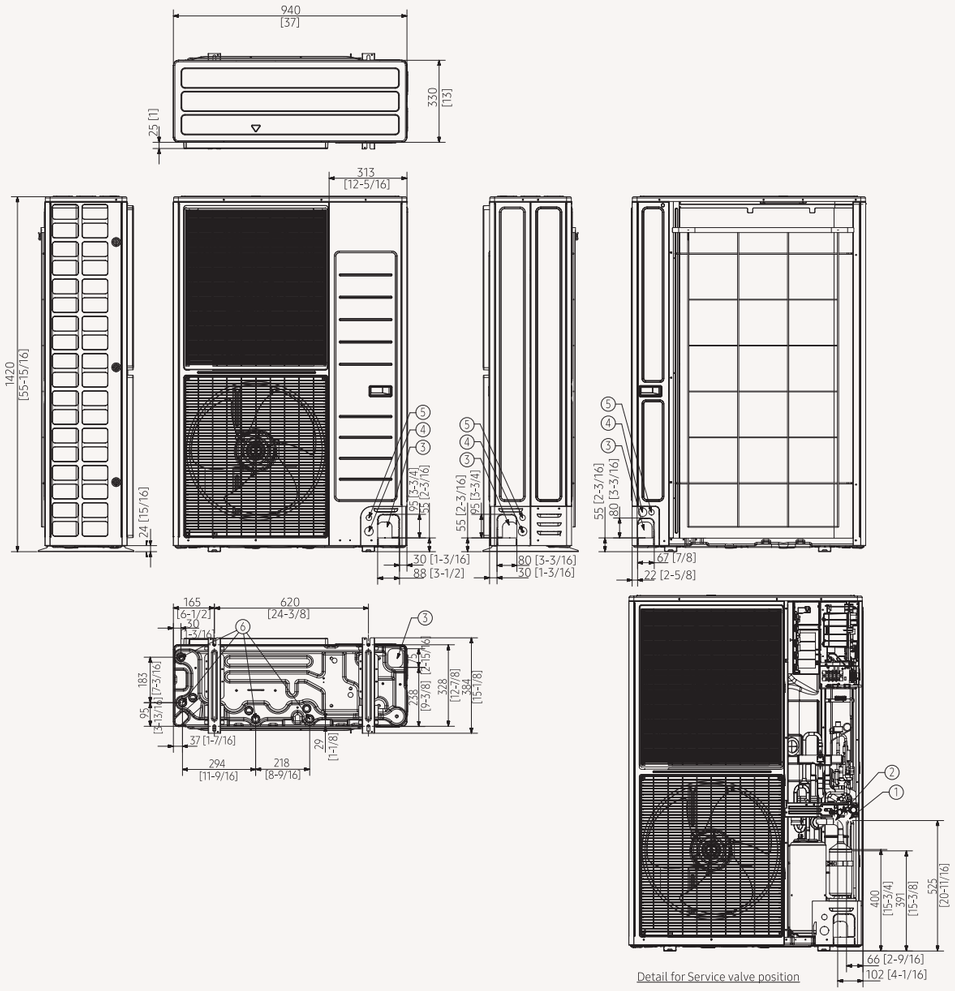
AM040KXMDEH/EU, AM050KXMDE



NO	Name	Description
		4/5HP
1	Refrigerant liquid pipe	Φ9.52 (Φ3/8)
2	Refrigerant gas pipe	Φ15.88 (Φ5/8)
3	Knockout hole for pipe intake	Front / Side / Rear / Bottom
4	Power wiring conduits	Front / Side / Rear, Φ34 (Φ1-3/8)
5	Communication wiring conduits	Front / Side / Rear, Φ22 (Φ7/8)
6	Drain holes	Connect with the provided drain plug.

DVM S Eco Heat Pump

AM080*XMDGH/EU

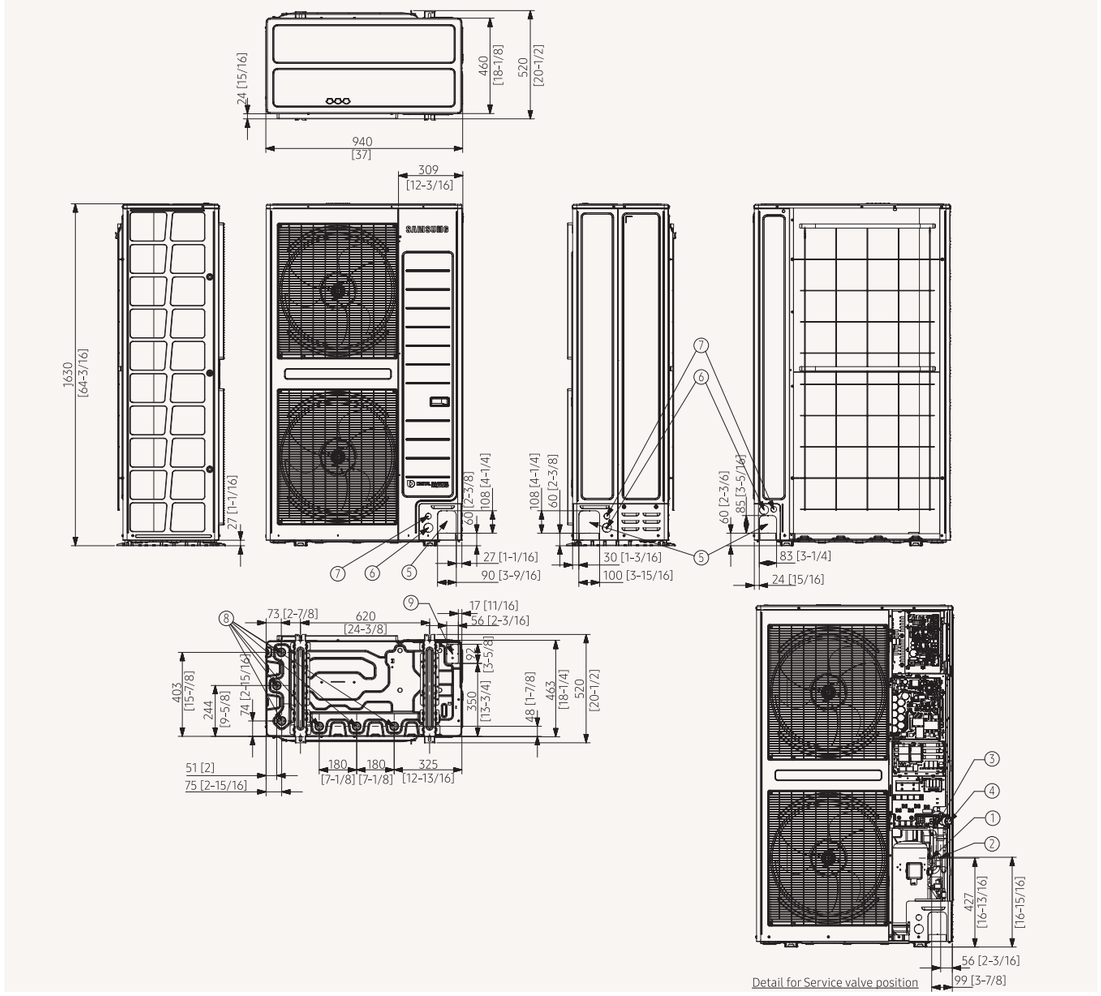


NO	Name	Description
		8HP
1	Refrigerant gas pipe	Φ19.05 (Φ3/4)
2	Refrigerant liquid pipe	Φ9.52 (Φ3/8)
3	Knockout hole for pipe intake	Front / Side / Rear / Bottom
4	Power wiring conduits	Front / Side / Rear, Φ34 (Φ1-3/8)
5	Communication wiring conduits	Front / Side / Rear, Φ22 (Φ7/8)
6	Drain holes	Connect with the provided drain plug.

Dimensional Drawings

DVM S Eco Heat Pump

AM100KXMDGH/EU, AM120KXMDGH/EU, AM140KXMDGH/EU



NO	Name	Description	
		10HP	12/14HP
1	Refrigerant liquid pipe	Φ9.52 (Φ3/8)	Φ12.7 (Φ1/2)
2	Refrigerant gas pipe	Φ22.28 (Φ5/8)	Φ28.58 (Φ3/4)
3	Service Valve (Gas)	-	
4	Service Valve (Liquid)	-	
5	Knockout hole for pipe intake	Front / Side / Rear	
6	Power wiring conduits	Front / Side / Rear, Φ44 (Φ1-3/4)	
7	Communication wiring conduits	Front / Side / Rear, Φ28 (Φ1-1/8)	
8	Drain holes	Connect with the provided drain plug.	
9	Knockout hole for pipe intake	Bottom	

VRF

Specifications

DVM S Essential Heat Pump (2-Pipe)

Model Name				AM100MXVDGH/ET	AM120MXVDGH/ET	AM140MXVDGH/ET	AM160MXVDGH/ET	AM180MXVDGH/ET
Power Supply			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Performance	HP		HP	10	12	14	16	18
	Capacity	Cooling(Rated)	kW	28	33,6	40	45	50,4
		Heating(Rated)		28	33,6	40	45	50,4
		Heating(Max)		31,5	37,8	45	50,4	56,7
	Maximum number of connectable indoor units		EA	18	21	26	29	32
	Total capacity of the connected Indoor Units	Min.	kW	14	16,8	20	22,5	25,2
		Max.		36,4	43,7	52	58,5	65,5
Power	Power Input	Cooling(Rated)	kW	7,18	9,36	12,42	13,8	16
		Heating(Rated)		6,67	8,2	9,9	11,28	13,16
		Heating(Max)		7,99	9,82	11,86	13,51	15,77
	Current Input	Cooling(Rated)	A	11,5	15	19,9	22,1	25,7
		Heating(Rated)		10,7	13,2	15,9	18,1	21,1
		Heating(Max)		12,8	15,8	19	21,7	25,3
	Current	Minimum Ssc	MVA	4,5	5,3	5,4	7,2	8,8
		MCA	A	21,1	25	25	32	39,2
		MFA		32	32	32	40	50
Efficiency	EER	Cooling(Rated)	W/W	3,9	3,59	3,22	3,26	3,15
	COP	Heating(Rated)	W/W	4,2	4,1	4,04	3,99	3,83
	ESEER		W/W	7,08	6,58	6,60	6,39	5,91
Compressor	Type		-	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1	Inverter Scroll x 1
	Output		kW x n	6.39 x 1	6.39 x 1	6.39 x 1	7.81 x 1	7.81 x 1
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE
		Initial charge	cc x n	1,100 x 1	1,100 x 1	1,100 x 1	1,400 x 1	1,400 x 1
Fan	Type		-	Propeller	Propeller	Propeller	Propeller	Propeller
	Discharge direction		-	Vertical	Vertical	Vertical	Vertical	Vertical
	Quantity		EA	1	1	2	2	2
	Air Flow Rate		m3/min	170	220	255	255	290
			l/s	2.833	3.667	4.250	4.250	4.833
	External Static Pressure	Max.	mmAq	8	8	8	8	8
			Pa	78,45	78,45	78,45	78,45	78,45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	830 x 1	830 x 1	620 x 2	620 x 2	620 x 2
Piping Connections	Liquid Pipe		Φ, mm	9,52	12,70	12,70	12,70	15,88
			Φ, inch	3/8"	1/2"	1/2"	1/2"	5/8"
	Gas Pipe		Φ, mm	22,22	28,58	28,58	28,58	28,58
			Φ, inch	7/8"	1-1/8"	1-1/8"	1-1/8"	1-1/8"
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200[220]	200[220]	200[220]	200[220]	200[220]
	Piping length (1st Branch-IDU)	Max.		90	90	90	90	90
	Total piping length (System)	Max.		1.000	1.000	1.000	1.000	1.000
	Level difference (ODU in highest position)	Max.		110	110	110	110	110
	Level difference (IDU in highest position)	Max.		110	110	110	110	110
	Level difference (IDU-IDU)	Max.		50	50	50	50	50
Wiring connections	Transmission Cable	Min.	mm²	0,75	0,75	0,75	0,75	0,75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
	Factory Charging		kg	5,5	6,5	7,7	8,4	8,4
			tCO2e	11,48	13,57	16,08	17,54	17,54
Sound	Sound Pressure	Cooling	dB(A)	58	62	61	63	64
		Heating		60	64	63	67	67
	Sound Power			79	81	81	83	84
External Dimension	Net Weight		kg	197	210	226	253	255
	Net Dimensions (WxHxD)		mm	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
Operating Temp. Range	Cooling		°C	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating			-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

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1- Performances are based on the following test conditions:
- Cooling: Indoor temperature : 27°C DB, 19°C WB, Outdoor temperature : 35°C DB, 24°C WB
- Heating: Indoor temperature : 20°C DB, 15°C WB, Outdoor temperature : 7°C DB, 6°C WB
- Equivalent refrigerant piping : 7.5m, Level differences : 0m

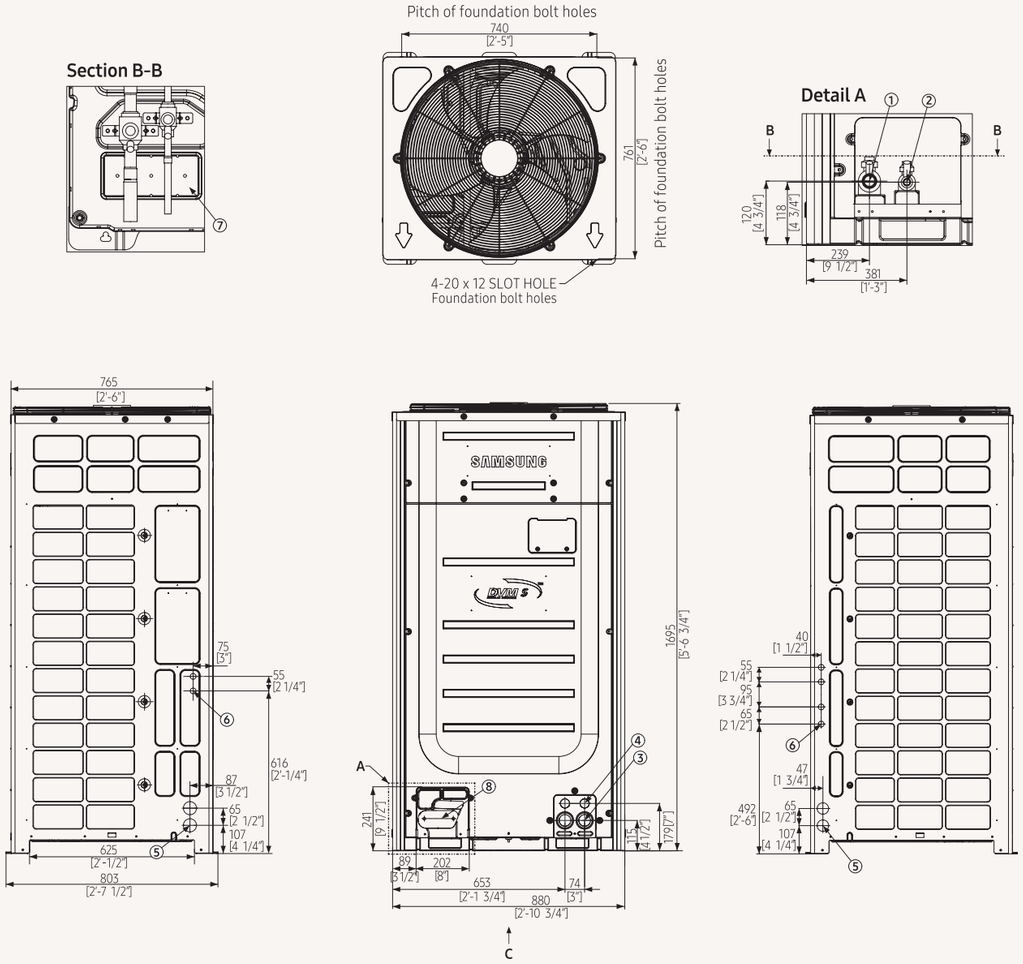
2- Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation condition. Sound power level is an absolute value that a sound source generates.

VRF

Dimensional Drawings

DVM S Essential Heat Pump (2-Pipe)

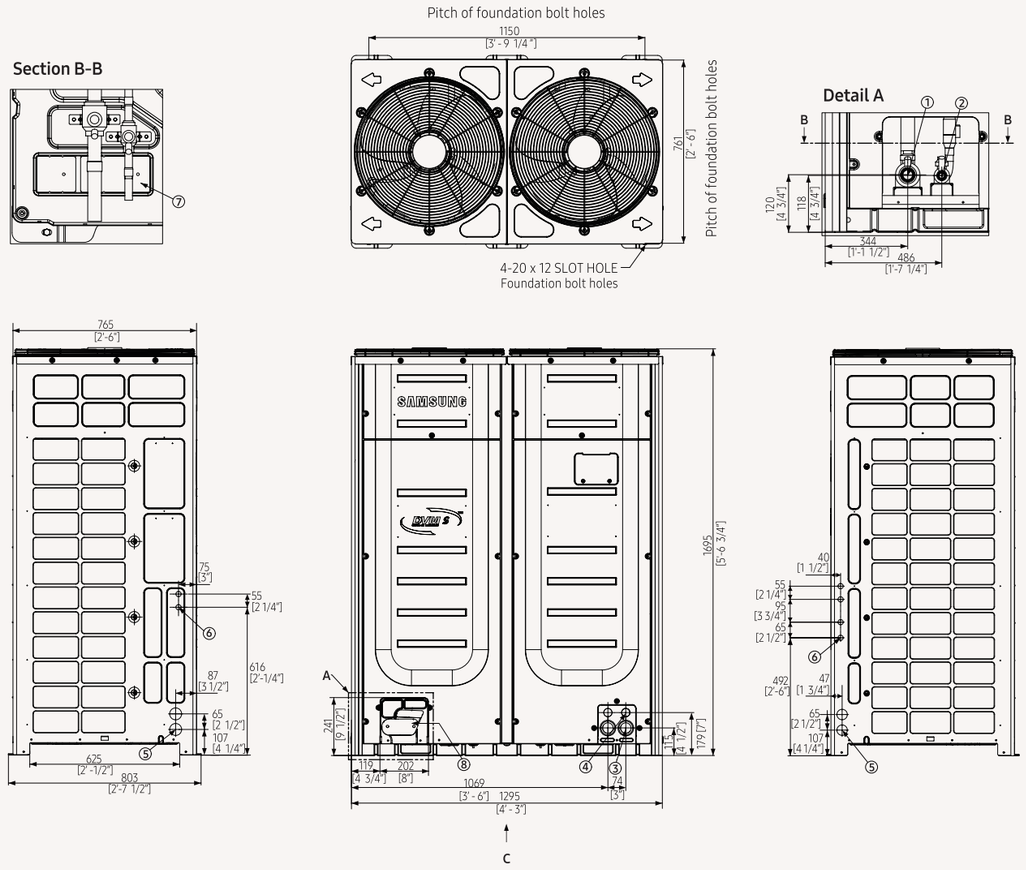
AM100~120MXVDGH



NO	Table of descriptions	Remark
1	Gas Ref. pipe	See note 4.
2	Liquid Ref. pipe	See note 4.
3	Power wiring conduit	Φ44
4	Communication wiring conduit	Φ34

NO	Table of descriptions	Remark
5	Power wiring conduit	Φ44
6	Communication wiring conduit	Φ22
7	Knock-out Hole for Ref. Piping (bottom)	
8	Knock-out Hole for Ref. Piping (front)	

AM140~180MXVDGH



NO	Table of descriptions	Remark
1	Gas Ref. pipe	See note 4.
2	Liquid Ref. pipe	See note 4.
3	Power wiring conduit	Φ44
4	Communication wiring conduit	Φ34

NO	Table of descriptions	Remark
5	Power wiring conduit	Φ44
6	Communication wiring conduit	Φ22
7	Knock-out Hole for Ref. Piping (bottom)	
8	Knock-out Hole for Ref. Piping (front)	

Specifications

DVM S Standard Heat Pump (2-Pipe)




Model Name				AM080JXVAGH/ET	AM100JXVAGH/ET	AM120JXVAGH/ET	AM140KXVAGH/ET	AM160KXVAGH/ET	AM180KXVAGH/ET	AM200KXVAGH/ET	AM220KXVAGH/ET	AM240KXVAGH/ET	AM260KXVAGH/ET
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Performance	HP		HP	8	10	12	14	16	18	20	22	24	26
	Capacity	Cooling	kW	22.4	28.0	33.6	40.0	45.0	50.4	56.0	61,6	67.2	72.8
		Heating	kW	22.4	28.0	33.6	40.0	45.0	50.4	56.0	58,0	67.2	72.8
Maximum number of connectable indoor units			EA	14	18	21	26	29	32	36	40	43	47
Total capacity of the connected Indoor Units		Min.	kW	11.2	14.0	16.8	20.0	22.5	25.2	28.0	30.8	33.6	36.4
		Max.	kW	29.1	36.4	43.7	52.0	58.5	65.5	72.8	80.1	87.4	94.6
Power	Power Input	Cooling	kW	5.0	6.9	8.2	10.9	11.6	13.6	16.2	18,5	21.0	22.5
		Heating	kW	4.5	5.9	7.1	9.0	10.1	10.8	12.2	12,9	14.9	16.5
	Current Input	Cooling	A	8.0	11.0	13.1	17.5	18.7	21.9	26.0	29,7	33.7	36.0
		Heating	A	7.3	9.5	11.4	14.5	16.2	17.3	19.5	20,7	23.9	26.5
	Current	MCA	A	18.0	21.1	25.0	25.0	32.0	39.2	42.0	44,6	55.0	60.0
		MFA	A	25.0	32.0	32.0	32.0	40.0	50.0	63.0	63,0	63.0	75.0
Energy Efficiency 1)	EER	Cooling	W/W	4.48	4.09	4.12	3.66	3.87	3.70	3.45	3,32	3.2	3.2
	COP	Heating	W/W	4.94	4.74	4.71	4.43	4.46	4.68	4.60	4,50	4.5	4.4
Compressor	Output		kW x n	4.39 x 1	6.39 x 1	6.39 x 1	6.39 x 1	7.81 x 1	7.81 x 1	5.18 x 2	6.39 x 2	6.39 x 2	6.39 x 2
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE	PVE	PVE	PVE	PVE
		Initial charge	cc x n	900cc	1100cc	1100cc	1100cc	1400cc	1400cc	1100 x 2cc	1100 x 2cc	1100 x 2cc	1100 x 2cc
Fan	Type		-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Discharge direction		-	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
	Quantity		EA	1	1	1	2	2	2	2	2	2	2
	Air Flow Rate		m³/min	170	170	220	255	255	290	290	290	340	340
			l/s	2833.3	2833.3	3666.7	4250.0	4250.0	4833.3	4833.3	4833,3	5666.7	5666.7
	External Static Pressure	Max.	mmAq	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8,0	8.0	8.0
			Pa	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78,5	78.5	78.5
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	830.0 x 1	830.0 x 1	830.0 x 1	620 x 2	620 x 2	620 x 2	620 x 2	620 x 2	620 x 2	620 x 2
Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52	12.70	12.70	12.70	15.88	15.88	15,88	15.88	19.05
			Φ, inch	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"
	Gas Pipe		Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	28.58	28,58	34.92	34.92
			Φ, inch	3/4"	7/8"	1+1/8"	1+1/8"	1+1/8"	1+1/8"	1+1/8"	1+1/8"	1+3/8"	1+3/8"
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200[220]	200[220]	200[220]	200[220]	200[220]	200[220]	200[220]	200[220]	200[220]	200[220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90	90	90	90	90	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110	110	110	110	110	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110	110	110	110	110	110	110	110
	Level difference (IDU-IDU)	Max.	m	50	50	50	50	50	50	50	50	50	50
Wiring connections	Transmission Cable		mm²	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
	Remark		-	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging		kg	5.5	5.5	6.5	7.7	8.4	8.4	8.4	8,4	14.0	14.0
			tCO2e	11.5	11.5	13.6	16.1	17.5	17.5	17.5	17,5	29.2	29.2
Noise Level 2)	Sound Pressure	Cooling	dB(A)	57.0	58.0	62.0	61.0	63.0	64.0	65.0	65,0	66.0	66.0
		Heating	dB(A)	59	60	64	63	67	67	67	67	69	69
	Sound Power		dB(A)	77.0	79.0	81.0	81.0	83.0	84.0	87.0	89,0	89.0	89.0
External Dimensions	Net Weight		kg	186.0	197.0	210.0	226.0	253.0	255.0	282.0	290,0	342.0	350.0
	Net Dimensions (WxHxD)		mm	878 x 1,695 x 765	878 x 1,695 x 765	878 x 1,695 x 765	1291 x 1695 x 765	1291 x 1695 x 765	1291 x 1695 x 765	1291 x 1695 x 765	1291 x 1695 x 765	1291 x 1795 x 765	1291 x 1795 x 765
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

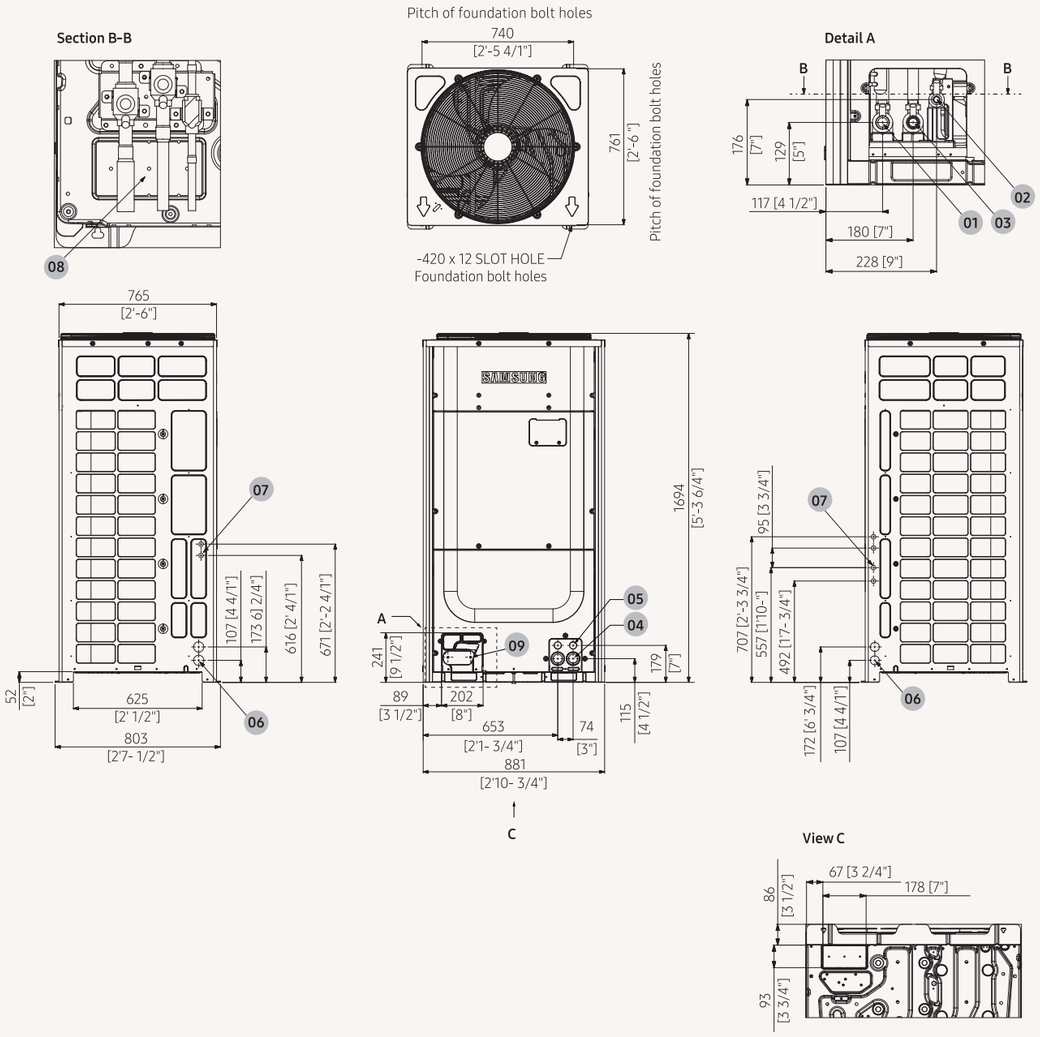
1- Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, level differences 0m

2- Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation condition. Sound power level is an absolute value that a sound source generates.

Dimensional Drawings

DVM S Standard Heat Pump (2-Pipe)

AM080/100/120JXVAGH

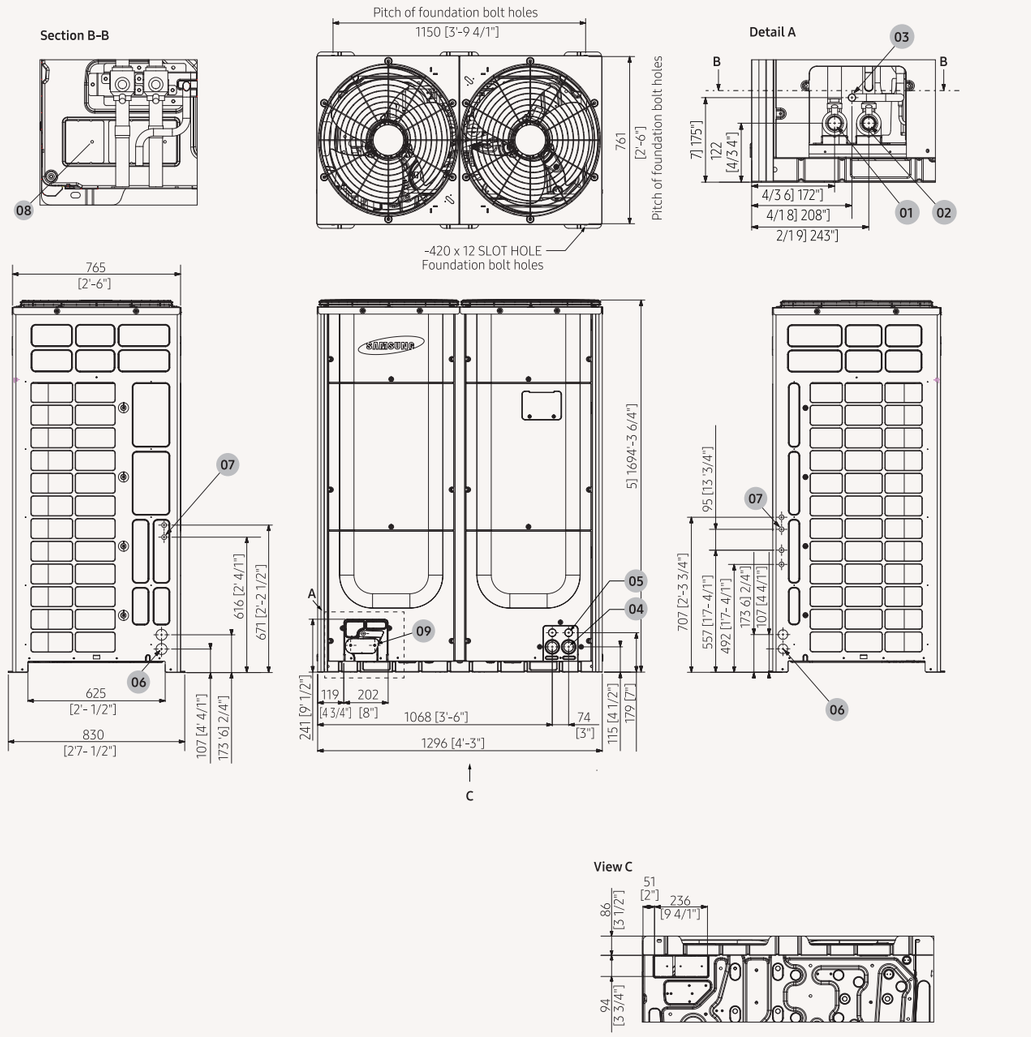


NO	Name	Description
1	Low Pressure Gas Ref. pipe	See note 4
2	High Pressure Gas Ref. pipe	See note 4
3	Liquid Ref. pipe	See note 4
4	Power wiring conduit	Φ44
5	Communication wiring conduit	Φ34

NO	Name	Description
6	Power wiring conduit	Φ44
7	Communication wiring conduit	Φ22
8	Knock-out hole for Ref. piping (bottom)	-
9	Knock-out hole for Ref. piping (front)	-

1. Detail A and SECTION B-B indicate the dimension after fixing the attached piping.
2. Item 4-9 : Knock-out hole.
3. View C indicate the dimension of kock-out hole(bottom).
4. Pipe [Φ, mm(inch)] : Brazing connection

AM140/160/180/200/220KXVAGH



NO	Name	Description
1	Low Pressure Gas Ref. pipe	See note 4
2	High Pressure Gas Ref. pipe	See note 4
3	Liquid Ref. pipe	See note 4
4	Power wiring conduit	Φ44
5	Communication wiring conduit	Φ34

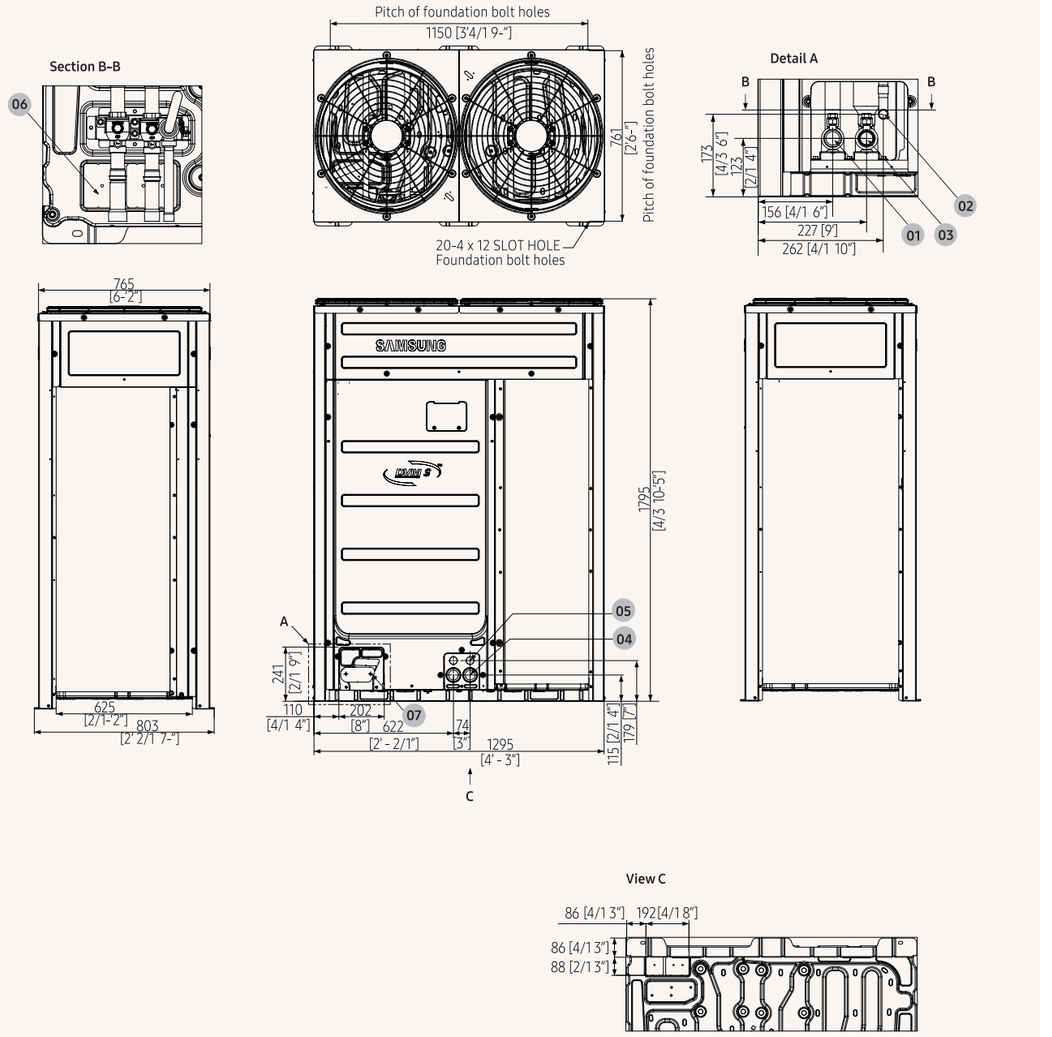
NO	Name	Description
6	Power wiring conduit	Φ44
7	Communication wiring conduit	Φ22
8	Knock-out hole for Ref. piping (bottom)	-
9	Knock-out hole for Ref. piping (front)	-

1. Detail A and SECTION B-B indicate the dimension after fixing the attached piping.
2. Item 4-9 : Knock-out hole.
3. View C indicate the dimension of kock-out hole(bottom).
4. Pipe [Φ, mm(inch)] : Brazing connection

Dimensional Drawings

DVM S Standard Heat Pump (2-Pipe)

AM240/260KXVAGH



NO	Name	Description
1	Low Pressure Gas Ref. pipe	See note 4
2	High Pressure Gas Ref. pipe	See note 4
3	Liquid Ref. pipe	See note 4
4	Power wiring conduit	Φ44

NO	Name	Description
5	Communication wiring conduit	Φ34
6	Knock-out hole for Ref. piping (bottom)	-
7	Knock-out hole for Ref. piping (front)	-

1. Detail A and SECTION B-B indicate the dimension after fixing the attached piping.
2. Item 4-7 : Knock-out hole.
3. View C indicate the dimension of kock-out hole(bottom).
4. Pipe [Φ, mm(inch)] : Brazing connection

Specifications

DVM S High EER Heat Pump (2-Pipe)




Model Name				AM080JXVHGH/ET	AM100JXVHGH/ET	AM120JXVHGH/ET	AM140JXVHGH/ET
Power Supply			Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3,4,380-415,50
Performance	HP		HP	8	10	12	14
	Capacity	Cooling	kW	22.4	28.0	33.6	40.0
		Heating		22.4	28.0	33.6	40.0
	Maximum number of connectable indoor units		EA	14	18	21	26
	Total capacity of the connected Indoor Units	Min.	kW	11.2	14.0	16.8	20.0
		Max.		29.1	36.4	43.7	52.0
Power	Power Input	Cooling	kW	4.59	6.22	7.57	8.89
		Heating		4.08	5.23	6.72	8.55
	Current Input	Cooling	A	7.40	10.00	12.10	14.30
		Heating		6.50	8.40	10.80	13.70
	Current	Minimum Ssc	MVA	3.1	4.5	5.3	5.3
		MCA	A	18.0	21.1	25.0	25.0
		MFA		25	32	32	32
Energy Efficiency 1)	EER	Cooling	W/W	4.88	4.50	4.44	4.50
	COP	Heating	W/W	5.49	5.35	5.00	4.68
Compressor	Output		kW x n	5.18 x 1	6.39 x 1	6.39 x 1	6.39 x 1
	Oil	Type	-	PVE	PVE	PVE	PVE
		Initial charge	cc x n	1,100 x 1	1,100 x 1	1,100 x 1	1,100 x 1
Fan	Type		-	Propeller	Propeller	Propeller	Propeller
	Discharge Direction		-	Top	Top	Top	Top
	Quantity		EA	1	1	1	2
	Air Flow Rate		m^3/min	170	170	220	255
			l/s	2833	2833	3667	4250
	External Static Pressure	Max.	mmAq	8	8	8	8
			Pa	78.45	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	830 x 1	830 x 1	830 x 1	620 x 2
Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52	12.7	12.7
			Φ, inch	3/8"	3/8"	1/2"	1/2"
	Gas Pipe		Φ, mm	19.05	22.22	28.58	28.58
			Φ, inch	3/4"	7/8"	1+1/8"	1+1/8"
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200[220]	200[220]	200[220]	200[220]
	Piping length (1st Branch-IDU)	Max.		90	90	90	90
	Total piping length (System)	Max.		1,000	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.		110	110	110	110
	Level difference (IDU in highest position)	Max.		110	110	110	110
	Level difference (IDU-IDU)	Max.		50	50	50	50
Wiring connections	Transmission Cable		mm^2	0.75	0.75	0.75	0.75
	Remark		-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	6.5	6.5	6.5	9.4
			tCO2e	13.57	13.57	13.57	19.63
Noise Level 2)	Sound Pressure	Cooling	dB(A)	57	58	62	61
		Heating	dB(A)	59	60	64	63
	Sound Power		dB(A)	77	79	81	81
External Dimensions	Net Weight		kg	195.5	195.5	195.5	253.0
	Net Dimensions (WxHxD)		mm	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765
Operating Temp. Range	Cooling		℃	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
	Heating			-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

AM160JXVHGH/ET	AM180JXVHGH/ET	AM200JXVHGH/ET	AM220JXVHGH/ET	AM240KXVGGH/ET	AM260KXVGGH/ET
3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
16	18	20	22	24	26
45.0	50.4	56.0	61.6	67.2	72.8
45.0	50.4	56.0	61.6	67.2	72.8
29	32	36	40	43	47
22.5	25.2	28.0	30.8	33.6	36.4
58.5	65.5	72.8	80.1	87.4	94.6
10.92	12.32	13.83	15.88	18.61	20.92
8.95	10.02	11.22	12.91	13.20	15.17
17.50	19.80	22.20	25.50	29.80	33.60
14.40	16.10	18.00	20.70	21.20	24.30
6.6	7.6	8.0	8.6	12.5	12.2
32.0	39.2	42.0	44.6	55	60
40	50	63	63	63	75
4.12	4.09	4.05	3.88	3.61	3.48
5.03	5.03	4.99	4.77	5.09	4.8
4.39 x 2	6.39 x 2	6.39 x 2	6.39 x 2	6.76 x 2	7.81 x 2
PVE	PVE	PVE	PVE	PVE	PVE
900 x 2	1100 x 2	1100 x 2	1100 x 2	1100 x 2	1400 x 2
Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
Top	Top	Top	Top	Top	Top
2	2	2	2	2	2
255	290	290	290	340	340
4250	4833	4833	4833	5667	5667
8	8	8	8	8.0	8.0
78.45	78.45	78.45	78.45	78.45	78.45
BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
620 x 2	620 x 2	620 x 2	620 x 2	620 x 2	620 x 2
12.7	15.88	15.88	15.88	15.88	19.05
1/2"	5/8"	5/8"	5/8"	5/8"	3/4"
28.58	28.58	28.58	28.58	34.92	34.92
1+1/8"	1+1/8"	1+1/8"	1+1/8"	1+3/8"	1+3/8"
200[220]	200[220]	200[220]	200[220]	200[220]	200[220]
90	90	90	90	90	90
1,000	1,000	1,000	1,000	1,000	1,000
110	110	110	110	110	110
110	110	110	110	110	110
50	50	50	50	50	50
0.75	0.75	0.75	0.75	0.75	0.75
F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
R410A	R410A	R410A	R410A	R410A	R410A
9.4	8.4	11.0	11.0	14.0	14.0
19.63	17.54	22.97	22.97	29.23	29.23
62	63	64	65	69	69
66	67	67	67	71	71
82	85	86	88	90	90
284.0	293.0	308.0	308.0	342.0	350.0
1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1295 x 1795 x 765	1295 x 1795 x 765
-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48
-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

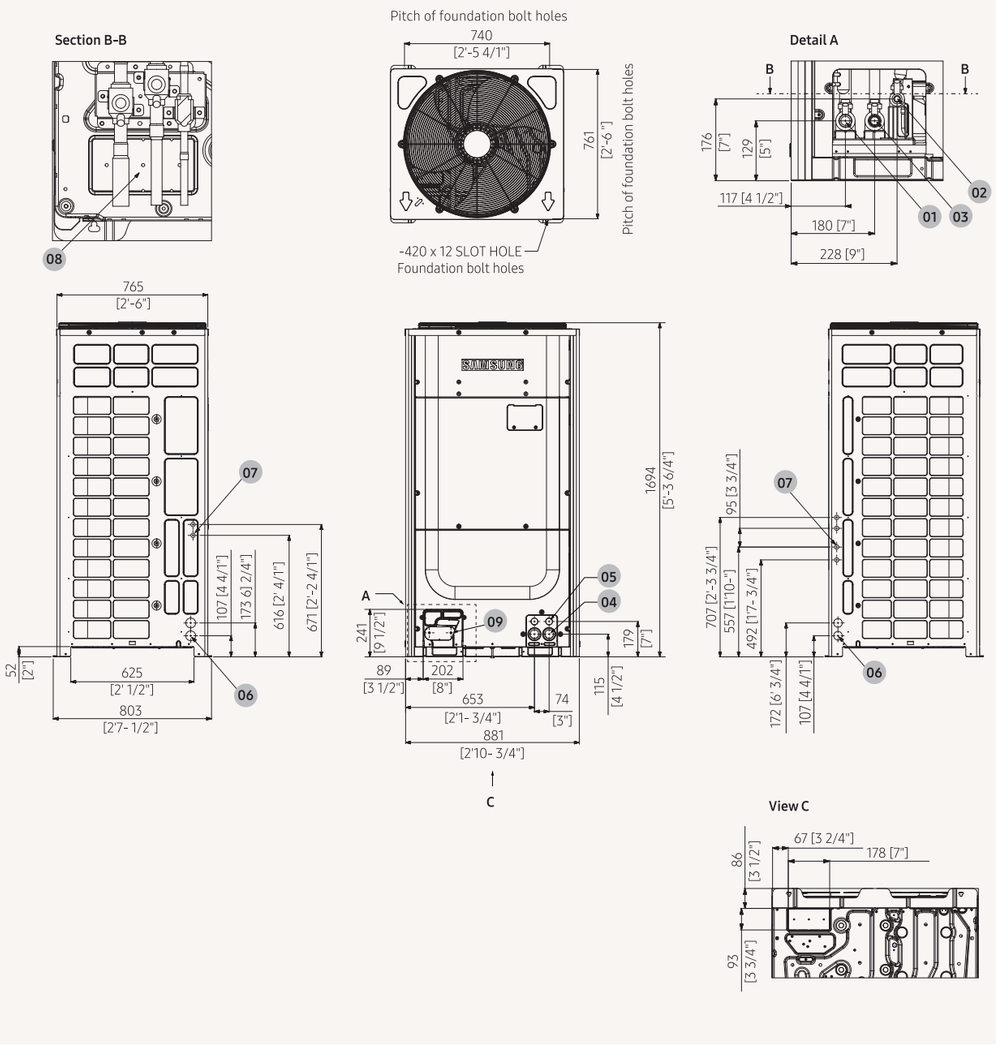
1- Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 5m, level differences 0m

2- Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation condition. Sound power level is an absolute value that a sound source generates.

Dimensional Drawings

DVM S High EER Heat Pump (2-Pipe)

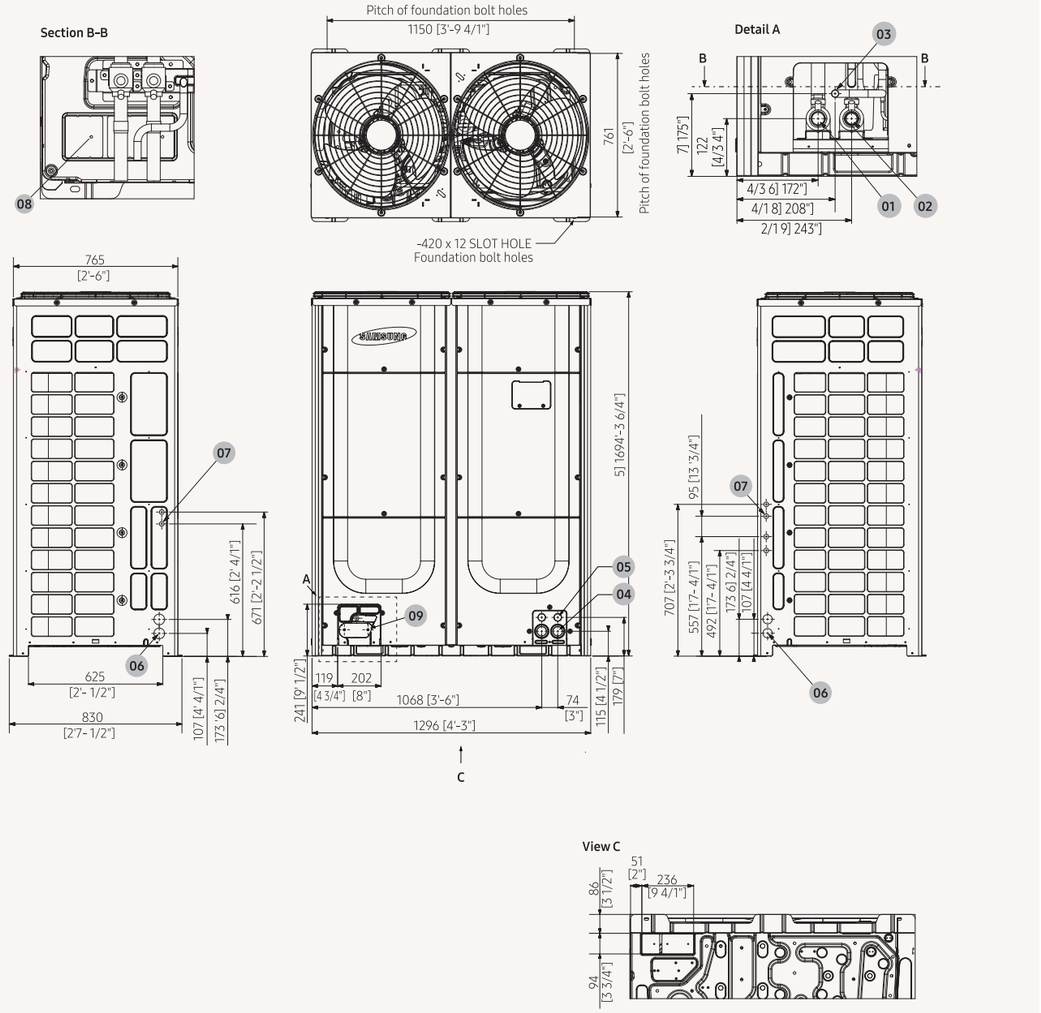
AM080/100/120JXVHGH



NO	Name	Description
1	Refrigerant gas pipe	See note 4
2	Refrigerant liquid pipe	See note 4
3	Power wiring conduit	Φ44
4	Communication wiring conduit	Φ34

NO	Name	Description
5	Power wiring conduit	Φ44
6	Communication wiring conduit	Φ22
7	Knock-out hole for Ref. piping (bottom)	-
8	Knock-out hole for Ref. piping (front)	-

AM140/160/180/200/220JXVHGH



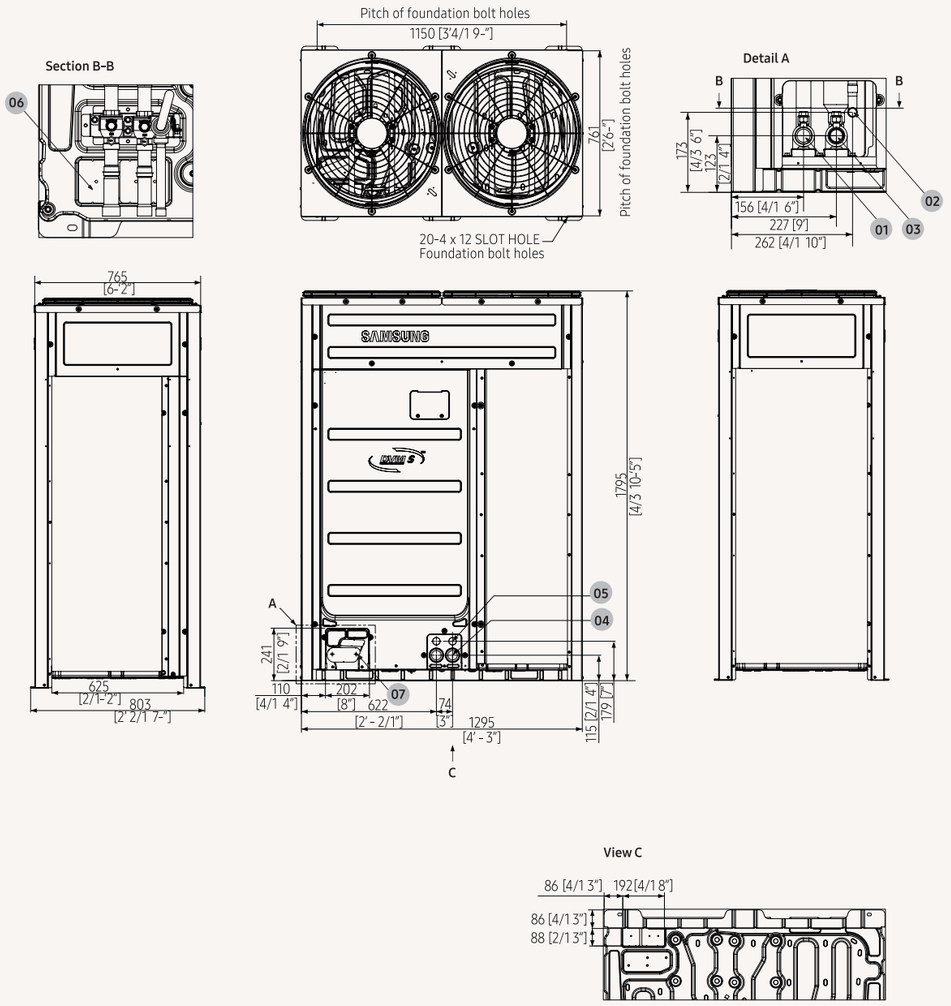
NO	Name	Description
1	Refrigerant gas pipe	See note 4
2	Refrigerant liquid pipe	See note 4
3	Power wiring conduit	Φ44
4	Communication wiring conduit	Φ34

NO	Name	Description
5	Power wiring conduit	Φ44
6	Communication wiring conduit	Φ22
7	Knock-out hole for Ref. piping (bottom)	-
8	Knock-out hole for Ref. piping (front)	-

Dimensional Drawings

DVM S High EER Heat Pump (2-Pipe)

AM240/260JXVGGH



NO	Name	Description
1	Refrigerant gas pipe	See note 4
2	Refrigerant liquid pipe	See note 4
3	Power wiring conduit	Φ44

NO	Name	Description
4	Communication wiring conduit	Φ34
7	Knock-out hole for Ref. piping (bottom)	-
8	Knock-out hole for Ref. piping (front)	-

Specifications

DVM S Eco Heat Recovery (With Heat Recovery Changer Kit)

Model Code				AM040NXMDER/EU	AM050NXMDER/EU	AM060NXMDER/EU	AM040NXMDGR/EU	AM050NXMDGR/EU	AM060NXMDGR/EU
Power Supply			Φ, V, Hz	1Φ, 220~240V, 50Hz	1Φ, 220~240V, 50Hz	1Φ, 220~240V, 50Hz	3Φ, 380~415V, 50Hz	3Φ, 380~415V, 50Hz	3Φ, 380~415V, 50Hz
Performance	HP		HP	4	5	6	4	5	6
	Capacity	Cooling	kW	12.1	14.0	15.5	12.1	14.0	15.5
		Heating		12.1	14.0	15.5	12.1	14.0	15.5
Power	Power Input (Nominal)	Cooling	kW	2.69	3.41	4.13	2.69	3.41	4.13
		Heating		2.58	3.11	3.65	2.58	3.11	3.65
	Current Input (Nominal)	Cooling	A	4.1	5.2	6.3	4.1	5.2	6.3
		Heating		3.8	4.5	5.3	3.8	4.5	5.3
	Current	MCA	A	22.0	24.0	30.0	10.0	12.0	12.0
		MFA		25	30	40	16	16	16
Energy Efficiency 1)	EER (Nominal Cooling)		-	4.50	4.11	3.75	4.50	4.11	3.75
	COP (Nominal Heating)		-	4.69	4.50	4.25	4.69	4.50	4.25
	SEER		-	10.50	10.10	9.50	10.50	10.10	9.50
Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	4.04	4.04	4.04	4.04	4.04	4.04
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE
		Initial Charge	cc	1700	1700	1700	1700	1700	1700
Fan	Type		-	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC
	Discharge Direction		-	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
	Motor (Output)		kW × n	125.0 x 2	125.0 x 2	125.0 x 2	125.0 x 2	125.0 x 2	125.0 x 2
	Air Flow Rate	(High / Mid / Low)	m³/min	100	100	100	100	100	100
		(High / Mid / Low)	l/s	1666.7	1666.7	1666.7	1666.7	1666.7	1666.7
	External Static Pressure	(Min / Std / Max)	mmAq	3	3	3	3	3	3
Piping Connections	Liquid Pipe		Φ, mm	9.52	9.52	9.52	9.52	9.52	9.52
			Φ, inch	3/8	3/8	3/8	3/8	3/8	3/8
	Gas Pipe		Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05
			Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Discharge Gas Pipe		Φ, mm	15.88	15.88	15.88	15.88	15.88	15.88
			Φ, inch	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Installation Max. Length		m	150	150	150	150	150	150
	Installation Max. Height		m	50	50	50	50	50	50
Field Wiring	Transmission Cable		m	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging		kg	3.2	3.2	3.3	3.2	3.2	3.3
			kg / tCO2e	6.7	6.7	6.9	6.7	6.7	6.9
Noise Level 2)	Sound Pressure		dB(A)	52	52	53	52	52	53
	Sound Power			67	68	70	67	68	70
External Dimensions	Net Weight		kg	97.0	97.0	100.0	95.0	95.0	98.0
	Net Dimensions (WxHxD)		mm	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-25.0 ~ 26.0	-25.0 ~ 26.0	-25.0 ~ 26.0	-25.0 ~ 26.0	-25.0 ~ 26.0	-25.0 ~ 26.0

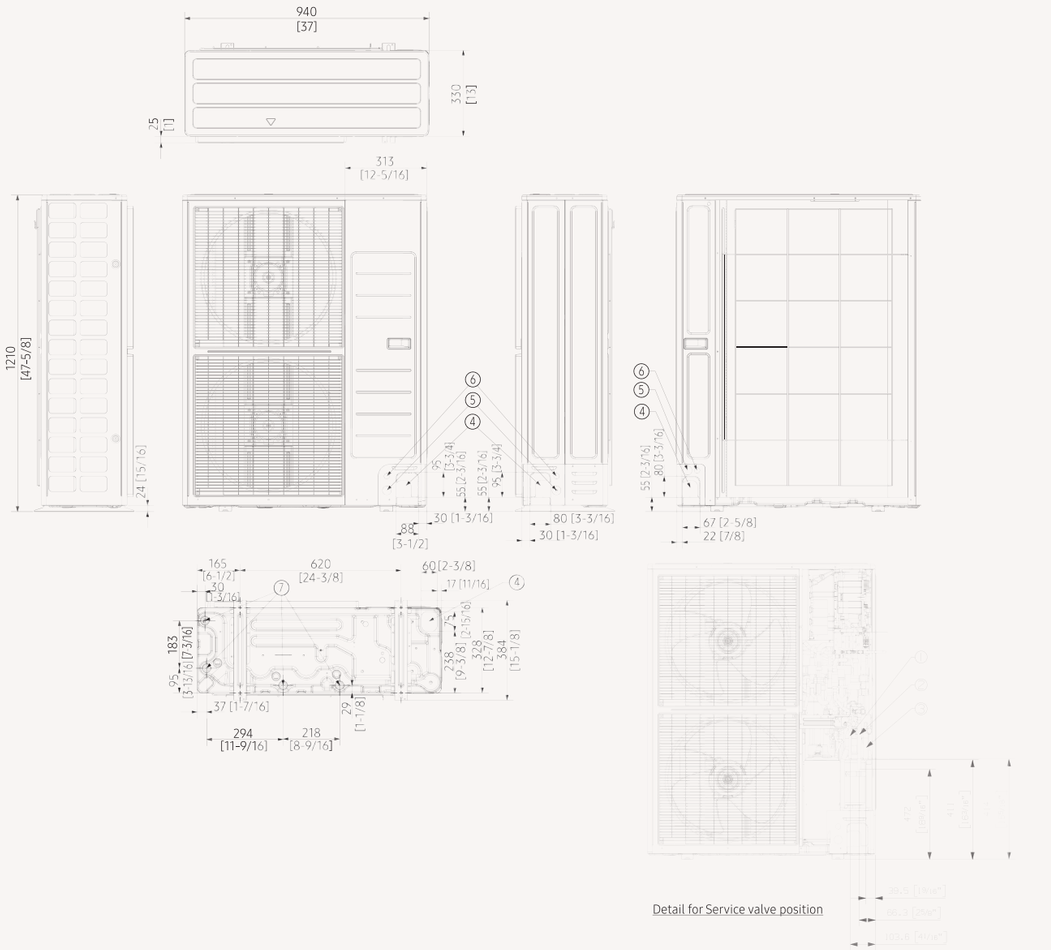
1- Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°CDB, 19°CWB, Outdoor temperature 35°CDB, 24°CWB
- Heating : Indoor temperature 20°CDB, 15°CWB, Outdoor temperature 7°CDB, 6°CWB
- Equivalent refrigerant pipe length 7.5m, level differences 0m

2- Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation condition. Sound power level is an absolute value that a sound source generates.

Dimensional Drawings

DVM S Eco Heat Recovery (With Heat Recovery Changer Kit)

AM*NXMD*R/EU**



NO	Name	Description	
		4/5HP	6HP
1	Refrigerant liquid pipe	Φ9.52 (Φ3/8)	
2	Refrigerant gas pipe	Φ15.88 (Φ5/8)	Φ19.05 (Φ3/4)
3	Knockout hole for pipe intake	Front / Side / Rear / Bottom	
4	Power wiring conduits	Front / Side / Rear, Φ34 (Φ1-3/8)	
5	Communication wiring conduits	Front / Side / Rear, Φ22 (Φ7/8)	
6	Drain holes	Connect with the provided drain plug.	

VRF

Specifications

DVM S High EER Heat Recovery (3-Pipe)

Model Name				AM080JXVHGR/ET	AM100JXVHGR/ET	AM120JXVHGR/ET	AM140JXVHGR/ET
Power Supply			Ø, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Mode			-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP		HP	8	10	12	14
	Capacity	Cooling	kW	22.4 / 22.4*	28.0 / 28.0*	33.6 / 33.6*	40.0 / 40.0*
		Heating	kW	25.2 / 22.4*	31.5 / 28.0*	37.8 / 33.6*	45.0 / 40.0*
	Maximum number of connectable indoor units		EA	14	18	21	26
	Total capacity of the connected Indoor Units	Min.	kW	11.2	14.0	16.8	20.0
		Max.	kW	29.1	36.4	43.7	52.0
Power	Power Input	Cooling	kW	4.59 / 4.59*	6.22 / 6.22*	7.57 / 7.57*	8.89 / 8.89*
		Heating	kW	4.59 / 4.08*	5.89 / 5.23*	7.56 / 6.72*	9.62 / 8.55*
	Current Input	Cooling	A	7.40	10.00	12.10	14.30
		Heating	A	7.40	9.40	12.10	15.40
	Current	Minimum Ssc	MVA	3.1	4.5	5.3	5.3
		MCA	A	18	21,1	25	25.0
		MFA	A	25	32	32	32
Energy Efficiency 1)	EER	Cooling	W/W	4.88 / 4.88*	4.50 / 4.50*	4.44 / 4.44*	4.50 / 4.50*
	COP	Heating	W/W	5.49 / 5.49*	5.35 / 5.35*	5.00 / 5.00*	4.68 / 4.68*
	ESEER		W/W	8.00	7.43	7.23	7.78
Compressor	Output		kW x n	5.18x 1	6.39 x 1	6.39 x 1	6.39 x 1
	Model Name		-	DS-GB052FAV* x 1	DS-GB066FAV* x 1	DS-GB066FAV* x 1	DS-GB066FAV* x 1
	Oil	Type	-	PVE	PVE	PVE	PVE
		Initial charge	cc x n	1,100x 1	1,100x 1	1,100x 1	1,100x 1
Fan	Type		-	Propeller	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top	Top
	Quantity		EA	1	1	1	2
	Air Flow Rate		m³/min	170	170	200	255
			l/s	2833	2833	3333	4250
	External Static Pressure	Max.	₪Aq	8	8	8	8
			Pa	78.45	78.45	78.45	78.45
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output		W x n	830 x 1	830 x 1	830 x 1	620 x 2
Piping Connections	Liquid Pipe		Φ, mm	9,52	9,52	12,7	12.70
			Φ, inch	3/8"	3/8"	1/2"	1/2"
	Gas Pipe		Φ, mm	19,05	22,22	28,58	28.58
			Φ, inch	3/4"	7/8"	1+1/8"	1+1/8"
	High pressure Gas Pipe(HR Only)		Φ, mm	15.88	19,05	19,05	22.22
			Φ, inch	5/8"	3/4"	3/4"	7/8"
	Piping length (ODU-IDU)	Max. [Equiv.]	m	200[220]	200[220]	200[220]	200[220]
	Piping length (1st Branch-IDU)	Max.	m	90	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000	1,000
	Level difference (ODU in highest position)	Max.	m	110	110	110	110
	Level difference (IDU in highest position)	Max.	m	110	110	110	110
	Level difference (IDU-IDU)	Max.	m	40	40	40	40
Wiring connections	Transmission Cable		mm²	0.75	0.75	0.75	0.75
	Remark		-	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	6.5	6.5	6.5	9.4
			tCO2e	13.6	13.6	13.6	19.6
Noise Level 2)	Sound Pressure	Cooling	dB(A)	57	58	62	61
		Heating	dB(A)	59	60	64	63
	Sound Power		dB(A)	77	79	81	81
External Dimensions	Net Weight		kg	200.5	200.5	200.5	254.0
	Net Dimensions (WxHxD)		₪	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765
Operating Temp. Range	Cooling		℃	(-15)~ 48	(-15)~ 48	(-15)~ 48	(-15)~ 48
	Heating		℃	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

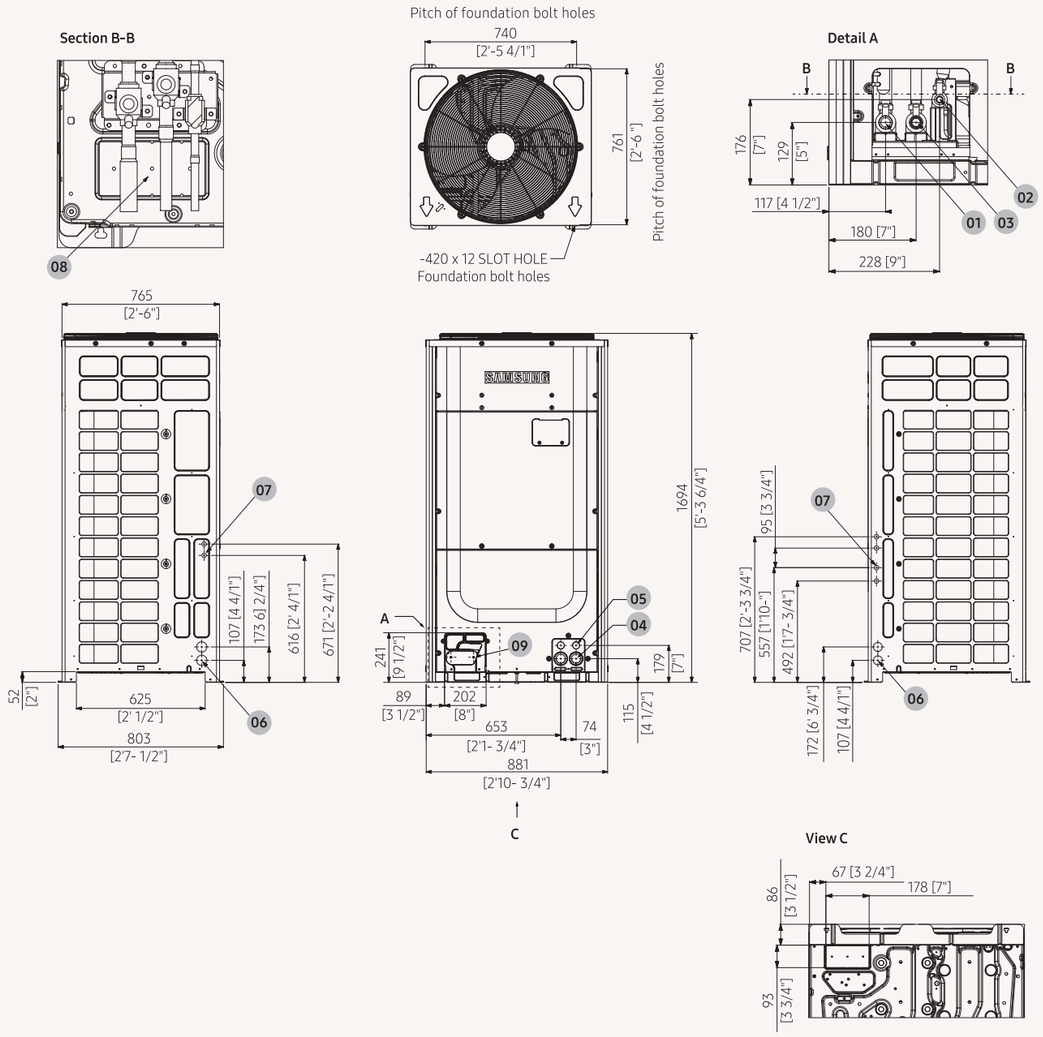
AM160JXVHGR/ET	AM180JXVHGR/ET	AM200JXVHGR/ET	AM220JXVHGR/ET	AM240MXVGNR/ET	AM260MXVGNR/ET
3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50/60	3,4,380-415,50/60
HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
16	18	20	22	24	26
45.0/ 45.0*	50.4 / 50.4*	56.0 / 56.0*	61.6 / 61.6*	67.2 / 67.2*	72.8 / 72.8*
50.4 / 45.0*	56.7 / 50.4*	63.0 / 56.0*	69.3 / 61.6*	75.6 / 67.2*	81.9 / 72.8* 88.2 /
29	32	36	40	43	47
22.5	25.2	28.0	30.8	33.6	36.4
58.5	65.5	72.8	80.1	87.4	94.6
10.92 / 10.92*	10.68 / 12.32*	12.50 / 13.83*	15.75 / 15.88*	16.00 / 18.61*	17.33 / 20.92*
10.75 / 8.95*	10.52 / 10.02*	12.75 / 11.22*	15.86 / 12.91*	15.43 / 13.20*	17.06 / 15.17*
17.50	17.10	20.00	25.30	29.80	27.80
17.20	16.90	20.50	25.40	21.20	27.40
6.6	7.6	8.0	8.6	12.5	12.2
32.0	39.2	42.0	44.6	55.0	60.0
40	50	63	63	63.0	75.0
4.12 / 4.12*	4.72 / 4.09*	4.48 / 4.05*	3.91 / 3.88*	4.20 / 3.61*	4.20 / 3.48*
4.69 / 5.03*	5.39 / 5.03*	4.94 / 4.99*	4.37 / 4.77*	4.90 / 5.09*	4.80 / 4.80*
7.38	7.25	6.82	6.43	7.18	7.17
4.39 x 2	6.39 x 2	6.39 x 2	6.39 x 2	6.76 x 2	7.81 x 2
DS-GA046FAV* x 2	DS-GB066FAV* x 2	DS-GB066FAV* x 2	DS-GB066FAV* x 2	DS-GB070FAV* x 2	DS4GJ5080FV* x 2
PVE	PVE	PVE	PVE	PVE	PVE
900 x 2	1,100x 2	1,100x 2	1,100x 2	1,100x 2	1400 x 2
Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
Top	Top	Top	Top	Top	Top
2	2	2	2	2	2
255	290	290	290	340	340
4250	4833	4833	4833	5667	5667
8	8	8	8	8	8.0
78.45	78.45	78.45	78.45	78.45	78.45
BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
620 x 2	620 x 2	620 x 2	620 x 2	620 x 2	620 x 2
12,7	15,88	15,88	15,88	15.88	19.05
1/2"	5/8"	5/8"	5/8"	5/8"	3/4"
28,58	28,58	28,58	28,58	34.92	34.92
1+1/8"	1+1/8"	1+1/8"	1+1/8"	1+3/8"	1+3/8"
22.22	22.22	28,58	28,58	34,92	28,58
7/8"	7/8"	1+1/8"	1+1/8"	1+3/8"	1+1/8"
200[220]	200[220]	200[220]	200[220]	200[220]	200[220]
90	90	90	90	90	90
1,000	1,000	1,000	1,000	1,000	1,000
110	110	110	110	110	110
110	110	110	110	110	110
40	40	40	40	40	40
0.75	0.75	0.75	0.75	0.75	0.75
F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
R410A	R410A	R410A	R410A	R410A	R410A
9.4	8.4	11.0	11.0	14.0	14.0
19.6	17.5	23	23	29.23	29.23
62	63	64	65	69	69
66	67	67	67	71	71
82	85	86	88	90	90
285.0	302.0	314.0	314.0	350.0	358.0
1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1295 x 1795 x 765	1295 x 1795 x 765
(-15)~ 48	(-15)~ 48	(-15)~ 48	(-15)~ 48	(-15)~ 48	(-15)~ 48
-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24

1 Performances are based on the following test conditions. Cooling: Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB. Heating: Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB. Equivalent refrigerant piping 7.5m, Level differences 0m
*Eurovent certified
2 Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation condition. Sound power level is an absolute value that a sound source generates.

Dimensional Drawings

DVM S High EER Heat Recovery (3-Pipe)

AM080/100/120JXVHGR

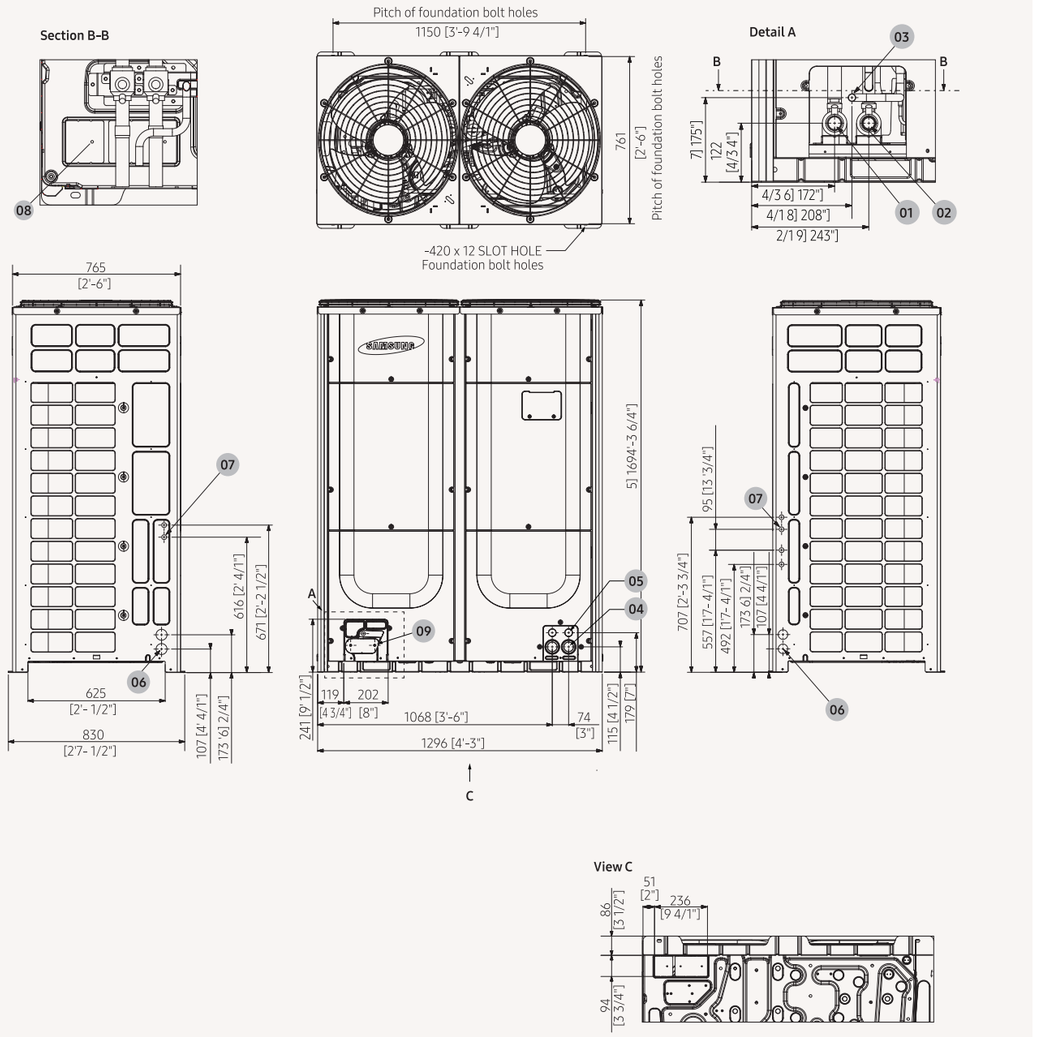


NO	Name	Description
1	Low Pressure Gas Ref. pipe	See note 4
2	High Pressure Gas Ref. pipe	See note 4
3	Liquid Ref. pipe	See note 4
4	Power wiring conduit	Φ44
5	Communication wiring conduit	Φ34

NO	Name	Description
6	Power wiring conduit	Φ44
7	Communication wiring conduit	Φ22
8	Knock-out hole for Ref. piping (bottom)	-
9	Knock-out hole for Ref. piping (front)	-

1. Detail A and SECTION B-B indicate the dimension after fixing the attached piping.
2. Item 4-9 : Knock-out hole.
3. View C indicate the dimension of kock-out hole(bottom).
4. Pipe [Φ, mm(inch)] : Brazing connection

AM140/160/180/200/220JXVHGR



NO	Name	Description
1	Low Pressure Gas Ref. pipe	See note 4
2	High Pressure Gas Ref. pipe	See note 4
3	Liquid Ref. pipe	See note 4
4	Power wiring conduit	Φ44
5	Communication wiring conduit	Φ34

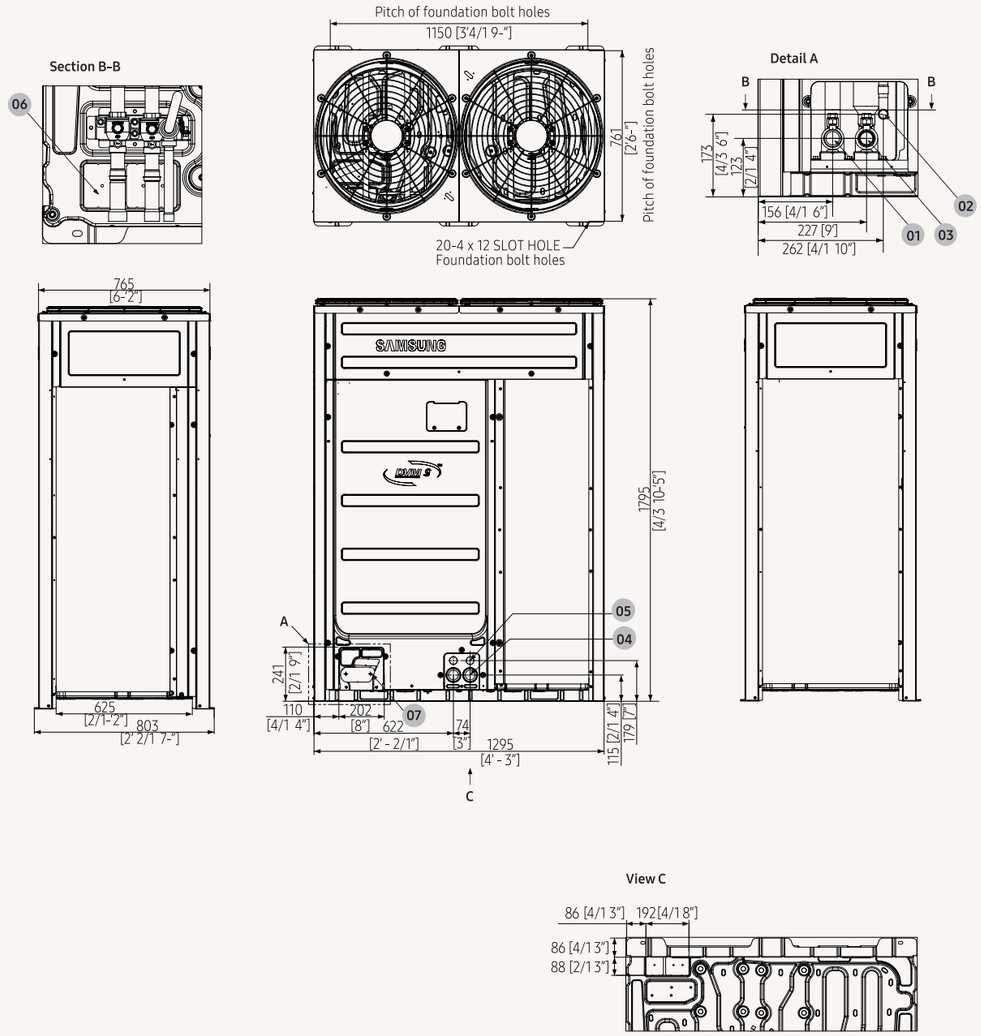
NO	Name	Description
6	Power wiring conduit	Φ44
7	Communication wiring conduit	Φ22
8	Knock-out hole for Ref. piping (bottom)	-
9	Knock-out hole for Ref. piping (front)	-

1. Detail A and SECTION B-B indicate the dimension after fixing the attached piping.
2. Item 4-9 : Knock-out hole.
3. View C indicate the dimension of kock-out hole(bottom).
4. Pipe [Φ, mm(inch)] : Brazing connection

Dimensional Drawings

DVM S High EER Heat Recovery (3-Pipe)

AM240/260MXVGNR



NO	Name	Description
1	Low Pressure Gas Ref. pipe	See note 4
2	High Pressure Gas Ref. pipe	See note 4
3	Liquid Ref. pipe	See note 4
4	Power wiring conduit	Φ44

NO	Name	Description
5	Communication wiring conduit	Φ34
6	Knock-out hole for Ref. piping (bottom)	-
7	Knock-out hole for Ref. piping (front)	-

1. Detail A and SECTION B-B indicate the dimension after fixing the attached piping.
2. Item 4-7 : Knock-out hole.
3. View C indicate the dimension of kock-out hole(bottom).
4. Pipe [Φ, mm(inch)] : Brazing connection

Specifications

DVM S Water

Model Name				AM080MXWANR/EU	AM100MXWANR/EU	AM120MXWANR/EU	AM200MXWANR/EU	AM300KXWANR/EU
Power Supply			Ø, #, V, Hz	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	3, 4, 380-415, 50/60
Performance	HP		HP	8	10	12	20	30
	Capacity (Nominal)	Cooling	kW	22,4	28	33,6	56	84
		Heating	kW	25,2	31,5	37,8	63	94,5
	Maximum number of connectable indoor units		ea	14	18	22	36	55
	Total capacity of the connected Indoor Units 3)	Min.	kW	11,2	14	16,8	28	42
		Max.	kW	29,1	36,4	43,7	72,8	109,2
Power	Power Input (Nominal)	Cooling	kW	3,67	4,87	6,00	10,77	16,80
		Heating		3,97	5,04	6,25	10,86	16,88
	Current Input (Nominal)	Cooling	A	5,9	8,1	9,6	17,3	26,4
		Heating		6,4	8,4	10,0	17,4	26,5
	Current	Minimum Ssc value	MVA	3,9	3,9	4,8	7,7	-
		MCA	A	16,1	16,1	20	32,2	48
		MFA	A	20	20	25	40	63
COP	Nominal Cooling		W/W	6,1	5,75	5,6	5,2	5
	Nominal Heating		W/W	6,35	6,25	6,05	5,8	5,6
Compressor	Type		-	Inverter Scroll	Inverter Scroll	Inverter Scroll	Inverter Scroll	SSC Scroll x 2
	Output		kW × n	(4.96) x 1	(4.96) x 1	(6.13) x 1	(4.96) x 2	(6.75)x2
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE
		Initial Charge	Liter	3,9	3,9	3,9	6,2	6,2
Condenser	Type		Type	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger	Plate Heat Exchanger
	Pipe Size		Ø, inch	PT1-1/4	PT1-1/4	PT1-1/4	PT1-1/4	PT2
	Pressure Drop		kPa	22	30	43	54	50
	Water Flow Rate		l/min	80	96	114	190	285
	Max. Pressure		Mpa	1,96	1,96	1,96	1,96	1,96
	Liquid Pipe		Ø, mm	9,52	9,52	12,7	15,88	19,05
			Ø, inch	3/8"	3/8"	1/2"	5/8"	3/4"
	Gas Pipe		Ø, mm	19,05	22,22	28,58	28,58	34,92
			Ø, inch	3/4"	7/8"	1 1/8"	1 1/8"	1 3/8"
Piping Connections	Discharge Gas Pipe		Ø, mm	15,88	19,05	19,05	28,58	28,58
			Ø, inch	5/8"	3/4"	3/4"	1 1/8"	1 1/8"
	Piping length	Outdoor-Indoor	Max. m	170 (190)	170 (190)	170 (190)	170 (190)	170 (190)
		After branch	Max. m	90	90	90	90	90
	Total piping length	System	Actual m	500	500	500	500	500
	Level difference	Outdoor-Indoor	Outdoor unit in highest position m	50	50	50	50	50
			Indoor unit in highest position m	40	40	40	40	40
		Indoor-Indoor	Max. m	50	50	50	50	50
Wiring connections	Communication	Minimum	mm²	0,75	0,75	0,75	0,75	0,75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
	Factory Charging		kg	5,5	5,8	6	9,8	11
			tCO2e	11,48	12,11	12,53	20,46	22,96
Sound	Sound Pressure	Cooling		48	48	50	51	55
		Heating	dB(A)	51	51	52	52	58
	Sound Power			70	70	70	73	75
External Dimensions	Net Weight		kg	160	160	160	240	280
	Net Dimensions (WxHxD)		mm	770 x 1,000 x 545	770 x 1,000 x 545	770 x 1,000 x 545	1,100 x 1,000 x 545	1100 x 1000 x 545
Operating Temp. Range	Cooling		°C	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0
	Heating		°C	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0

1- Performances are based on the following test conditions.
- Cooling : Indoor temperature 27°C DB, 19°C WB / Inlet water temperature : 30
- Heating : Indoor temperature 20°C DB, 15°C WB / Inlet water temperature : 20°C
- Equivalent refrigerant piping 7.5m, Level differences 0m

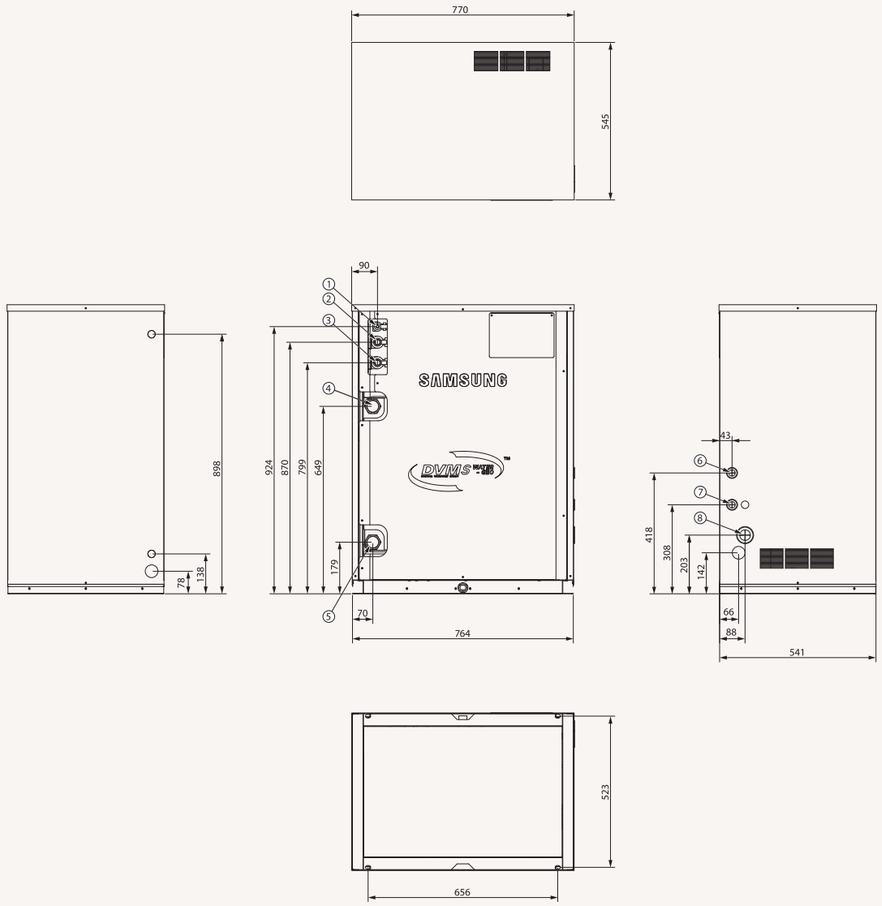
2- Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation condition. Sound power level is an absolute value that a sound source generates.

VRF

Dimensional Drawing

DVM S Water

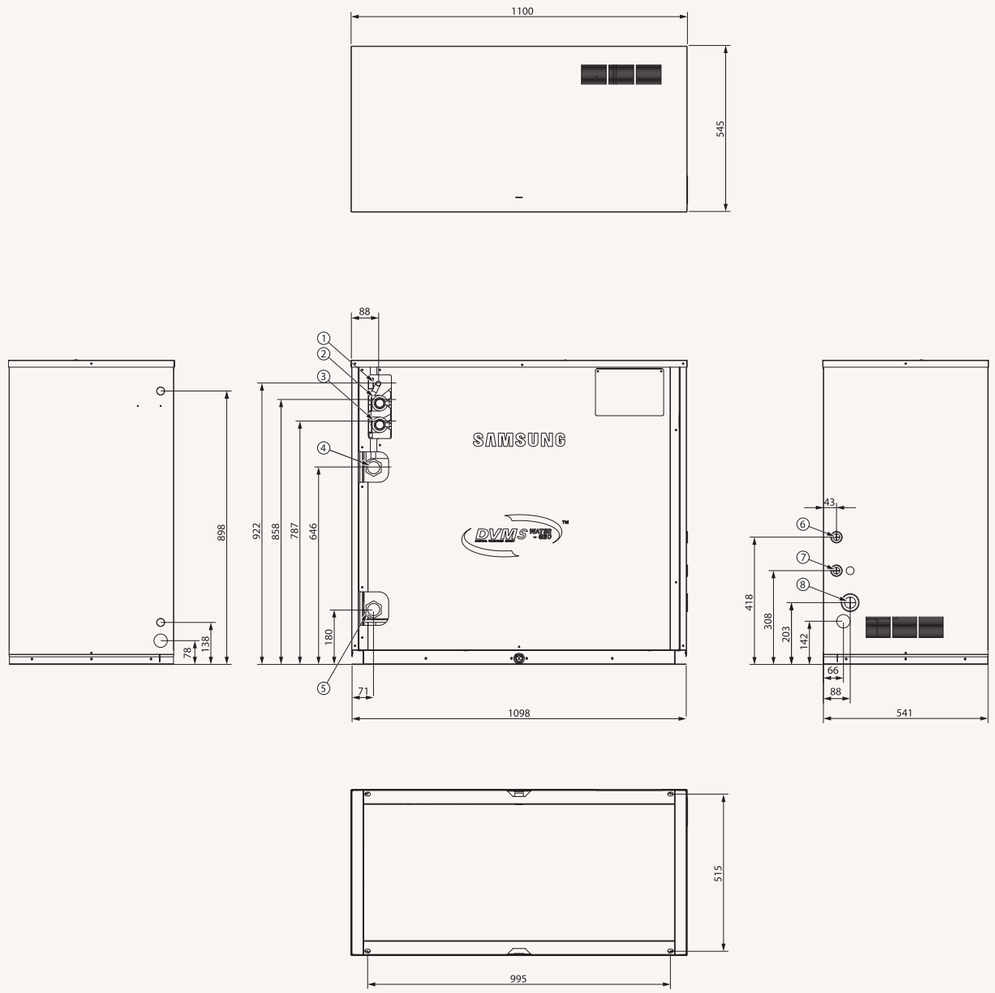
AM080/100/120MXWANR



No.	Name	Description
		30HP
1	Liquid ref. pipe	Ø 19.05 (3/4")
2	High pressure gas ref. pipe	Ø 28.58 (1 1/8")
3	Low pressure gas ref. pipe	Ø 34.92 (1 3/8")
4	Water outlet pipe	PT2

No.	Name	Description
		30HP
5	Water inlet pipe	PT2
6	Communication wiring	-
7	External contact wiring	-
8	Power wiring	-

AM200MXWANR



No.	Name	Description
		20HP
1	Liquid ref. pipe	15.88 (5/8")
2	High pressure gas ref. pipe	28.58 (1 1/8")
3	Low pressure gas ref. pipe	28.58 (1 1/8")
4	Water outlet pipe	PT1-1/4

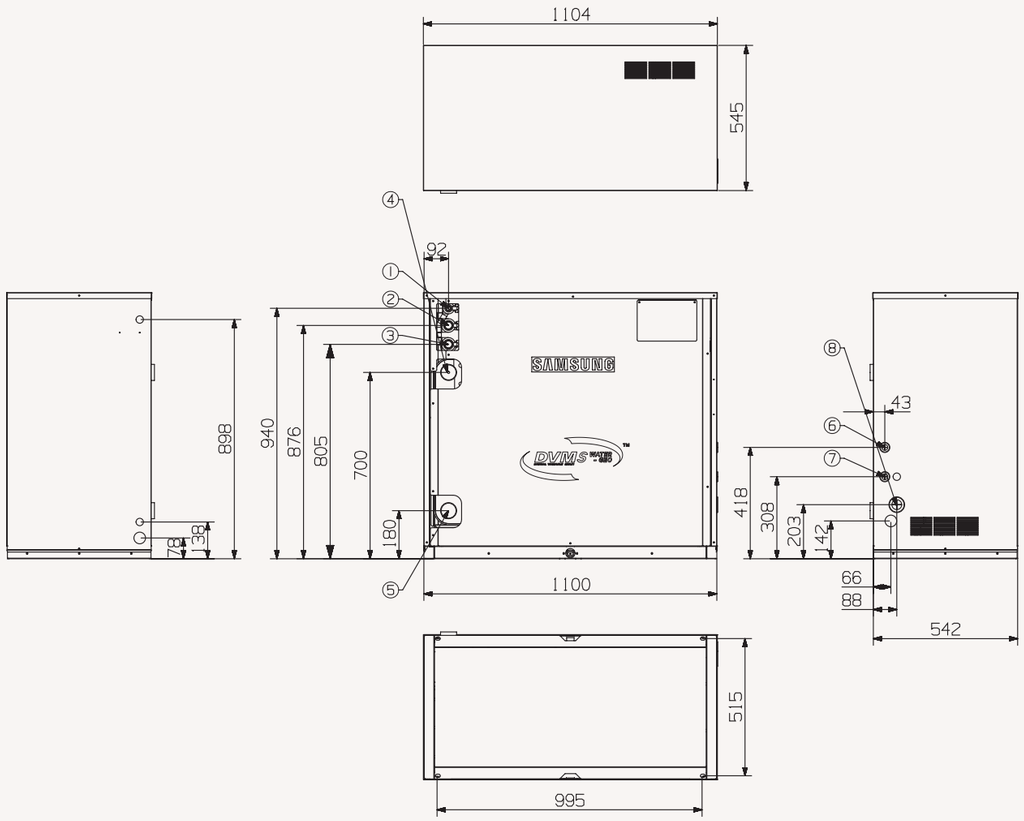
No.	Name	Description
		20HP
5	Water inlet pipe	PT1-1/4
6	Communication wiring	-
7	External contact wiring	-
8	Power wiring	-

VRF

Dimensional Drawing

DVM S Water

AM300MXWANR



No.	Name	Description
		30HP
1	Liquid ref. pipe	Ø 19.05 (3/4")
2	High pressure gas ref. pipe	Ø 28.58 (1 1/8")
3	Low pressure gas ref. pipe	Ø 34.92 (1 3/8")
4	Water outlet pipe	PT2

No.	Name	Description
		30HP
5	Water inlet pipe	PT2
6	Communication wiring	-
7	External contact wiring	-
8	Power wiring	-

VRF

Specifications

Wind-Free™ 1-Way Cassette

Model				AM017NN1PEH/EU	AM022NN1PEH/EU	AM022NN1DEH/EU	AM028NN1DEH/EU	AM036NN1DEH/EU	AM056NN1DEH/EU	AM071NN1DEH/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Performance	Capacity	Cooling	kW	1,7	2,2	2,2	2,8	3,6	5,6	7,1
		Heating		1,9	2,5	2,5	3,2	4	6,3	8
Power	Power Input	Cooling	W	24	25	40	45	50	55	80
		Heating		24	25	40	45	50	55	80
	Current Input	Cooling	A	0,14	0,15	0,2	0,23	0,25	0,28	0,4
		Heating		0,14	0,15	0,2	0,23	0,25	0,28	0,4
	Current	MCA	A	0,18	0,19	0,25	0,29	0,31	0,35	0,5
		MFA		15	15	15	15	15	15	15
Fan	Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Quantity		ea	1	1	1	1	1	1	1
	Airflow Rate	H/M/L	m^3/min	4.80/4.30/4.10	5.10/4.60/4.30	6.00/5.00/4.00	7.00/6.00/5.00	8.00/7.00/6.00	16.00/14.00/12.50	17.00/15.50/14.00
			l/s	80.00/71.67/68.33	85.00/76.67/71.67	100.00/83.33/66.67	116.67/100.00/83.33	133.33/116.67/100.00	266.67/233.33/208.33	283.33/258.33/233.33
Fan Motor	Model		-	BLDC Motor	BLDC Motor	AC Motor	AC Motor	AC Motor	BLDC Motor	BLDC Motor
	Output x n		W	27 x 1	27 x 1	17 x 1	17 x 1	17 x 1	54 x 1	54 x 1
Piping Connections	Liquid Pipe		Φ, mm	6,35	6,35	6,35	6,35	6,35	6,35	9,52
			Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"
	Gas Pipe		Φ, mm	12,7	12,7	12,7	12,7	12,7	12,7	15,88
			Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"
	Drain Pipe		Φ, mm	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Wiring Connections	Connection with Indoor	Minimum	mm^2	0,75	0,75	0,75	0,75	0,75	0,75	0,75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Electronic Expansion Valve		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	28 / 26 / 24	29 / 26 /24	29 / 26 / 24	32 / 28 / 24	37 / 33 / 30	41 / 38 / 35	42 / 39 / 36
	Sound Power	Cooling		46	47	47	50	55	59	60
Dimension	Net Weight		kg	8	8	10	10	10	13,5	13,5
	Net Dimensions (WxHxD)		mm	740 x 135 x 360	740 x 135 x 360	970 x 135 x 410	970 x 135 x 410	970 x 135 x 410	1200 x 138 x 450	1200 x 138 x 450
Panel	Model Name		-	PC1MWFMAN	PC1MWFMAN	PC1NWFMAN	PC1NWFMAN	PC1NWFMAN	PC1BWFMAN	PC1BWFMAN
Drain pump			-	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
	Max. lifting Height / Displacement		mm / Litre/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24

Accessories

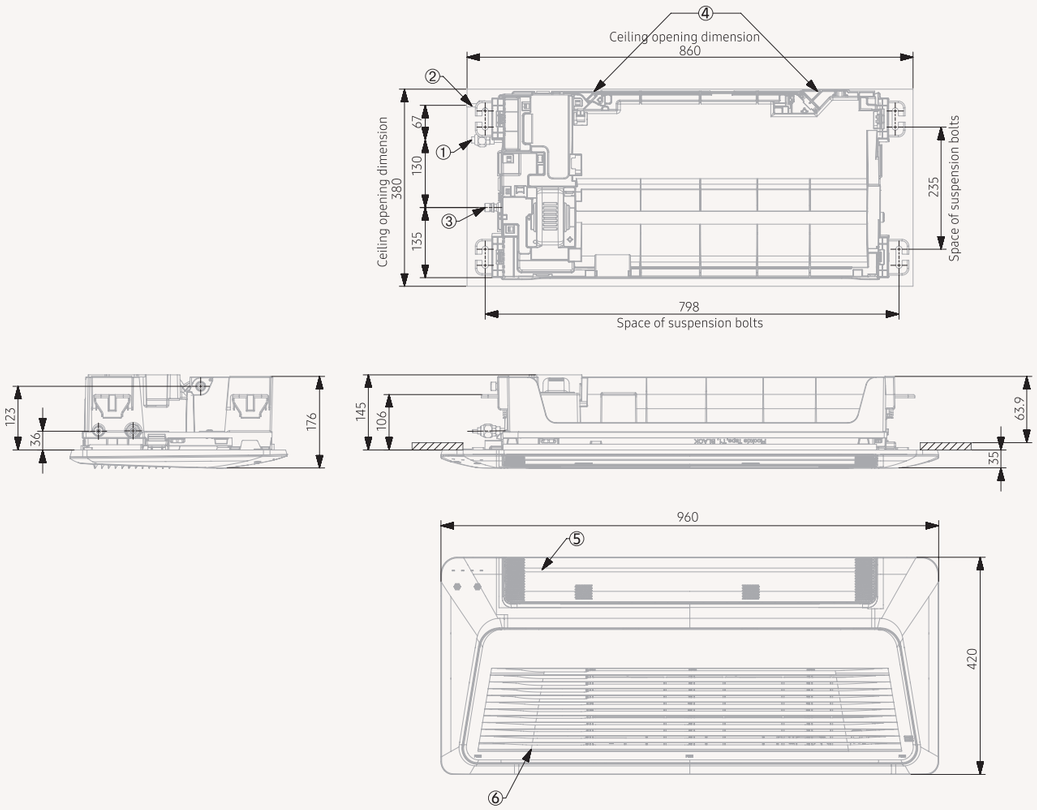
Individual Controllers (Optional)				Others (Optional)	
					
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC1*WFMAN	MRW-TA

VRF

Dimensional Drawings

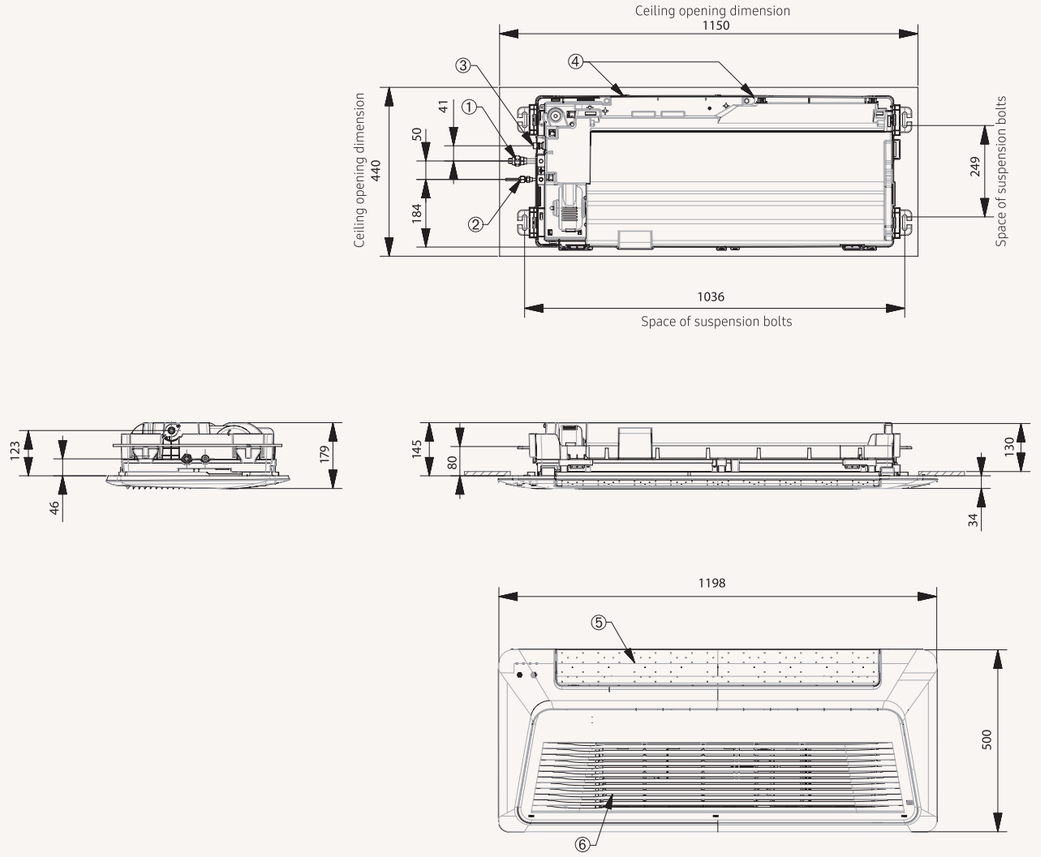
Wind-Free™ 1-Way Cassette

AM017/022NN1PEH/**AM017/022NN1PEH/**



No.	Name	Description
1	Gas pipe connection	Ø9.52 (3/8")
2	Liquid pipe connection	Ø6.35 (1/4")
3	Drain hose connection	VP20 (OD26, ID20)
4	Power supply/Communication wiring conduit	-
5	Air outlet louver	-
6	Air inlet grille	-

AM022/028/036NN1DEH/**

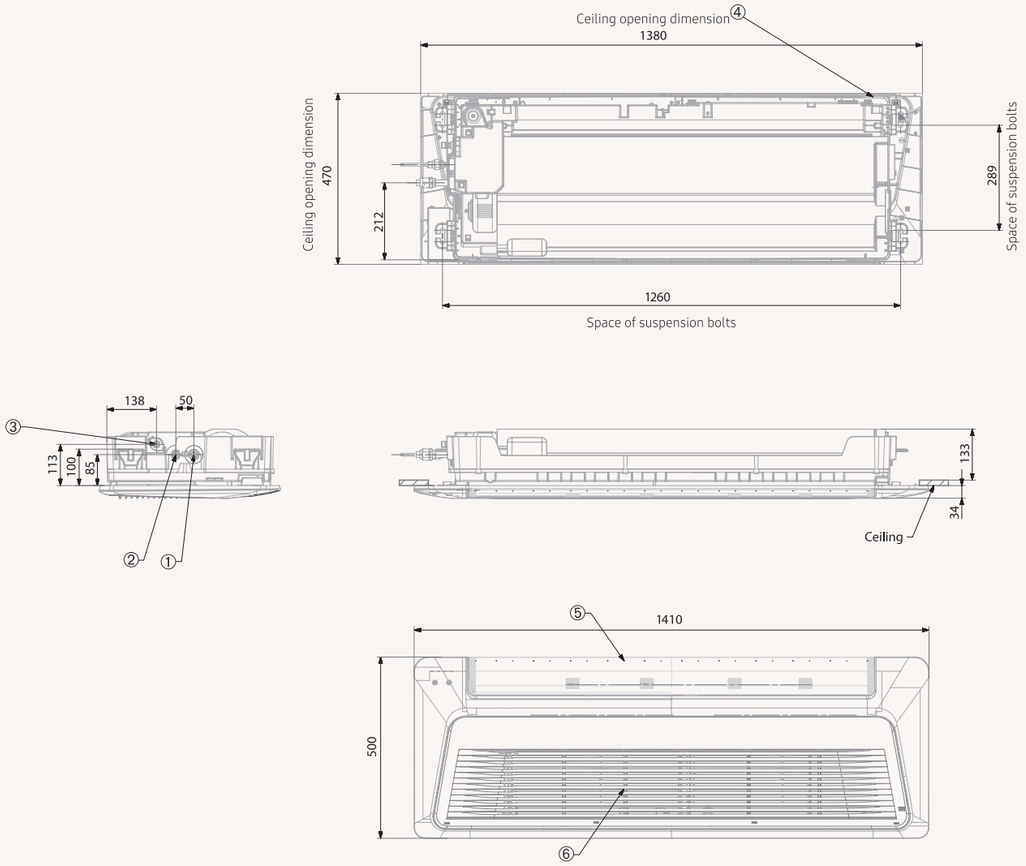


No.	Name	Description
1	Gas pipe connection	Ø12.7 (1/2")
2	Liquid pipe connection	Ø6.35 (1/4")
3	Drain hose connection	VP20 (OD26, ID20)
4	Power supply/Communication wiring conduit	-
5	Air outlet louver	-
6	Air inlet grille	-

Dimensional Drawings

Wind-Free™ 1-Way Cassette

AM056/071NN1DEH/



No.	Name	Description	
		5.2kW	**7.1kW**
1	Gas pipe connection	Ø12.70 (1/2")	Ø15.88 (5/8")
2	Liquid pipe connection	Ø6.35 (1/4")	Ø9.52 (3/8")
3	Drain hose connection	V25 (OD32, ID25)	
4	Power supply/Communication wiring conduit	-	
5	Air outlet louver	-	
6	Air inlet grille	-	

VRF

Specifications

2-Way Cassette

Model				AM056FN2DEH/EU	AM071FN2DEH/EU
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50
Performance	Capacity (Nominal)	Cooling	kW	5,6	7,1
		Heating		6,3	8
Power	Power Input (Nominal)	Cooling	W	70	75
		Heating		70	75
	Current Input (Nominal)	Cooling	A	0,38	0,4
		Heating		0,38	0,4
Fan		Type	-	Crossflow Fan	Crossflow Fan
	Motor	Output	W	14	14
		Quantity	EA	2	2
	Airflow Rate	H/M/L (UL)	m^3/min	14 / 13 / 12	15 / 14 / 13
			l/s	233.33/216.67/200.00	250.00/233.33/216.67
Piping Connections	Liquid Pipe		Ø, mm	6,35	9,52
			Ø, inch	1/4"	3/8"
	Gas Pipe		Ø, mm	12,7	15,88
			Ø, inch	1/2"	5/8"
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	Below 20m / over 20m	mm^2	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm^2	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dBA	38 / 37 / 35	41 / 39 / 37
Dimensions	Net Weight		kg	21	22
	Net Dimensions (W×H×D)		mm	890 x 230 x 575	890 x 230 x 575
Panel	Model Name		-	PC2NUSMEN	PC2NUSMEN
Additional Accessories	Drain pump	Drain pump	- / Model	Built-in	Built-in
		Max. lifting Height / Displacement	mm / Litre/h	750 / 24	750 / 24
	Air Filter		-	Long life filter	Long life filter

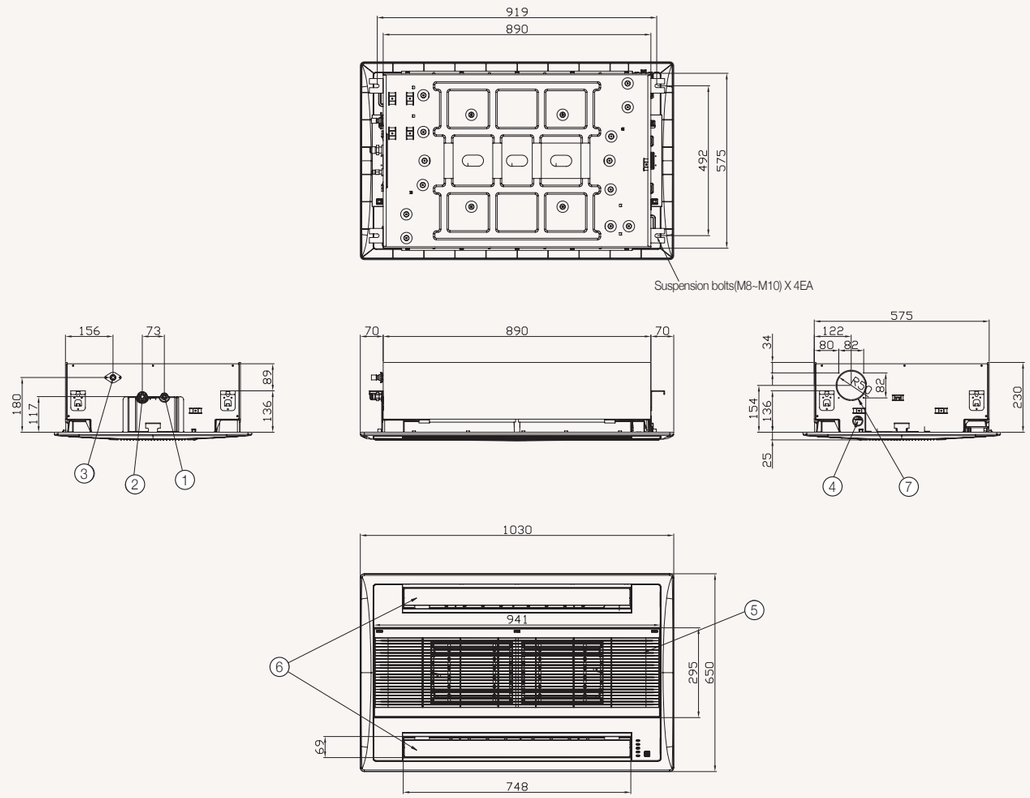
Accessories

Individual Controllers (Optional)				Others (Optional)		Panel (Mandatory)
						
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA	PC2NUSMEN

Dimensional Drawings

2-Way Cassette

AM*FN2DEH/EU**



No.	Name	Description	
		5.6kW	7.1kW
1	Liquid pipe connection	Ø6.35 Flare	Ø9.52 Flare
2	Gas pipe connection	Ø12.70 Flare	Ø15.88 Flare
3	Drain pipe connection	VP25 (OD 32, ID 25)	
4	Conduit for power supply & communication wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	-	
7	Fresh air intake	-	

Specifications

360 Cassette

Model				AM045KN4DEH/EU	AM056KN4DEH/EU	AM071KN4DEH/EU	AM090KN4DEH/EU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Performance	Capacity (Nominal)	Cooling	kW	4,5	5,6	7,1	9
		Heating		5	6,3	8	10
Power	Power Input (Nominal)	Cooling	W	26	30	34	55
		Heating		26	30	34	55
	Current Input (Nominal)	Cooling	A	0,18	0,21	0,25	0,42
		Heating		0,18	0,21	0,25	0,42
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
		Output x n	w	65 x 1	65 x 1	65 x 1	65 x 1
	Airflow Rate	H/M/L (UL)	m³/min	14.50 / 13.50 / 12.50	16.00 / 14.50 / 13.50	18.00 / 16.00 / 14.00	22.00 / 18.50 / 16.00
			l/s	241.67 / 225.00 / 208.33	266.67 / 241.67 / 225.00	300.00 / 266.67 / 233.33	366.67 / 308.33 / 266.67
Piping Connections	Liquid Pipe		Ø, mm	6,35	6,35	9,52	9,52
			Ø, inch	1/4"	1/4"	3/8"	3/8"
	Gas Pipe		Ø, mm	12,7	12,7	15,88	15,88
			Ø, inch	1/2"	1/2"	5/8"	5/8"
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire		mm²	1.5 - 2.5	1.5 - 2.5	1.5 - 2.5	1.5 - 2.5
	Transmission Cable		mm²	0.75 - 1.50	0.75 - 1.50	0.75 - 1.50	0.75 - 1.50
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Pressure	High / Mid / Low	dB(A)	33 / 31 / 29	34 / 32 / 29	36 / 33 / 30	40 / 36 / 32
	Power	Cooling		50	51	53	57
Dimension	Net Weight		kg	21	21	21	21
	Net Dimensions (WxHxD)		mm	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947
Panel	Model Name		-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN

AM112KN4DEH/EU	AM128KN4DEH/EU	AM140KN4DEH/EU
1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
11,2	12,8	14
12,5	13,8	16
53	77	91
53	77	91
0,41	0,62	0,75
0,41	0,62	0,75
Turbo Fan	Turbo Fan	Turbo Fan
97 x 1	97 x 1	97 x 1
25.50 / 21.00 / 17.50	29.50 / 24.00 / 19.00	31.50 / 26.50 / 21.00
425.00 / 350.00 / 291.67	491.67 / 400.00 / 316.67	525.00 / 441.67 / 350.00
9,52	9,52	9,52
3/8"	3/8"	3/8"
15,88	15,88	15,88
5/8"	5/8"	5/8"
VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
1.5 - 2.5	1.5 - 2.5	1.5 - 2.5
0.75 - 1.50	0.75 - 1.50	0.75 - 1.50
R410A	R410A	R410A
EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
40 / 36 / 32	42 / 38 / 33	44 / 40 / 35
58	60	61
24	24	24
947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
PC4NUDMAN	PC4NUDMAN	PC4NUDMAN

Accessories

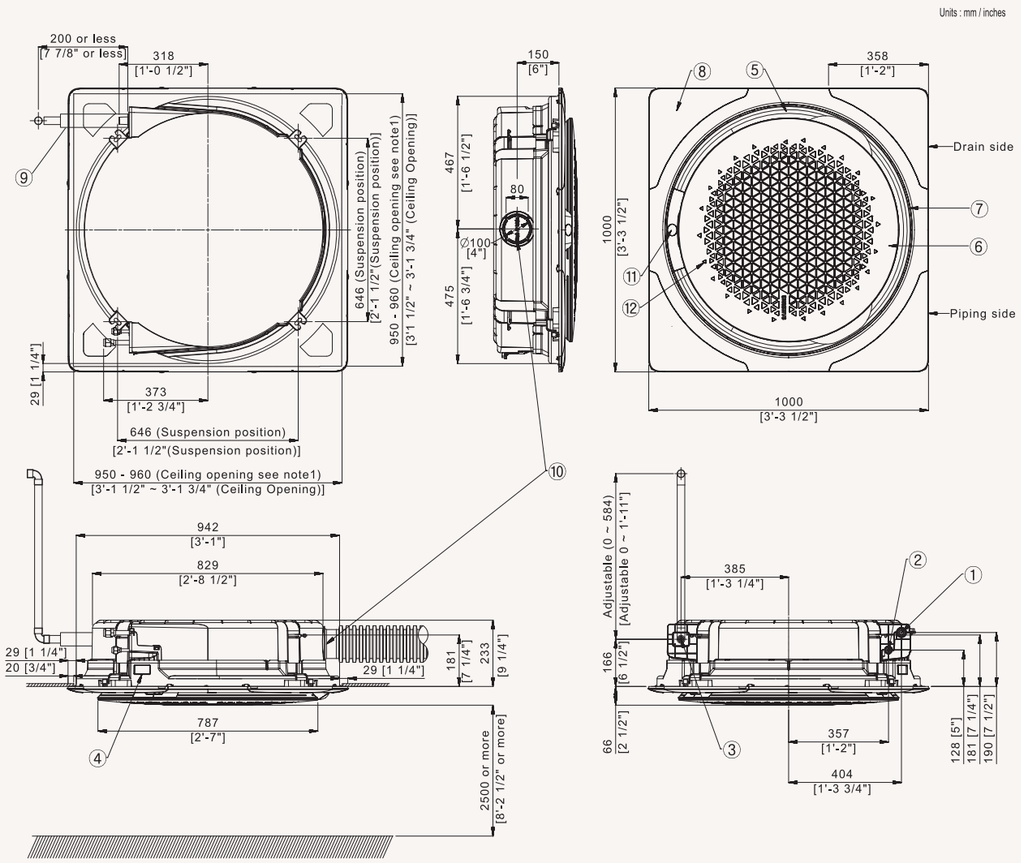
Individual Controllers (Optional)				Others (Optional)		Panel (Mandatory)			
									
AR-KH00E	MWR-SH00N	MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA	PC4NUDMAN	PC4NUNMAN	PC4NBDMAN	PC4NBNMAN

VRF

Dimensional Drawings

360 Cassette

AM045KN4DEH/EU, AM056KN4DEH/EU, AM071KN4DEH/EU, AM090KN4DEH/EU

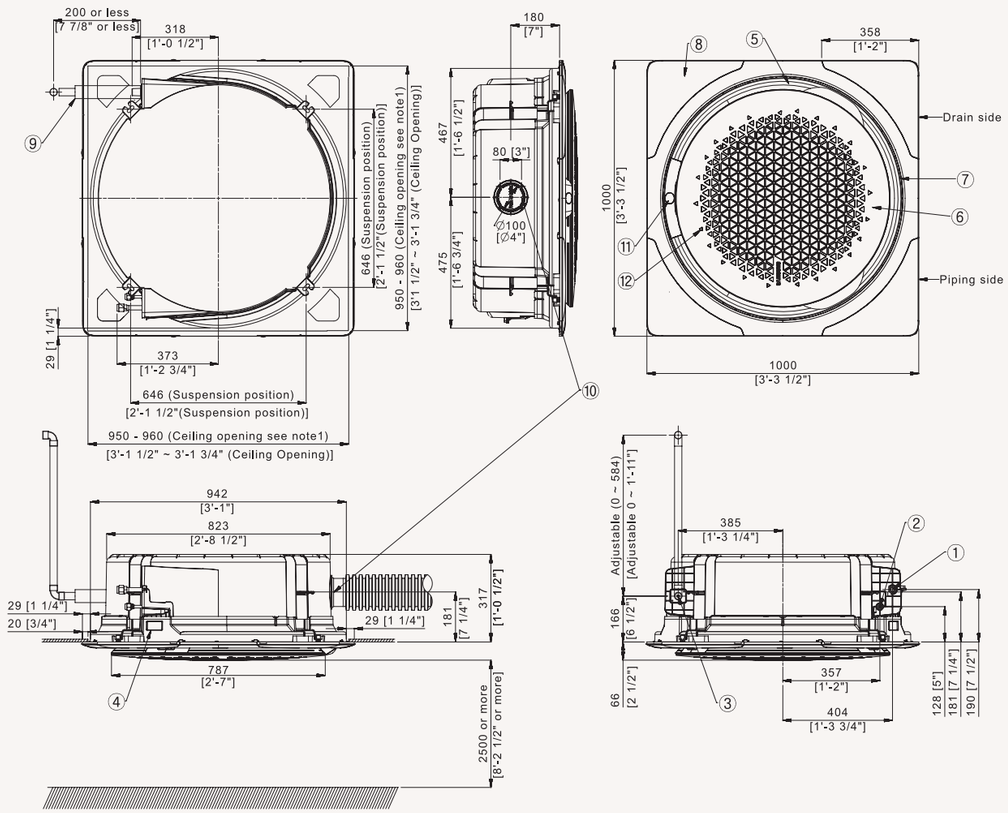


No.	Name
1	Refrigerant liquid pipe
2	Refrigerant gas pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air discharge opening
6	Air suction grille

No.	Name
7	Suction rim for booster fan
8	Corner decoration cover
9	Drain hose
10	Fresh air intake knock out hole
11	Display window
12	Infrared receiver

1. Make sure the spacing between the ceiling and the cassette is no more than 29mm[1 1/4"]. Max ceiling opening: 960mm [3'-1 3/4"]
2. When the conditions exceed 30C [86F] and RH 80% in the ceiling or fresh air inducted into the ceiling, an additional insulation is required (polythene foam, thickness 10mm[3/8"] or more)
3. Open type panel model code: PC4NUDMAN

AM112KN4DEH/EU, AM128KN4DEH/EU AM140KN4DEH/EU



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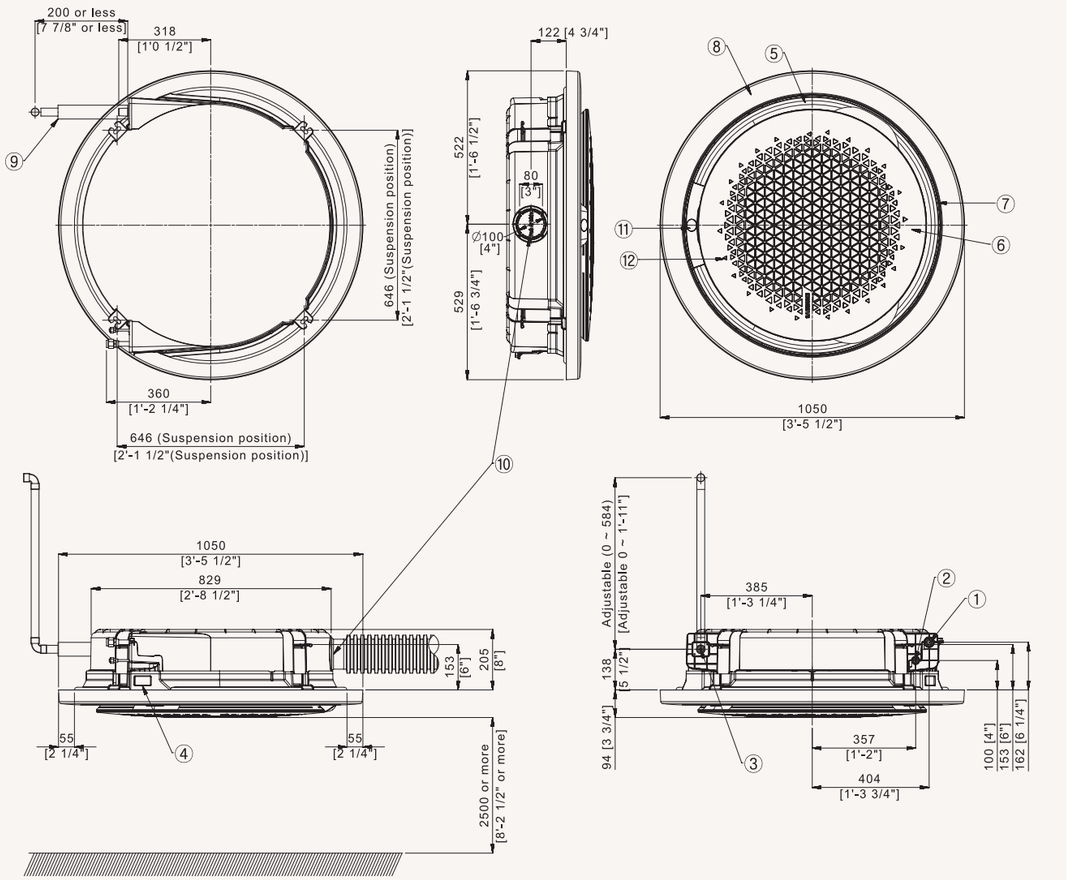
Dimensional Drawings

360 Cassette

AM045KN4DEH/EU, AM056KN4DEH/EU, AM071KN4DEH/EU, AM090KN4DEH/EU



No.	Name
1	Refrigerant liquid pipe
2	Refrigerant gas pipe
3	Condensate drain
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No.	Name
7	Suction rim for booster fan
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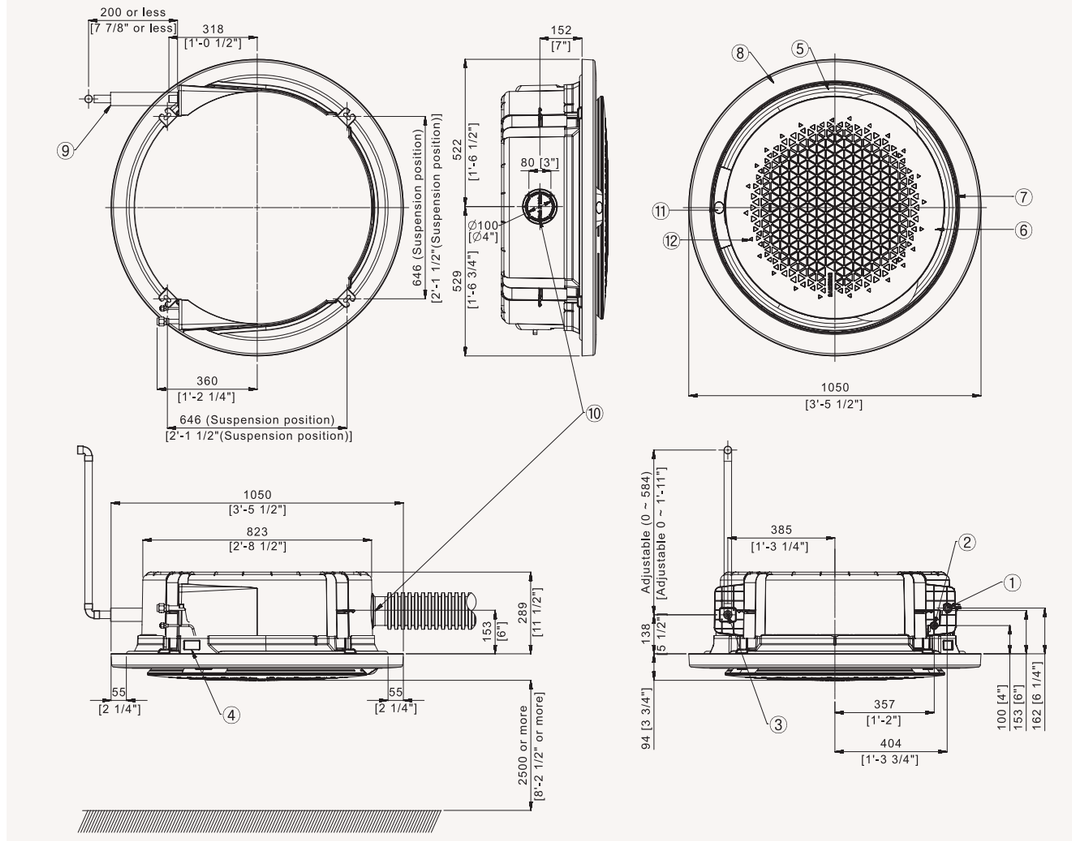
12	Infrared receiver

Category	Inspection hole		
	Recessed installation		Exposed Installation
	Integrated	Suspended	
Square Panel	1ea	-	
Circle Panel	2ea		

1. Make sure the spacing between the ceiling and the cassette is no more than 10mm[3/8"].
2. When the conditions exceed 30C [86F] and RH 80% in the ceiling or fresh air inducted into the ceiling, an additional insulation is required (polythene foam, thickness 10mm[3/8"] or more)
3. Open type panel model code: PC4NUNMAN
4. The circular panel is by default available in exposed installation.
5. Make inspection holes on the ceiling for easier installation and maintenance, as shown in the following table. (The size of an inspection hole must be at least 450 mm x 450 mm.)
6. A suspended ceiling structure can substitute for the inspection holes.

AM112KN4DEH/EU, AM128KN4DEH/EU, AM140KN4DEH/EU



No.	Name
1	Refrigerant liquid pipe
2	Refrigerant gas pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air discharge opening
6	Air suction grille

No.	Name
7	Suction rim for booster fan
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Category	Inspection hole		
	Recessed installation		Exposed Installation
	Integrated	Suspended	
Square Panel	1ea	-	
Circle Panel	2ea		

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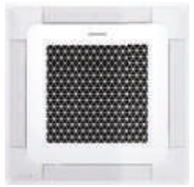
2. When the conditions exceed 30C [86F] and RH 80% in the ceiling or fresh air inducted into the ceiling, an additional insulation is required (polythene foam, thickness 10mm[3/8"] or more)
3. Open type panel model code: PC4NUNMAN
4. The circular panel is by default available in exposed installation.
5. Make inspection holes on the ceiling for easier installation and maintenance, as shown in the following table. (The size of an inspection hole must be at least 450 mm x 450 mm.)
6. A suspended ceiling structure can substitute for the inspection holes.

Specifications

Wind-Free™ 4-Way Cassette



Model Name				AM045NN4DEH/EU	AM056NN4DEH/EU	AM071NN4DEH/EU	AM090NN4DEH/EU	AM112NN4DEH/EU	AM128NN4DEH/EU	AM140NN4DEH/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Mode			-	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity	Cooling	kW	4,5	5,6	7,1	9	11,2	12,8	14
		Heating		5	6,3	8	10	12,5	13,8	16
Power	Power Input	Cooling	W	32	32	45	62	78	73	89
		Heating		32	32	45	62	78	73	89
	Current Input	Cooling	A	0,22	0,22	0,31	0,43	0,55	0,51	0,62
		Heating		0,22	0,22	0,31	0,43	0,55	0,51	0,62
	Current	MCA	A	0,3	0,3	0,4	0,6	0,9	0,8	0,9
		MFA		15	15	15	15	15	15	15
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity		ea	1	1	1	1	1	1	1
	Airflow Rate H/M/L		m³/min	14.5/13.5/12.5	15.0/14.0/13.0	17.0/15.5/14.5	19.5/18.0/16.5	26.0/24.0/22.0	28.0/26.0/23.0	30.0/28.0/26.0
			l/s	242/225/208	250/233/217	283/258/242	325/300/275	433/400/367	467/433/383	500/467/433
Fan Motor	Model		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1	97 x 1	97 x 1
Piping Connections	Liquid Pipe		Φ,mm	6,35	6,35	9,52	9,52	9,52	9,52	9,52
			Φ, inch	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe		Φ,mm	12,7	12,7	15,88	15,88	15,88	15,88	15,88
			Φ, inch	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
	Drain Pipe		Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Wiring Connections	Communication	Minimum	mm2	0,75	0,75	0,75	0,75	0,75	0,75	0,75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Electronic Expansion Valve		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	33.0/32.0/30.0	33.0/32.0/30.0	35.0/34.0/33.0	39.0/36.0/33.0	40.0/38.0/35.0	42.0/40.0/35.0	44.0/41.0/35.0
	Sound Power	Cooling		49	50	54	57	57	58	60
Dimensions	Net Weight		kg	15,5	15,5	15,5	15,5	17	19	19
	Net Dimensions (W×H×D)		mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
Panel	Model Name		-	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
Drain Pump	Drain Pump		-	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
	Max. lifting Height / Displacement		mm / Litre/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24

Accessories

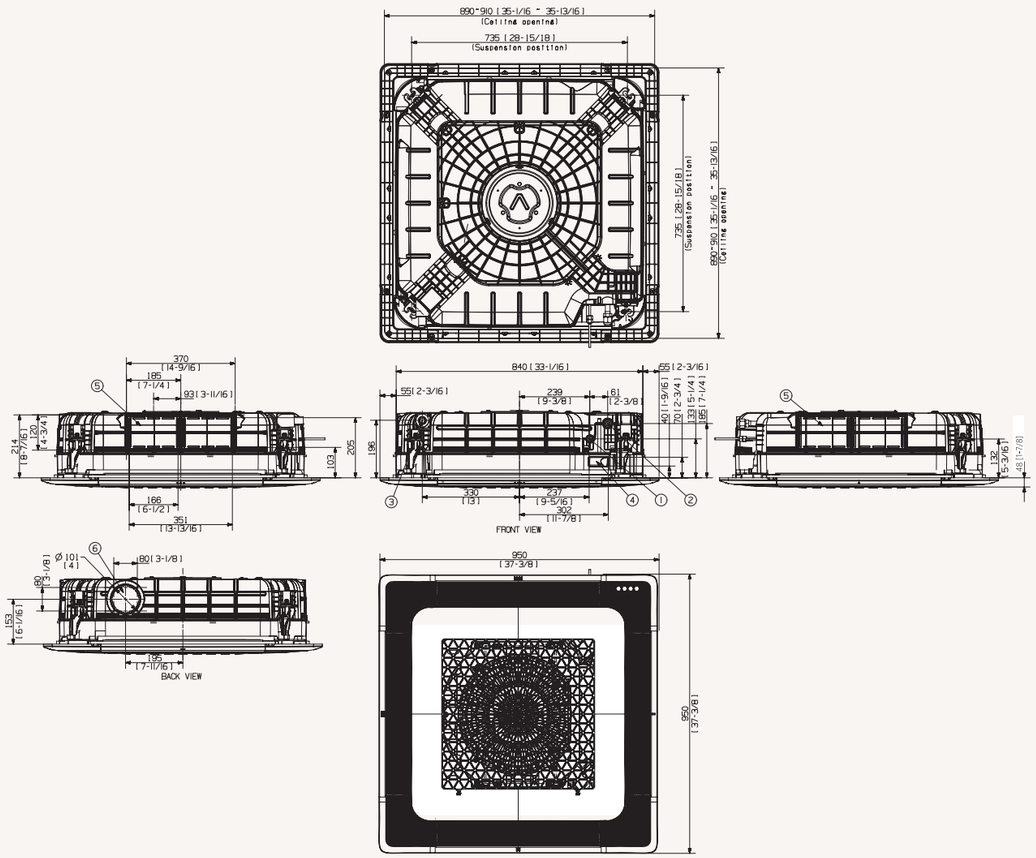
Individual Controllers (Optional)				Panel (Mandatory)
				
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC4NUFMAN

VRF

Technical Drawings

Wind-Free™ 4-Way Cassette

AM045/056/071/090NN4DEH/EU



No.	Name	Description			
		4.5kW	5.6kW	7.1kW	9kW
1	Liquid pipe connection	Φ6.35(1/4)		Φ9.52(3/8)	
2	Gas pipe connection	Φ12.7(1/2)		Φ15.88(5/8)	
3	Drain pipe connection	VP-25(OD32, ID25)			
4	Power supply/Communication wiring conduit	-			
5	Fresh air intake knockout hole	Φ10[4] , Use M4 Screw			

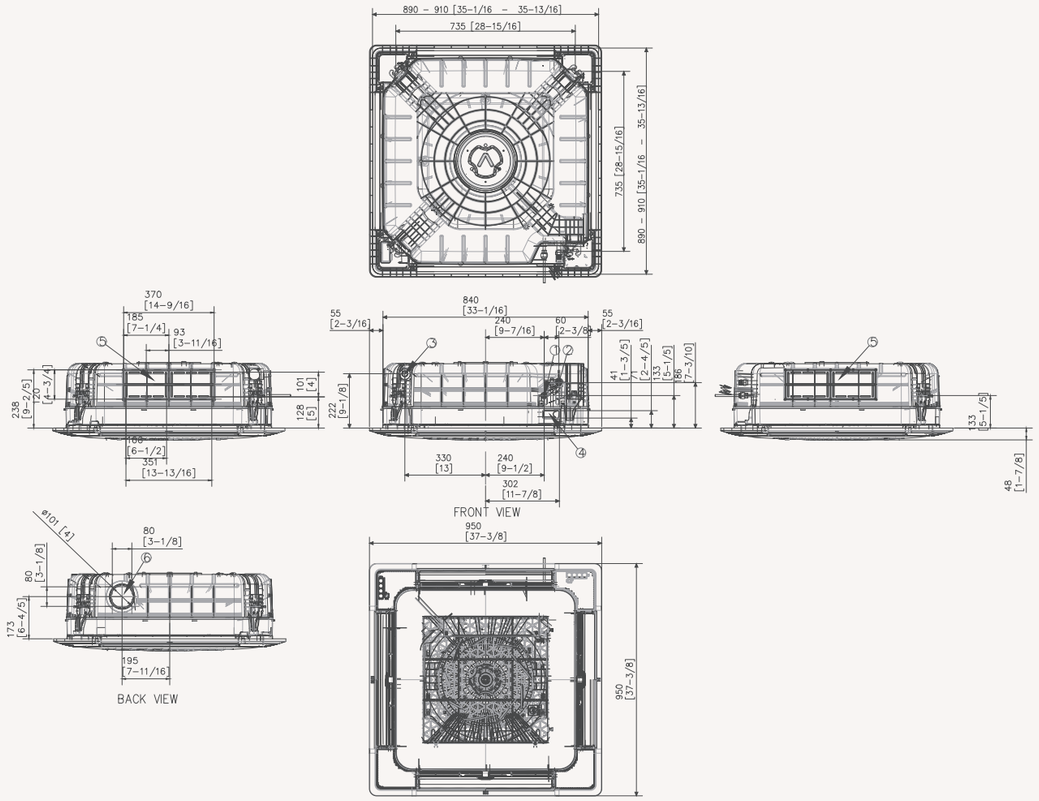
Note: As for suspension bolt, please use M8 ~ M10. (Procured at local site)

VRF

Technical Drawings

Wind-Free™ 4-Way Cassette

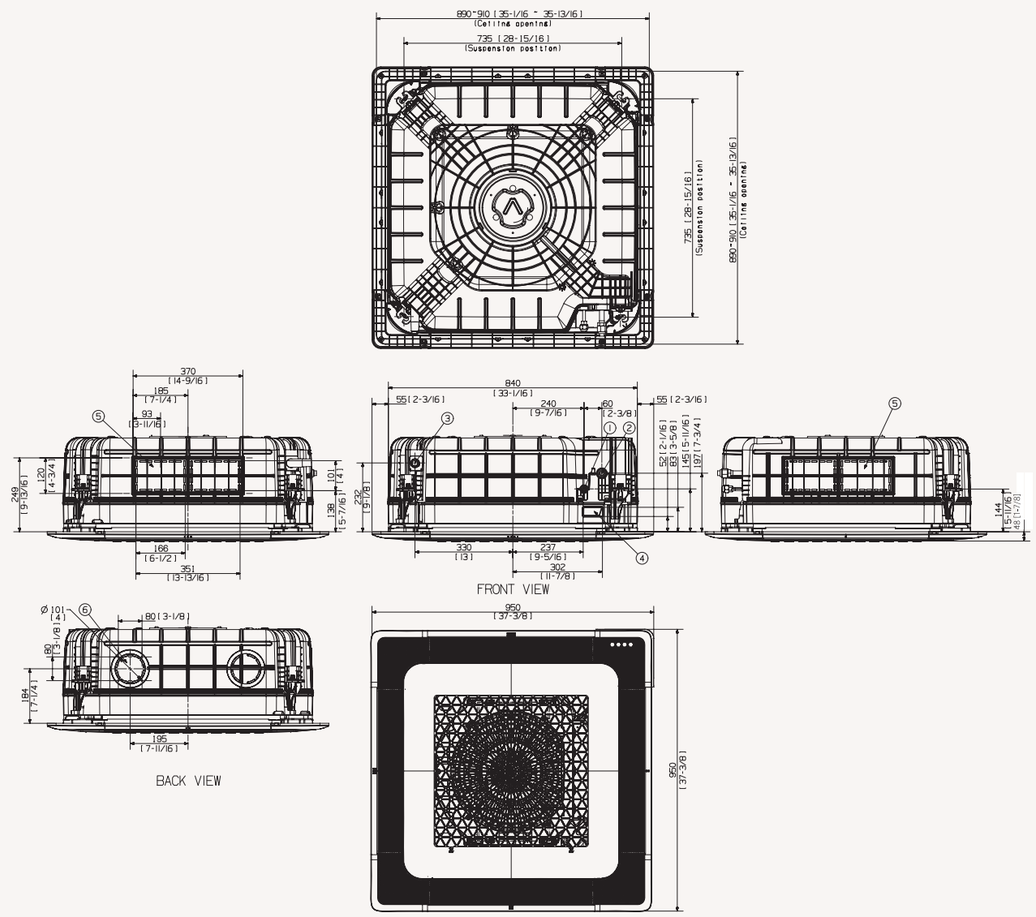
AM112NN4DEH/EU



No.	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/Communication wiring conduit	-
5	Fresh air intake knockout hole	Φ10[4] , Use M4 Screw

Note: As for suspension bolt, please use M8 ~ M10. (Procured at local site)

AM128/140NN4DEH/EU



No.	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/Communication wiring conduit	-
5	Fresh air intake knockout hole	Φ10[4] , Use M4 Screw

Note: As for suspension bolt, please use M8 ~ M10. (Procured at local site)

Specifications

Wind-Free™ Mini 4-Way Cassette

Model Name				AM015NNNDEH/EU	AM022NNNDEH/EU	AM028NNNDEH/EU	AM036NNNDEH/EU	AM045NNNDEH/EU	AM056NNNDEH/EU	AM060NNNDEH/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Performance	Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.6	6
		Heating		1.7	2.5	3.2	4	5	6.3	6.8
Power	Power Input	Cooling	W	18	18	18	20	23	28	31
		Heating		18	18	18	20	23	28	31
	Current Input	Cooling	A	0.17	0.17	0.17	0.19	0.22	0.27	0.3
		Heating		0.17	0.17	0.17	0.19	0.22	0.27	0.3
	Current	MCA	A	0.2	0.2	0.2	0.2	0.3	0.4	0.4
		MFA		15	15	15	15	15	15	15
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity		ea	1	1	1	1	1	1	1
	Air Flow Rate	H/M/L	m³/min	8.2/7.0/6.3	9.0/7.7/6.5	10.0/8.5/7.5	10.5/9.5/8.0	11.5/10.2/9.0	13.0/11.0/9.5	13.5/12.0/10.2
			l/s	137/117/105	150/128/108	167/142/125	175/158/133	192/170/150	217/183/158	225/200/170
Fan Motor	Model		-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1
Piping Connections	Liquid Pipe		Φ,mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35
			Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Φ,mm	12.7	12.7	12.7	12.7	12.7	12.7	12.7
			Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	Drain Pipe		Φ,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Wiring Connections	Communication	Min.	mm²	0.75	0.75	0.75	0.75	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Electronic Expansion Valve		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	H/M/L	dB(A)	30.0/28.0/23.0	32.0/29.0/25.0	33.0/30.0/26.0	34.0/30.0/26.0	36.0/34.0/32.0	39.0/36.0/33.0	40.0/38.0/35.0
	Sound Power	Cooling		46	47	50	51	53	56	57
Dimensions	Net Weight		kg	12	12	12	12	12	12	12
	Net Dimensions (W×H×D)		mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel	Model Name		-	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
Drain Pump	Drain Pump		-	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
	Max. lifting Height / Displacement		mm / Litre/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24

Accessories

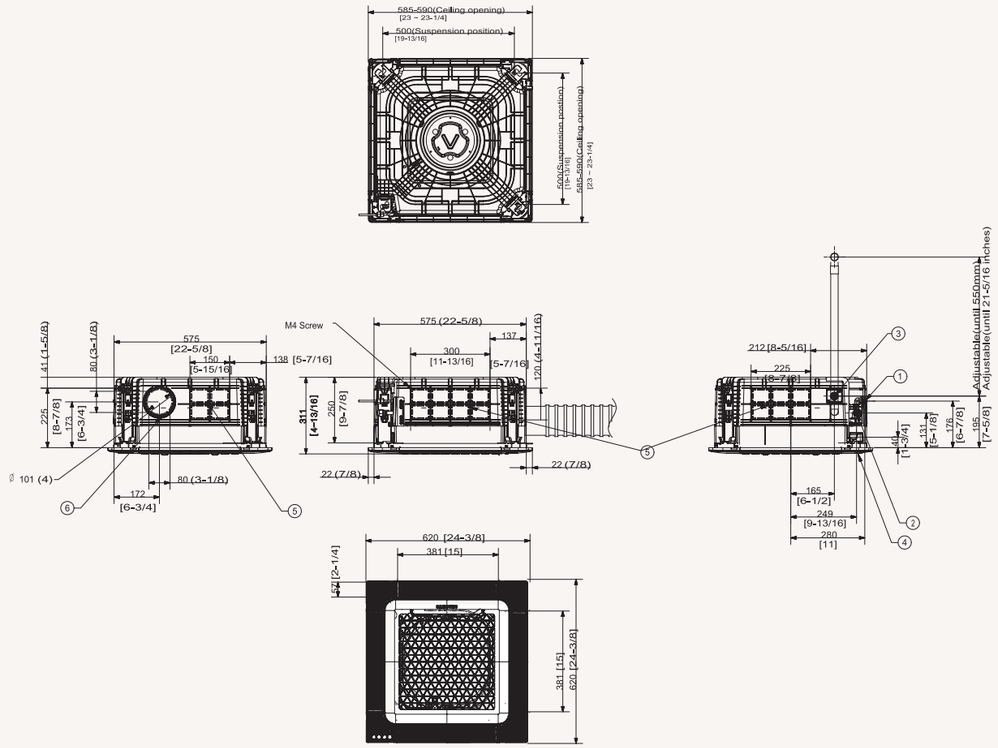
Individual Controllers (Optional)				Panel (Required)
				
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC4SUFMAN

VRF

Technical Drawings

Wind-Free™ Mini 4-Way Cassette

AM*NNNDEH/EU**



No.	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connection	Φ12.7(1/2)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Power supply/Communication wiring conduit	Use M4 Screw
5	Fresh air intake knockout hole	Φ10[4] , Use M4 Screw

Note: As for suspension bolt, please use M8 ~ M10. (Procured at local site)

VRF

Specifications

Duct S- Drain Pump Included

Model				AM036HNMPKH/EU	AM045HNMPKH/EU	AM056HNMPKH/EU	AM071HNMPKH/EU
Power Supply			Ø, #, V, Hz	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50
Performance	Capacity (Nominal)	Cooling	kW	3.6	4.5	5.6	7.1
		Heating	kW	4	5	6.3	8
Power	Power Input (Nominal)	Cooling	W	50	60	70	120
		Heating	W	50	60	70	120
	Current Input (Nominal)	Cooling	A	0.5	0.6	0.7	1
		Heating	A	0.5	0.6	0.7	1
	Current	MCA	A	1.04	1.26	1.26	1.52
		MFA/MOP	A	15	15	15	15
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Quantity		EA	2	2	2	2
	Air Flow Rate	H/M/L (UL)	m³/min	12.0 / 9.5 / 8.0	14.0 / 11.0 / 8.0	16.0 / 13.5 / 11.0	22.0 / 19.0 / 16.0
			l /s	200 / 158 / 133	233 / 183 / 133	267 / 225 / 183	367 / 317 / 267
	External Pressure	Min / Std / Max	mmAq	0 / 2.5 / 15	0 / 3 / 15	0 / 3 / 15	0 / 3 / 15
			Pa	0 / 24.5 / 147.2	0 / 29.4 / 147.2	0 / 29.4 / 147.2	0 / 29.4 / 147.2
Fan Motor	Model		-	BLDC motor(feed-back)	BLDC motor(feed-back)	BLDC motor(feed-back)	BLDC motor(feed-back)
	Output x n		W	153 x 1	153 x 1	153 x 1	153 x 1
Piping Connections	Liquid Pipe		Ø, mm	6.35	6.35	6.35	9.52
			Ø, inch	1/4"	1/4"	1/4"	3/8"
	Gas Pipe		Ø, mm	12.7	12.7	12.7	15.88
			Ø, inch	1/2"	1/2"	1/2"	5/8"
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Wiring connections	For power supply	Minimum	mm²	1.5	1.5	1.5	1.5
	Connection with Indoor	Minimum	mm²	0.75	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2	F1,F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control Method		-	EEV Included	EEV Included	EEV Included	EEV Included
Noise Level	Sound Pressure	High / Mid / Low	dB(A)	29/26/23	31/28/24	32/29/25	37/33/29
	Sound Power	Cooling (Nominal)	dB(A)	40	44	45	47
Dimensions	Net Weight		kg	25.5	25.5	25.5	25.5
	Net Dimensions (W×H×D)		mm	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700
Air filter	Type		-	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof
Additional Accessories	Drain pump	Drain pump	Model	MDP-G075SQ (built-in) MDP-G075SP (external)	MDP-G075SQ (built-in) MDP-G075SP (external)	MDP-G075SQ (built-in) MDP-G075SP (external)	MDP-G075SQ (built-in) MDP-G075SP (external)
		Max. lifting Height	mm	750	750	750	750

AM090HNMPKH/EU	AM112HNMPKH/EU	AM112HNHPKH/EU	AM128HNMPKH/EU	AM128HNHPKH/EU	AM140HNMPKH/EU	AM140HNHPKH/EU
1,2,220~240,50	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50
9	11.2	11.2	12.8	12.8	14	14
10	12.5	12.5	13.8	13.8	16	16
145	165	205	175	230	215	260
145	165	205	175	230	215	260
1.2	1.4	205	1.5	1.4	1.7	1.5
1.2	1.4	1.2	1.5	1.4	1.7	1.5
2.03	2.51	2.92	2.51	3.17	2.51	3.42
15	15	15	15	15	15	15
Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
3	3	3	3	3	3	3
29.0 / 25.0 / 22.0	35.0 / 29.0 / 22.0	35.0 / 29.0 / 22.0	38.0 / 32.0 / 25.0	38.0 / 32.0 / 25.0	42.0 / 34.0 / 25.0	42.0 / 34.0 / 25.0
483 / 417 / 367	583 / 483 / 367	583 / 483 / 367	633 / 533 / 417	633 / 533 / 417	700 / 567 / 417	700 / 567 / 417
0 / 4 / 15	0 / 5.2 / 15	3 / 6.2 / 20	0 / 5.2 / 15	3 / 6.2 / 20	0 / 5.2 / 15	3 / 6.2 / 20
0 / 39.2 / 147.2	0 / 51.0 / 147.2	0 / 60.8 / 196.2	0 / 51.0 / 147.2	0 / 60.8 / 196.2	0 / 51.0 / 147.2	0 / 60.8 / 196.2
BLDC motor(feed-back)	BLDC motor(feed-back)	BLDC motor(feed-back)	BLDC motor(feed-back)	BLDC motor(feed-back)	BLDC motor(feed-back)	BLDC motor(feed-back)
153 x 1	244 x 1	350 x 1	244 x 1	350 x 1	244 x 1	350 x 1
9.52	9.52	9.52	9.52	9.52	9.52	9.52
3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
15.88	15.88	15.88	15.88	15.88	15.88	15.88
5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
1.5	1.5	1.5	1.5	1.5	1.5	1.5
0.75	0.75	0.75	0.75	0.75	0.75	0.75
F1,F2	F1,F2	F1,F2	F1,F2	F1,F2	F1,F2	F1,F2
R410A	R410A	R410A	R410A	R410A	R410A	R410A
EEV Included	EEV Included	EEV Included	EEV Included	EEV Included	EEV Included	EEV Included
38/35/32	38/35/32	38/35/32	39/36/33	39/36/33	40/37/33	40/37/34
44	45	46	46	47	47	49
33	38	46.5	38	46.5	38	46.5
1200 x 250 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700
Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof	Removable / Washable / Mildew proof
MDP-G075SQ (built-in) MDP-G075SP (external)	MDP-G075SQ (built-in) MDP-G075SP (external)	MDP-G075SQ (built-in) MDP-G075SP (external)	MDP-G075SQ (built-in) MDP-G075SP (external)	MDP-G075SQ (built-in) MDP-G075SP (external)	MDP-G075SQ (built-in) MDP-G075SP (external)	MDP-G075SQ (built-in) MDP-G075SP (external)
750	750	750	750	750	750	750

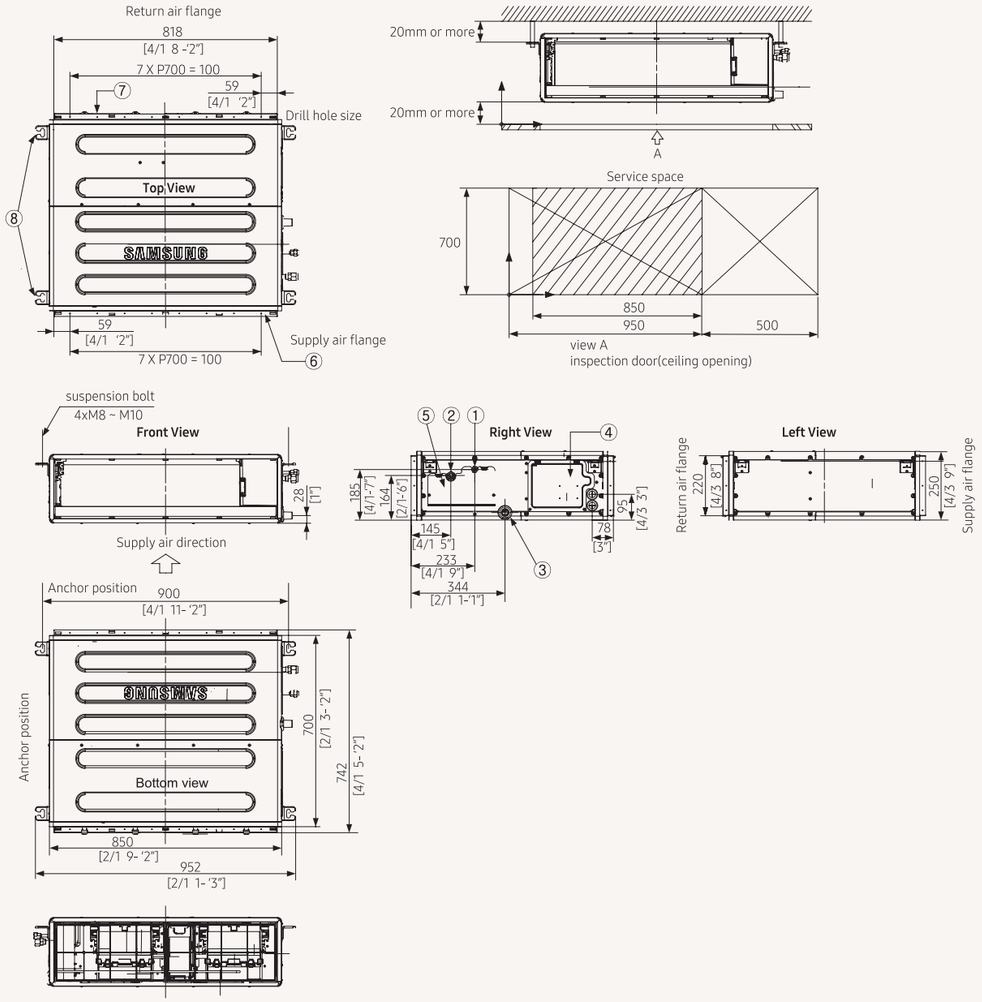
Accessories

Drain Pump		Individual Controllers (Optional)			Others (Optional)	
 MDP-G075SP (external)	 MDP-G075SQ (build-in)	 AR-EH03E (to be matched with MRK-A10N)	 MWR-SH11N	 MWR-WE13N	 MIM-H03N	 MRK-A10N (to be matched with AR-EH03E)	 MRW-TA

Technical Drawings

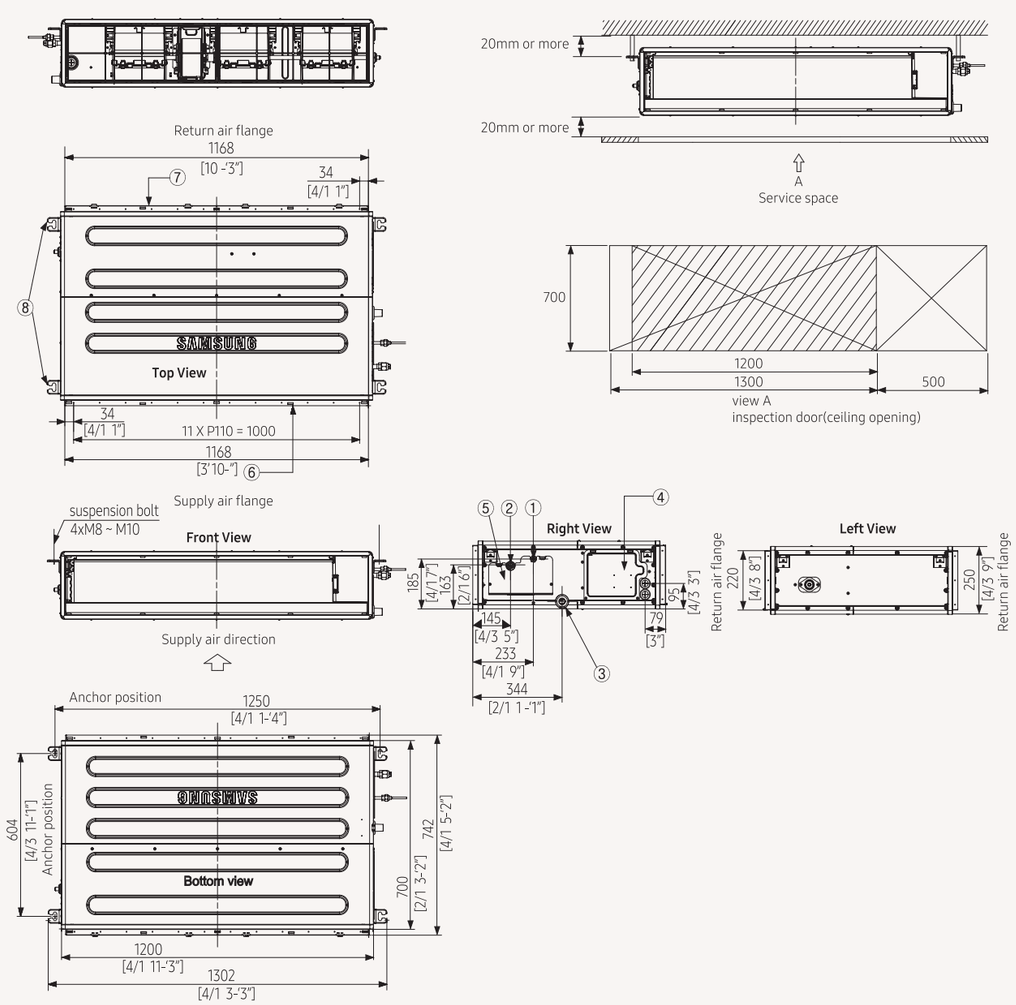
Duct S- Drain Pump Included

AM036HNMPKH/EU, AM045HNMPKH/EU, AM056HNMPKH/EU, AM071HNMPKH/EU



No.	Name	Description
1	Refrigerant liquid pipe	Ø6.35 [1/4"] Flare
2	Refrigerant gas pipe	Ø12.7 [1/2"] Flare
3	Condensate drain	VP25 (OD 32, ID 25)
4	Power & Comm. wiring conduits	-
5	Refrigerant pipe conduits	-
6	Supply air flange	-
7	Return air flange	-
8	Hook	-

AM090HNMPKH/EU

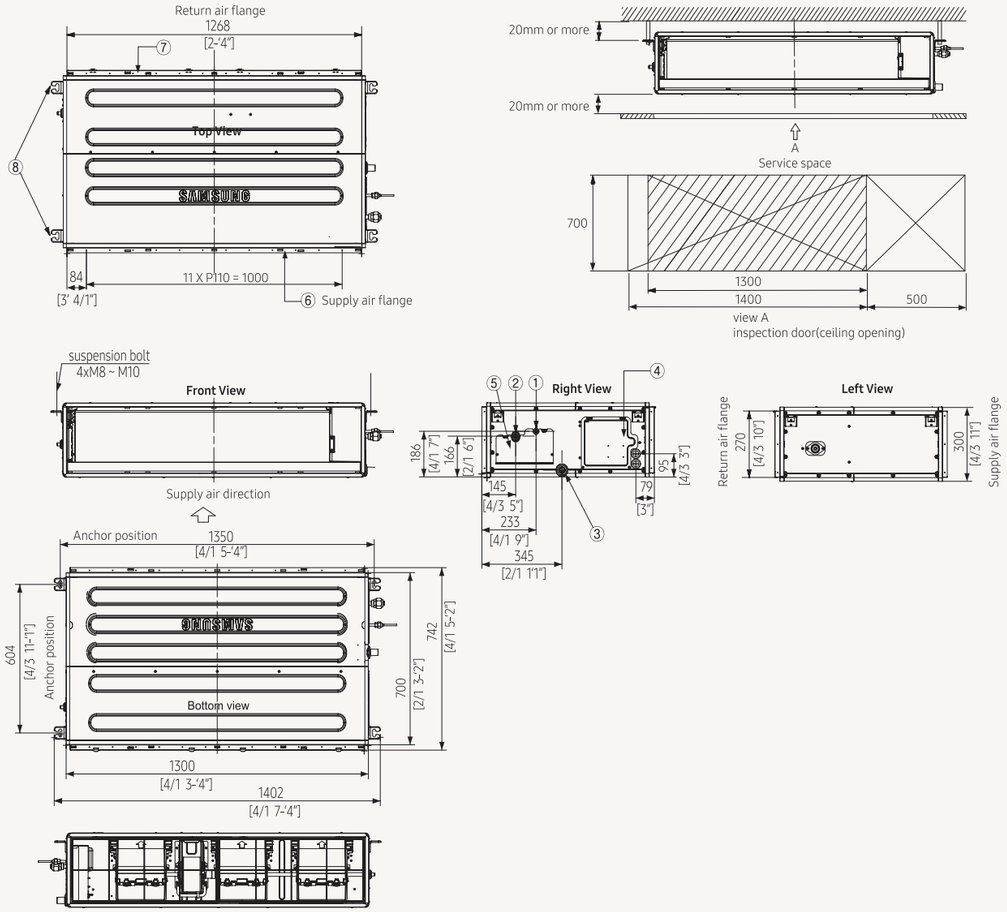


No.	Name	Description
1	Refrigerant liquid pipe	Ø9.52 [3/8"] Flare connection
2	Refrigerant gas pipe	Ø15.88 [5/8"] Flare connection
3	Condensate drain	VP25 (OD 32, ID 25)
4	Power & Comm. wiring conduits	-
5	Refrigerant pipe conduits	-
6	Supply air flange	-
7	Return air flange	-
8	Hook	-

Technical Drawings

Duct S- Drain Pump Included

AM112HNMPKH/EU, AM128HNMPKH/EU, AM140HNMPKH/EU, AM112HNHPKH/EU, AM128HNHPKH/EU, AM140HNHPKH/EU



No.	Name	Description
1	Refrigerant liquid pipe	Ø9.52 [3/8"] Flare connection
2	Refrigerant gas pipe	Ø15.88 [5/8"] Flare connection
3	Condensate drain	VP25 (OD 32, ID 25)
4	Power & Comm. wiring conduits	-
5	Refrigerant pipe conduits	-
6	Supply air flange	-
7	Return air flange	-
8	Hook	-

Specifications

LSP Slim Duct - Drain Pump Excluded

Model				AM017FNLDEH/EU	AM022FNLDEH/EU	AM028FNLDEH/EU	AM036FNLDEH/EU	AM045FNLDEH/EU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Performance	Capacity (Nominal)	Cooling	kW	1,7	2,2	2,8	3,6	4,5
		Heating		1,9	2,5	3,2	4	5
Power	Power Input (Nominal)	Cooling	W	55	55	60	65	90
		Heating		55	55	60	65	90
	Current Input (Nominal)	Cooling	A	0,3	0,3	0,32	0,33	0,52
		Heating		0,3	0,3	0,32	0,33	0,52
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Number of unit	EA	1	1	1	1	1
	Airflow Rate		m³/min	5.5 / 4.3 / 3.2	7.0 / 6.1 / 5.3	7.5 / 6.6 / 5.6	7.5 / 6.6 / 5.6	11.0 / 9.6 / 8.3
		H/M/L (UL)	l/s	91.67/71.67/53.33	116.67/101.67/88.33	125.00/110.00/93.33	125.00/110.00/93.33	183.33/160.00/138.33
	External Static Pressure	Mid/Std/Max	mmAq	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0	0.0 / 2.0 / 4.0
			Pa	0.00/9.81/29.42	0.00/9.81/29.42	0.00/9.81/29.42	0.00/9.81/29.42	0.00/19.61/39.23
			WG	0/0.039/0.118	0/0.039/0.118	0/0.039/0.118	0/0.039/0.118	0/0.079/0.157
Piping Connections	Liquid Pipe		Ø, mm	6,35	6,35	6,35	6,35	6,35
			Ø, inch	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Ø, mm	12,7	12,7	12,7	12,7	12,7
			Ø, inch	1/2"	1/2"	1/2"	1/2"	1/2"
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	Below 20m/ over 20m	mm²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm²	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound pressure	High / Mid / Low	dBA	23 / 22 / 20	26 / 24 / 21	28 / 26 / 23	32 / 30 / 27	35 / 31 / 26
Dimensions	Net Weight		kg	19	19	19	19,5	24
	Net Dimensions (WxHxD)		mm	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	900 x 199 x 600
Additional Accessories	Drain Pump	Drain Pump	-	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D
		Max. Lifting Height/ Displacement	mm/ liter/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		-	Long Life Filter	Long Life Filter	Long Life Filter	Long Life Filter	Long Life Filter

AM056FNLDEH/EU	AM071FNLDEH/EU	AM090FNLDEH/EU	AM112FNLDEH/EU	AM128FNLDEH/EU	AM140FNLDEH/EU
1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
5,6	7,1	9	11,2	12,8	14
6,3	8	10	12,5	13,8	16
95	120	170	170	200	220
95	120	170	170	200	220
0,53	0,6	0,96	0,96	1,28	1,43
0,53	0,6	0,96	0,96	1,28	1,43
Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
1	1	1	1	1	1
12.0 / 10.5 / 9.0	16.5 / 15.0 / 13.5	29.0 / 27.0 / 25.0	31.2 / 29.0 / 27.0	34.0 / 32.0 / 30.0	36.0 / 34.0 / 32.0
200.00/175.00/150.00	275.00/250.00/225.00	483.33/450.00/416.67	520.00/483.33/450.00	566.67/533.33/500.00	600.00/566.67/533.33
0.0 / 2.0 / 4.0	0.0 / 2.0 / 4.0	0.0 / 3.0 / 6.0	0.0 / 3.0 / 6.0	0.0 / 3.0 / 6.0	0.0 / 3.0 / 6.0
0.00/19.61/39.23	0.00/19.61/39.23	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84
0/0.079/0.157	0/0.079/0.157	0/0.118/0.236	0/0.118/0.236	0/0.118/0.236	0/0.118/0.236
6,35	9,52	9,52	9,52	9,52	9,52
1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
12,7	15,88	15,88	15,88	15,88	15,88
1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
0.75 ~ 1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
R410A	R410A	R410A	R410A	R410A	R410A
EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
36 / 34 / 31	38 / 36 / 33	37 / 36 / 34	37 / 36 / 34	37 / 36 / 34	39 / 38 / 36
24	30	40	40	41,5	41,5
900 x 199 x 600	1,100 x 199 x 600	1,300 x 295 x 690	1,300 x 295 x 690	1,300 x 295 x 690	1,300 x 295 x 690
MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D
750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
Long Life Filter	Long Life Filter	Long Life Filter	Long Life Filter	Long Life Filter	Long Life Filter

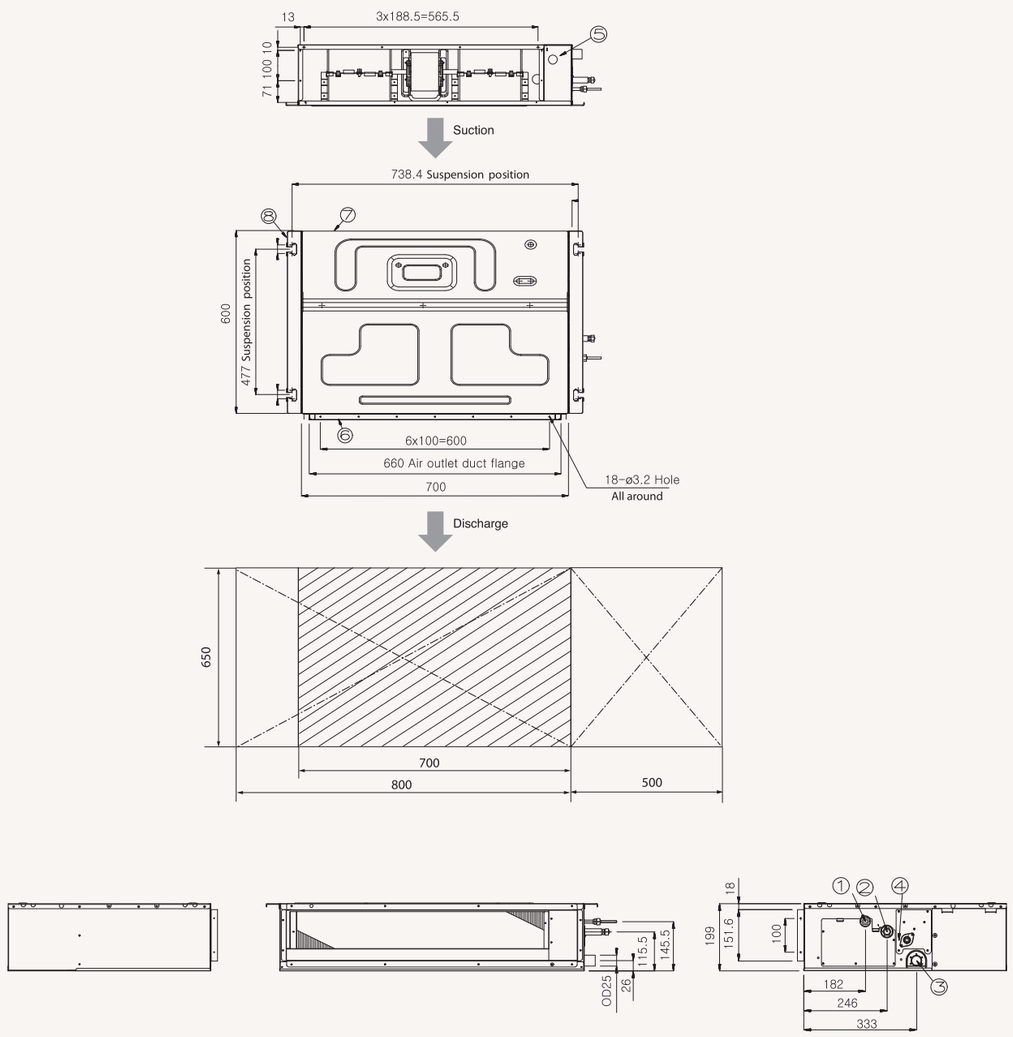
Accessories

Drain Pump (Optional)	Individual Controllers (Optional)			Others (Optional)		
						
MDP-E075SEE3D	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WE13N	MIM-H03N	MRK-A10N (to be matched with AR-EH03E)	MRW-TA

Dimensional Drawings

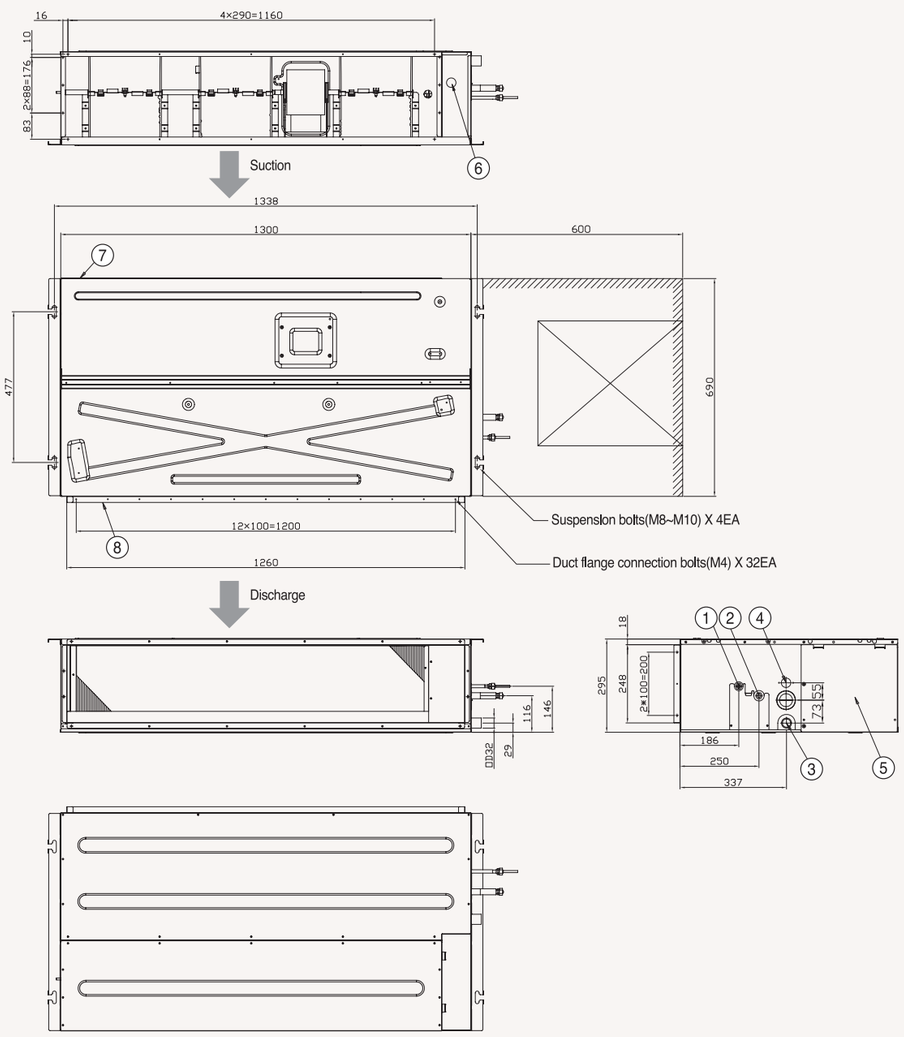
LSP Slim Duct - Drain Pump Excluded

AM017/022/028/036FNLDEH/EU



No.	Name	Description
1	Liquid pipe connection	ø6.35 Flare
2	Gas pipe connection	ø12.70 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Return air side	-
8	Hook	ø9.52 or M10

AM090 /112/128/140*NLDEH/EU



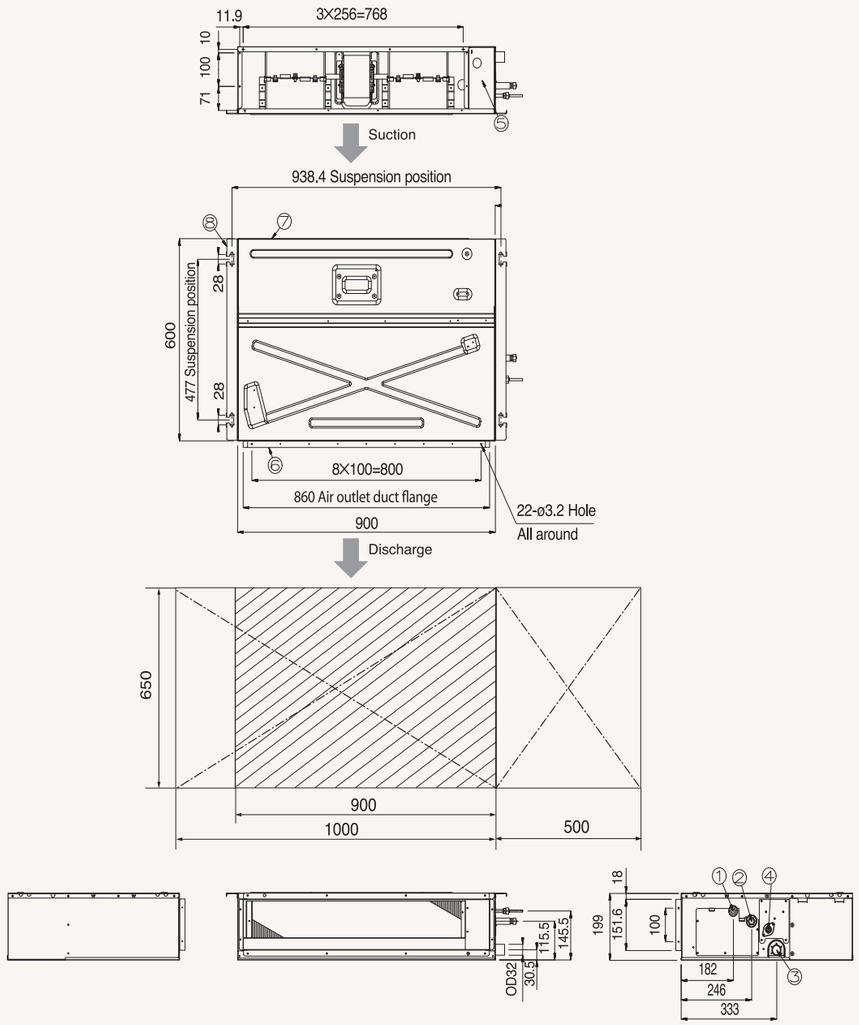
No.	Name	Description
1	Liquid pipe connection	Ø9.52 Flare
2	Gas pipe connection	Ø15.88 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Return air side	-
8	Hook	-

Dimensional Drawings

LSP Slim Duct - Drain Pump Excluded

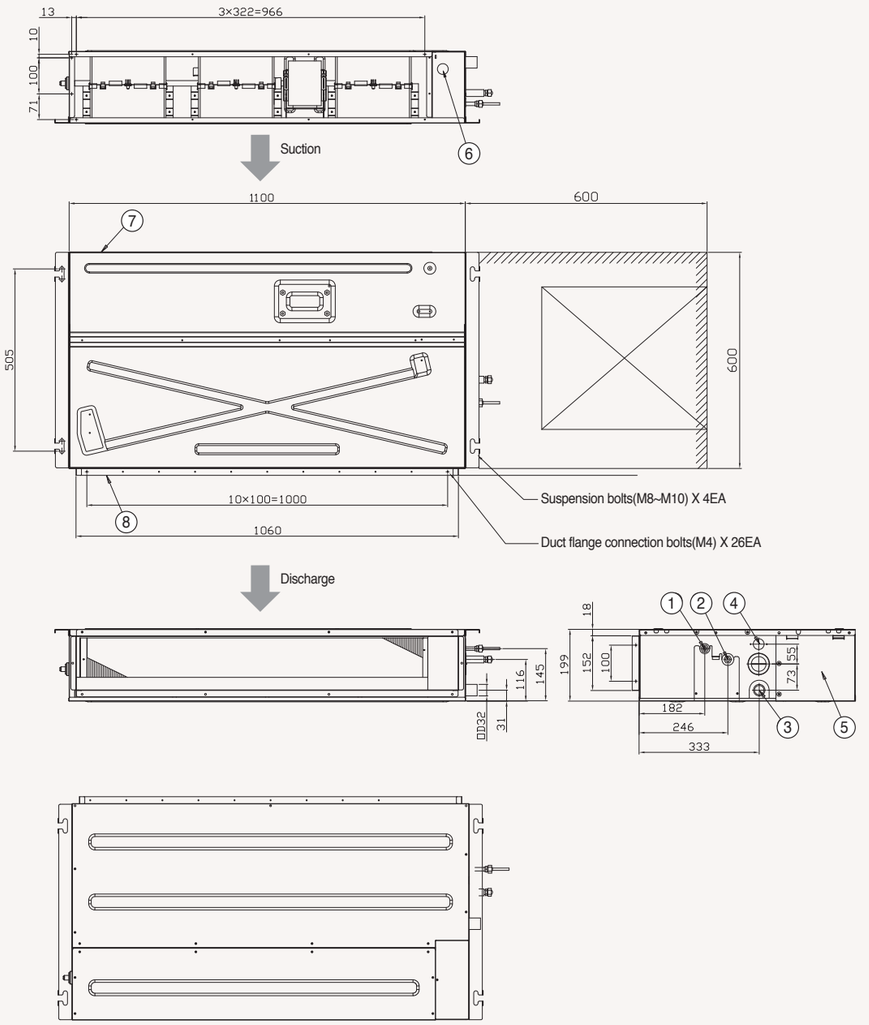
VRF

AM045/056*NLDEH/EU



No.	Name	Description
1	Liquid pipe connection	ø6.35 Flare
2	Gas pipe connection	ø12.70 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Return air side	-
8	Hook	-

AM071*NLDEH/EU



No.	Name	Description
1	Liquid pipe connection	Ø9.52 Flare
2	Gas pipe connection	Ø15.88 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Return air side	-
8	Hook	-

Specifications

LSP Slim Duct - Drain Pump Included

Model				AM017KNLDEH/EU	AM022KNLDEH/EU	AM028KNLDEH/EU	AM036KNLDEH/EU	AM045KNLDEH/EU	AM056KNLDEH/EU	AM071KNLDEH/EU	AM090KNLDEH/EU	AM112KNLDEH/EU	AM128KNLDEH/EU	AM140KNLDEH/EU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Performance	Capacity (Nominal)	Cooling	kW	1,7	2,2	2,8	3,6	4,5	5,6	7,1	9	11,2	12,8	14
		Heating		1,9	2,5	3,2	4	5	6,3	8	10	12,5	13,8	16
Power	Power Input (Nominal)	Cooling	W	28	30	34	40	90	95	120	170	170	200	220
		Heating		28	30	36	42	90	95	120	170	170	200	220
	Current Input (Nominal)	Cooling	A	0,23	0,25	0,28	0,33	0,52	0,53	0,6	0,96	0,96	1,28	1,43
		Heating		0,23	0,25	0,3	0,35	0,52	0,53	0,6	0,96	0,96	1,28	1,43
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor	Output x n	W	69 x 1	69 x 1	69 x 1	69 x 1	-	-	-	-	-	-	-
	Airflow Rate	H/M/L (UL)	m³/min	5.45 / 4.45 / 3.80	6.00 / 4.90 / 3.80	7.05 / 5.15 / 4.35	8.20 / 6.50 / 4.90	11.00/9.60/8.30	12.00/10.50/9.00	16.50/15.00/13.50	29.00/27.00/25.00	31.20/29.00/27.00	34.00/32.00/30.00	36.00/34.00/32.00
			l/s	90.83 / 74.17 / 63.33	100 / 81.67 / 63.33	117.5 / 85.83 / 72.5	136.67 / 108.33 / 81.67	183.33/160.00/138.33	200.00/175.00/150.00	275.00/250.00/225.00	483.33/450.00/416.67	520.00/483.33/450.00	566.67/533.33/500.00	600.00/566.67/533.33
	External Static Pressure	Min / Std / Max	mmAq	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0	0.00/2.00/4.00	0.00/2.00/4.00	0.00/2.00/4.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00
			Pa	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42	0.00/19.61/39.23	0.00/19.61/39.23	0.00/19.61/39.23	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84	0.00/29.42/58.84
Piping Connections	Liquid Pipe		Ø, mm	6,35	6,35	6,35	6,35	6,35	6,35	9,52	9,52	9,52	9,52	9,52
			Ø, inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe		Ø, mm	12,7	12,7	12,7	12,7	12,7	12,7	15,88	15,88	15,88	15,88	15,88
			Ø, inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire		mm²	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound Data	Sound Pressure Level	High / Mid / Low	dB(A)	25 / 22 / 19	26 / 23 / 19	28 / 24 / 19	31 / 26 / 20	35 / 31 / 26	36 / 34 / 31	38 / 36 / 33	37 / 36 / 34	37 / 36 / 34	37 / 36 / 34	39 / 38 / 36
	Sound Power Level	Cooling		40	42	44	46	53	55	57	66	66	66	68
Dimensions	Net Weight		kg	15,3	15,3	15,3	15,7	24,5	24,5	30,5	40,5	40,5	42	42
	Net Dimensions (W×H×D)		mm	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440	900 x 199 x 600	900 x 199 x 600	1100 x 199 x 600	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690
Additional Accessories	Drain pump	Drain pump	-	Included	Included	Included	Included	Included	Included	Included	Included	Included	Included	Included
		Max. lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		-	Filter Included	Filter Included	Filter Included	Filter Included	Filter Included	Filter Included	Filter Included	Filter Included	Filter Included	Filter Included	Filter Included

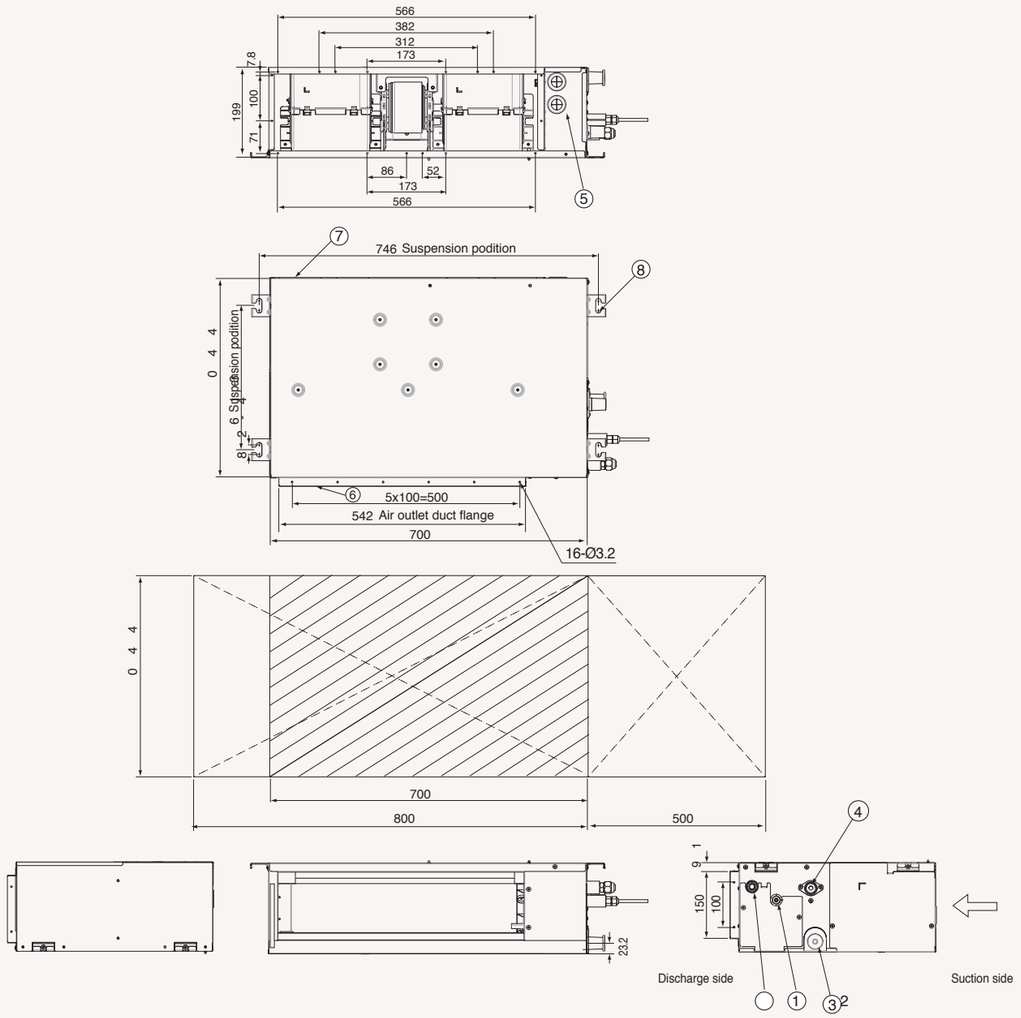
Accessories

Drain Pump (Optional)		Individual Controllers (Optional)				Others (Optional)	
							
MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WE13N	MIM-H03N	MRK-A10N (to be matched with AR-EH03E)	MRW-TA

Dimensional Drawings

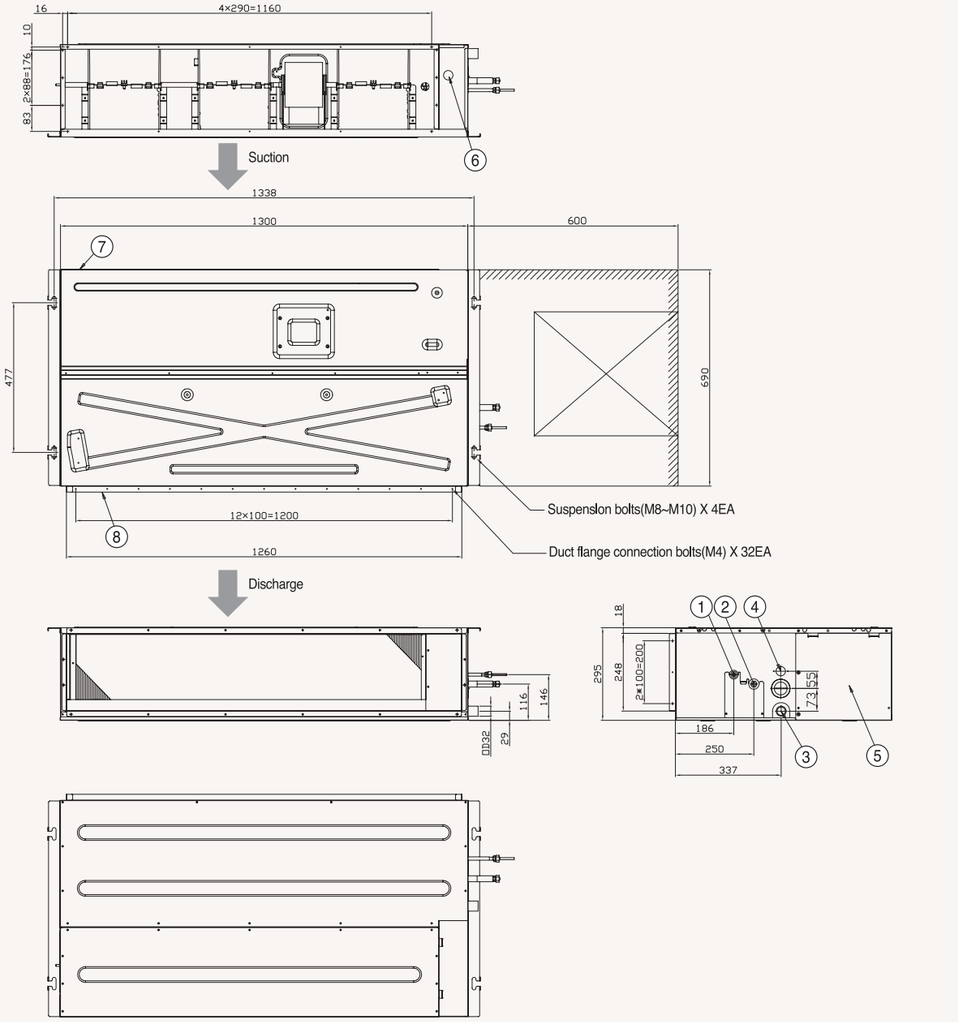
LSP Slim Duct - Drain Pump Included

AM017/022/028/036KNLDEH/EU



No.	Name	Description
1	Liquid pipe connection	ø6.35 Flare
2	Gas pipe connection	ø12.70 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Return air side	-
8	Hook	ø9.52 or M10

AM090/112/128/140*NLDEH/EU



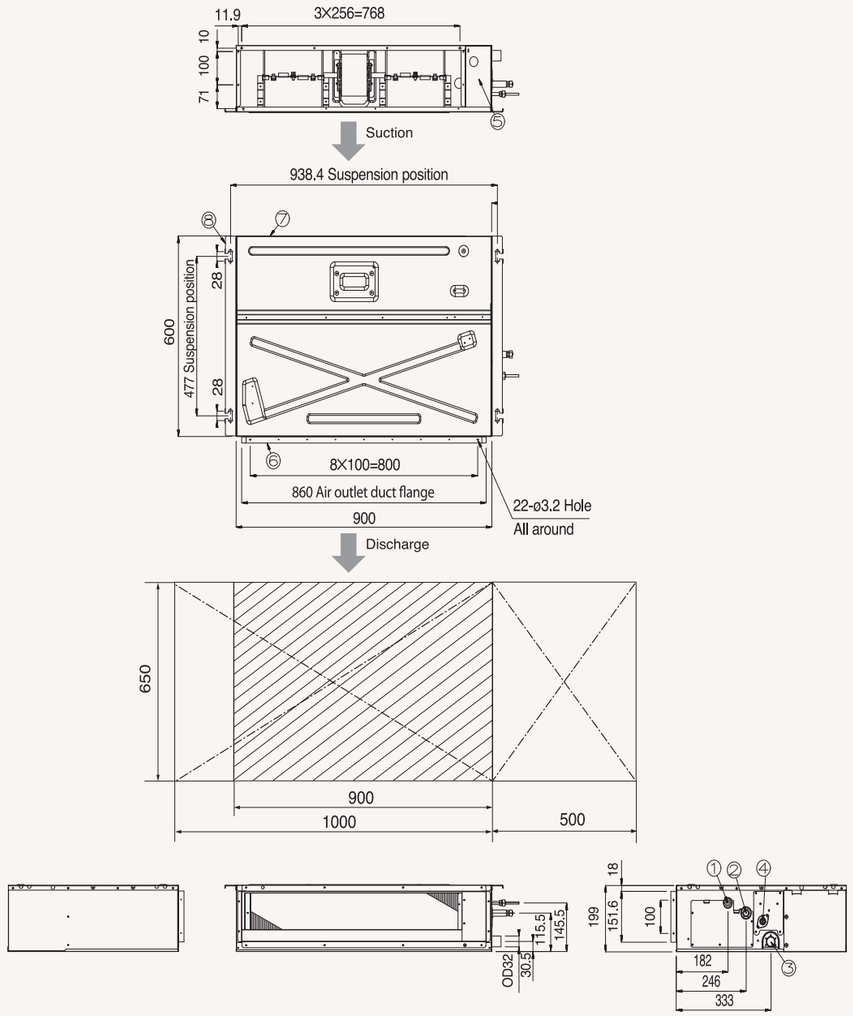
No.	Name	Description
1	Liquid pipe connection	Ø9.52 Flare
2	Gas pipe connection	Ø15.88 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Return air side	-
8	Hook	-

VRF

Dimensional Drawings

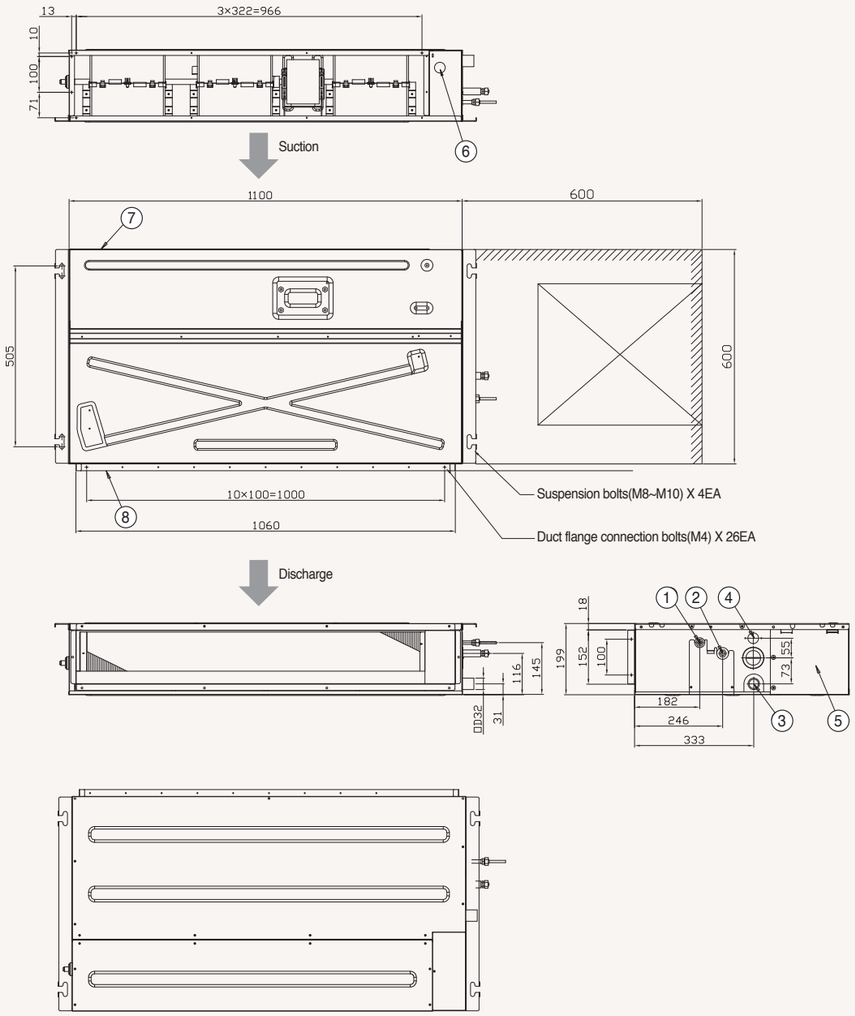
LSP Slim Duct - Drain Pump Included

AM045/056*NLDEH/EU



No.	Name	Description
1	Liquid pipe connection	ø6.35 Flare
2	Gas pipe connection	ø12.70 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Return air side	-
8	Hook	-

AM071*NLDEH/EU



No.	Name	Description
1	Liquid pipe connection	Ø9.52 Flare
2	Gas pipe connection	Ø15.88 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Return air side	-
8	Hook	-

VRF

Specifications

MSP Duct - Drain Pump Excluded

Model				AM022FNMDEH/EU	AM028FNMDEH/EU	AM036FNMDEH/EU	AM045FNMDEH/EU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Performance	Capacity (Nominal)	Cooling	kW	2,2	2,8	3,6	4,5
		Heating		2,5	3,2	4	5
Power	Power Input (Nominal)	Cooling	W	80	80	85	125
		Heating		80	80	85	125
	Current Input (Nominal)	Cooling	A	0,4	0,4	0,55	1,15
		Heating		0,4	0,4	0,55	1,15
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	W	69 x 1	69 x 1	112 x 1	219 x 1
		Quantity	EA	1	1	1	1
	Airflow Rate	H/M/L (UL)	m³/min	8.50/7.50/6.30	10.00/9.20/7.50	12.00/10.20/8.80	14.00/12.00/10.50
			l/s	141.67/125.00/105.00	166.67/153.33/125.00	200.00/170.00/146.67	233.33/200.00/175.00
	External Static Pressure	Mid/Std/ Max	mmAq	0.00/2.00/6.00	0.00/2.00/6.00	0.00/2.00/6.00	0.00/4.00/8.00
			Pa	0.00/19.61/58.84	0.00/19.61/58.84	0.00/19.61/58.84	0.00/39.23/78.45
			WG	0/0.079/0.236	0/0.079/0.236	0/0.079/0.236	0/0.157/0.314
Piping Connections	Liquid Pipe		Ø, mm	6,35	6,35	6,35	6,35
			Ø, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Ø, mm	12,7	12,7	12,7	12,7
			Ø, inch	1/2"	1/2"	1/2"	1/2"
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	Below 20m/ over 20m	mm²	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5
	Transmission Cable		mm²	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound pressure	High / Mid / Low	dBA	23 / 21 / 19	24 / 22 / 19	29 / 27 / 24	32 / 30 / 28
Dimensions	Net Weight		kg	23,5	23,5	23,5	28
	Net Dimensions (WxHxD)		mm	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	900 x 260 x 480
Additional Accessories	Drain Pump	Drain Pump	-	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-M075SGU3D
		Max. Lifting Height/ Displace-ment	mm/ liter/h	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		-	Long Life Filter	Long Life Filter	Long Life Filter	Long Life Filter

AM056FNMDEH/EU	AM071FNMDEH/EU	AM090FNMDEH/EU	AM112FNMDEH/EU
1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
5,6	7,1	9	11,2
6,3	8	10	12,5
130	190	240	260
130	190	240	260
1,1	1,25	1,3	1,17
1,1	1,25	1,3	1,17
Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
124 x 1	124 x 1	130 x 1	130 x 1
1	1	1	1
14.50/13.00/11.50	18.50/17.00/15.50	19.50/18.00/16.50	27.00/25.00/23.00
241.67/216.67/191.67	308.33/283.33/258.33	325.00/300.00/275.00	450.00/416.67/383.33
0.00/4.00/8.00	0.00/4.00/8.00	4.00/6.00/8.00	4.00/8.00/12.00
0.00/39.23/78.45	0.00/39.23/78.45	39.23/58.84/78.45	39.23/78.45/117.68
0/0.157/0.314	0/0.157/0.314	0.157/0.236/0.315	0.236/0.314/0.472
6,35	9,52	9,52	9,52
1/4"	3/8"	3/8"	3/8"
12,7	15,88	15,88	15,88
1/2"	5/8"	5/8"	5/8"
VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5
0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
R410A	R410A	R410A	R410A
EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
35 / 33 / 31	39 / 35 / 31	40 / 37 / 34	41 / 40 / 38
28	28	32	35,5
900 x 260 x 480	900 x 260 x 480	1150 x 260 x 480	1150 x 320 x 480
MDP-M075SGU3D	MDP-M075SGU3D	MDP-M075SGU1D	MDP-M075SGU1D
750 / 24	750 / 24	750 / 24	750 / 24
Long Life Filter	Long Life Filter	Long Life Filter	Long Life Filter

Accessories

Drain pump (Included)	Individual Controllers (Optional)				Others (Optional)	
 MDP-E075SEE3D	 MDP-N047SNC1D	 AR-EH03E (to be matched with MRK-A10N)	 MWR-SH11N	 MWR-WE13N	 MIM-H03N	 MRK-A10N (to be matched with AR-EH03E)	 MRW-TA

Specifications

MSP Duct - Drain Pump Included

Model				AM022KNMDEH/EU	AM028KNMDEH/EU	AM036KNMDEH/EU	AM045KNMDEH/EU	AM056KNMDEH/EU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Performance	Capacity (Nominal)	Cooling	kW	2,2	2,8	3,6	4,5	5,6
		Heating		2,5	3,2	4	5	6,3
Power	Power Input (Nominal)	Cooling	W	80	80	85	125	130
		Heating		80	80	85	125	130
	Current Input (Nominal)	Cooling	A	0,4	0,4	0,55	1,15	1,1
		Heating		0,4	0,4	0,55	1,15	1,1
	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	W	69 x 1	69 x 1	112 x 1	219 x 1	124 x 1
		Quantity	EA	1	1	1	1	1
	Airflow Rate	H/M/L (UL)	m³/min	8.50/7.50/6.30	10.00/9.20/7.50	12.00/10.20/8.80	14.00/12.00/10.50	14.50/13.00/11.50
			l/s	141.67/125.00/105.00	166.67/153.33/125.00	200.00/170.00/146.67	233.33/200.00/175.00	241.67/216.67/191.67
	External Static Pressure	Min / Std / Max	mmAq	0.00/2.00/6.00	0.00/2.00/6.00	0.00/2.00/6.00	0.00/4.00/8.00	0.00/4.00/8.00
			Pa	0.00/19.61/58.84	0.00/19.61/58.84	0.00/19.61/58.84	0.00/39.23/78.45	0.00/39.23/78.45
Piping Connections	Liquid Pipe		Ø, mm	6,35	6,35	6,35	6,35	6,35
			Ø, inch	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Ø, mm	12,7	12,7	12,7	12,7	12,7
			Ø, inch	1/2"	1/2"	1/2"	1/2"	1/2"
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire		mm 2	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm 2	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound Data	Sound Pressure Level	High / Mid / Low	dB(A)	23 / 21 / 19	24 / 22 / 19	29 / 27 / 24	32 / 30 / 28	35 / 33 / 31
	Sound Power Level	Cooling		47	48	53	54	57
Dimensions	Net Weight		kg	24	24	24	28,5	28,5
	Net Dimensions (W×H×D)		mm	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	900 x 260 x 480	900 x 260 x 480
Additional Accessories	Drain pump	Drain pump	-	Included	Included	Included	Included	Included

AM071KNMDEH/EU	AM090KNMDEH/EU	AM112KNMDEH/EU	AM128KNMDEH/EU	AM140KNMDEH/EU	AM160KNMDEH/EU
1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
7,1	9	11,2	12,8	14	16
8	10	12,5	13,8	16	18
190	240	260	370	410	485
190	240	260	370	410	485
1,25	1,3	1,17	1,67	1,86	2,24
1,25	1,3	1,17	1,67	1,86	2,24
Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
124 x 1	130 x 1	130 x 1	218 x 1	218 x 1	370 x 1
1	1	1	1	1	1
18.50/17.00/15.50	19.50/18.00/16.50	27.00/25.00/23.00	32.00/30.00/28.00	37.00/34.00/31.00	43.00 / 38.00 / 30.50
308.33/283.33/258.33	325.00/300.00/275.00	450.00/416.67/383.33	533.33/500.00/466.67	616.67/566.67/516.67	716.67 / 633.33 / 508.33
0.00/4.00/8.00	4.00/6.00/8.00	4.00/8.00/12.00	4.00/8.00/14.00	4.00/8.00/14.00	4.00 / 8.00 / 14.00
0.00/39.23/78.45	39.23/58.84/78.45	39.23/78.45/117.68	39.23/78.45/137.29	39.23/78.45/137.29	39.20 / 78.40 / 137.20
9,52	9,52	9,52	9,52	9,52	9,52
3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
15,88	15,88	15,88	15,88	15,88	15,88
5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 - 2.5
0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 - 1.50
R410A	R410A	R410A	R410A	R410A	R410A
EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
39 / 35 / 31	40 / 37 / 34	41 / 40 / 38	41 / 40 / 38	42 / 39 / 36	43 / 40 / 36
61	63	66	66	68	69
28,5	32,5	36	48,5	48,5	50
900 x 260 x 480	1150 x 260 x 480	1150 x 320 x 480	1200 x 360 x 650	1200 x 360 x 650	1,200 x 360 x 650
Included	Included	Included	Included	Included	Included

Accessories

Individual Controllers (Optional)

Others (Optional)

MDP-E075SEE3D

MDP-M075SGU1D

AR-EH03E
(to be matched with MRK-A10N)

MWR-SH11N

MWR-WE13N

MIM-H03N

MRK-A10N
(to be matched with AR-EH03E)

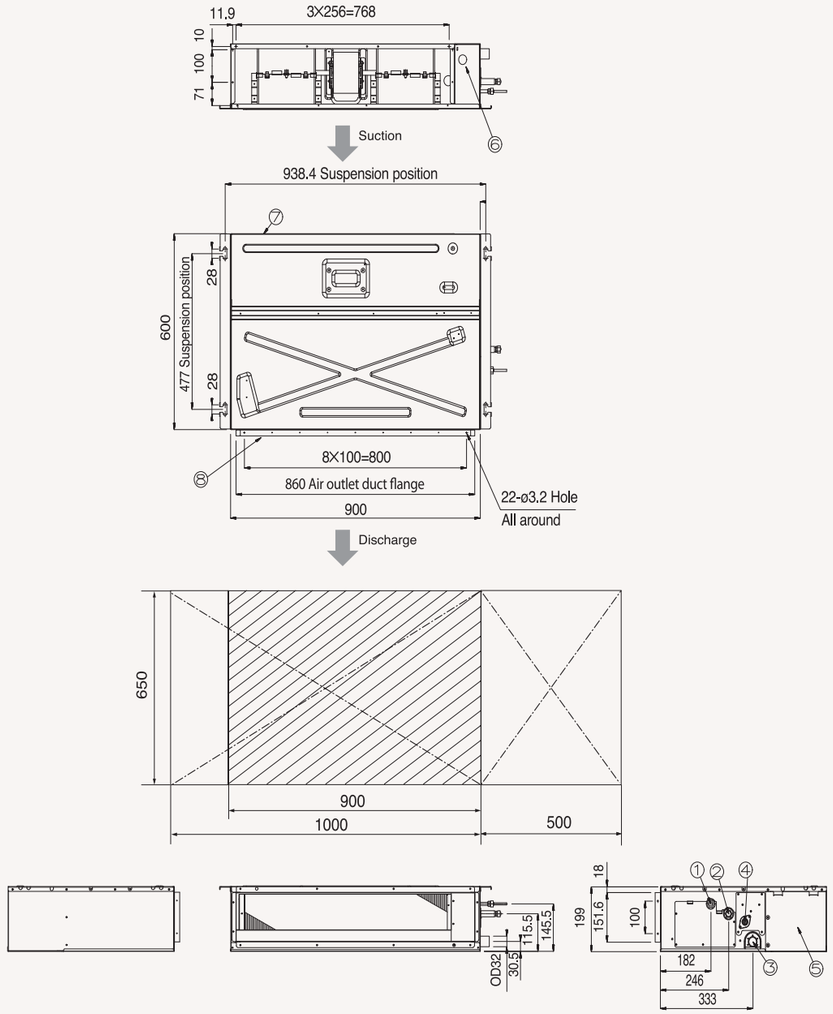
MRW-TA

VRF

Dimensional Drawings

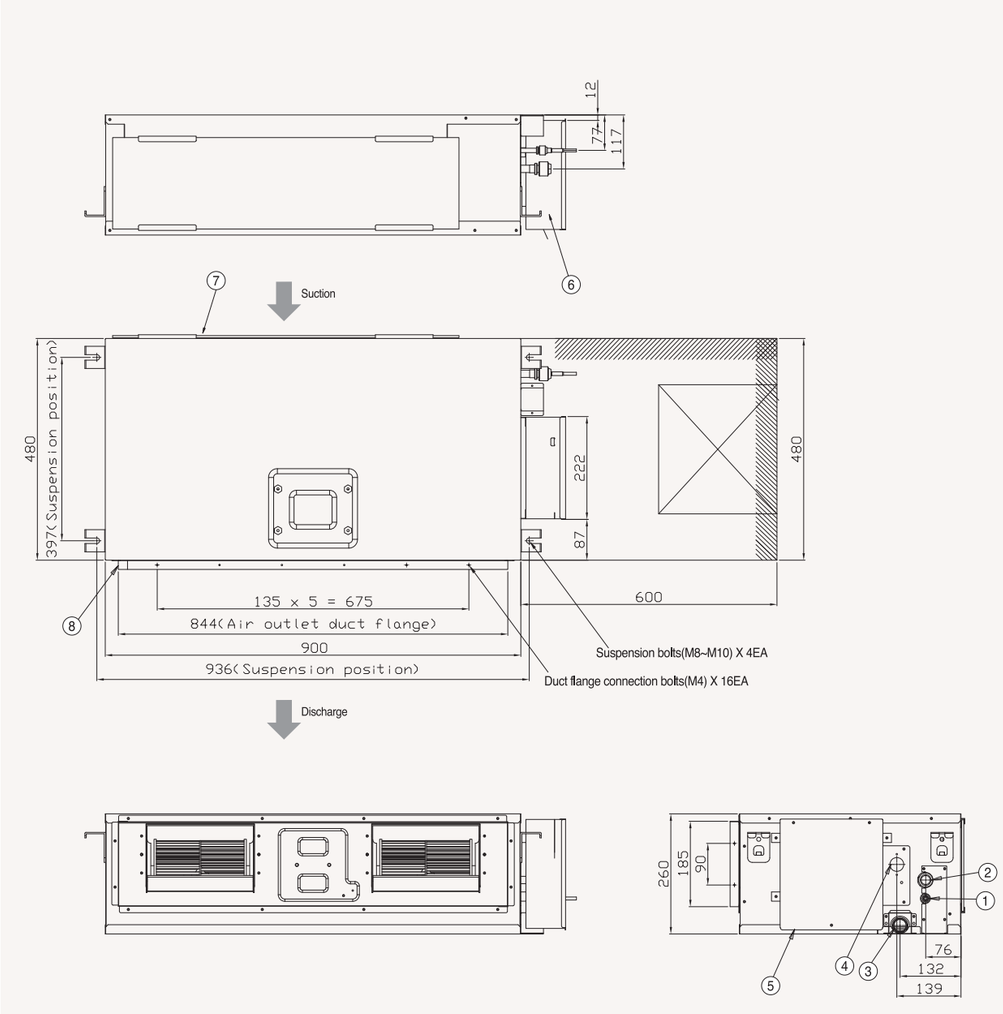
MSP Duct

AM022/028/036*NMDEH/EU



No.	Name	Description
1	Liquid pipe connection	Ø6.35 Flare
2	Gas pipe connection	Ø12.70 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Control unit	-
6	Conduit for power supply & communication wiring	-
7	Return air side	-
8	Air outlet duct flange	-

AM045/056/071*NMDEH/EU

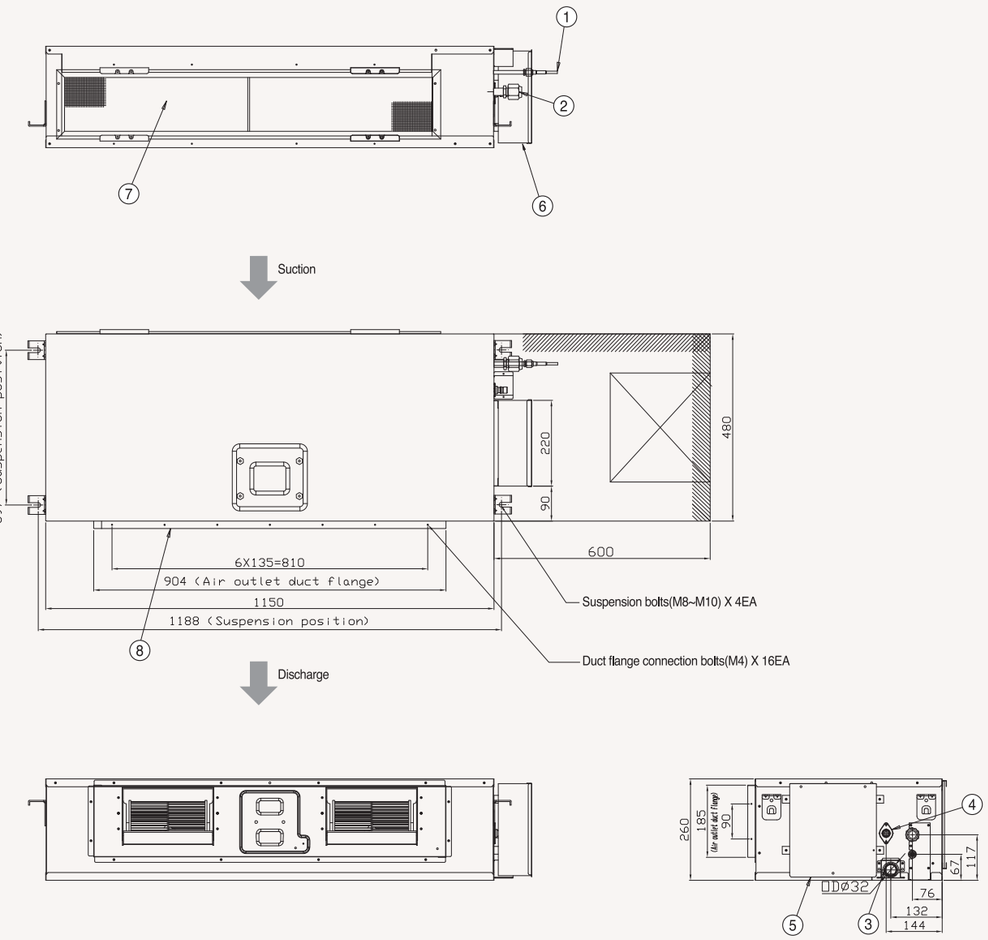


No.	Name	Description		
		4.5kW	5.6kW	7.1kW
1	Liquid pipe connection	Ø6.35 Flare		Ø9.52 Flare
2	Gas pipe connection	Ø12.70 Flare		Ø15.88 Flare
3	Drain pipe connection without drain pump	VP25 (OD 32, ID 25)		
4	Drain pipe connection with drain pump	VP25 (OD 32, ID 25)		
5	Control unit	-		
6	Conduit for power supply & communication wiring	-		
7	Return air side	-		
8	Air outlet duct flange	-		

Dimensional Drawings

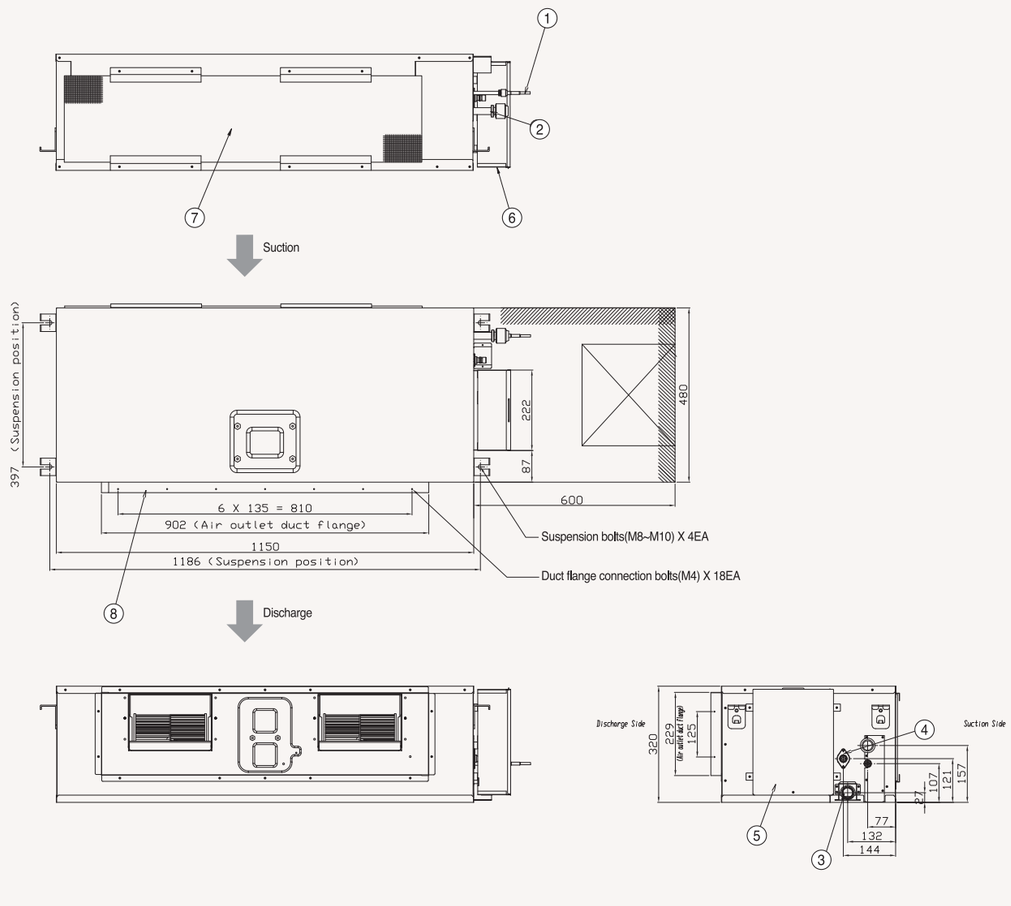
MSP Duct

AM090*NMDEH/EU



No.	Name	Description
1	Liquid pipe connection	Ø9.52 Flare
2	Gas pipe connection	Ø15.88 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Control unit	-
6	Conduit for power supply & communication wiring	-
7	Return air side	-
8	Air outlet duct flange	-

AM112*NMDEH/EU

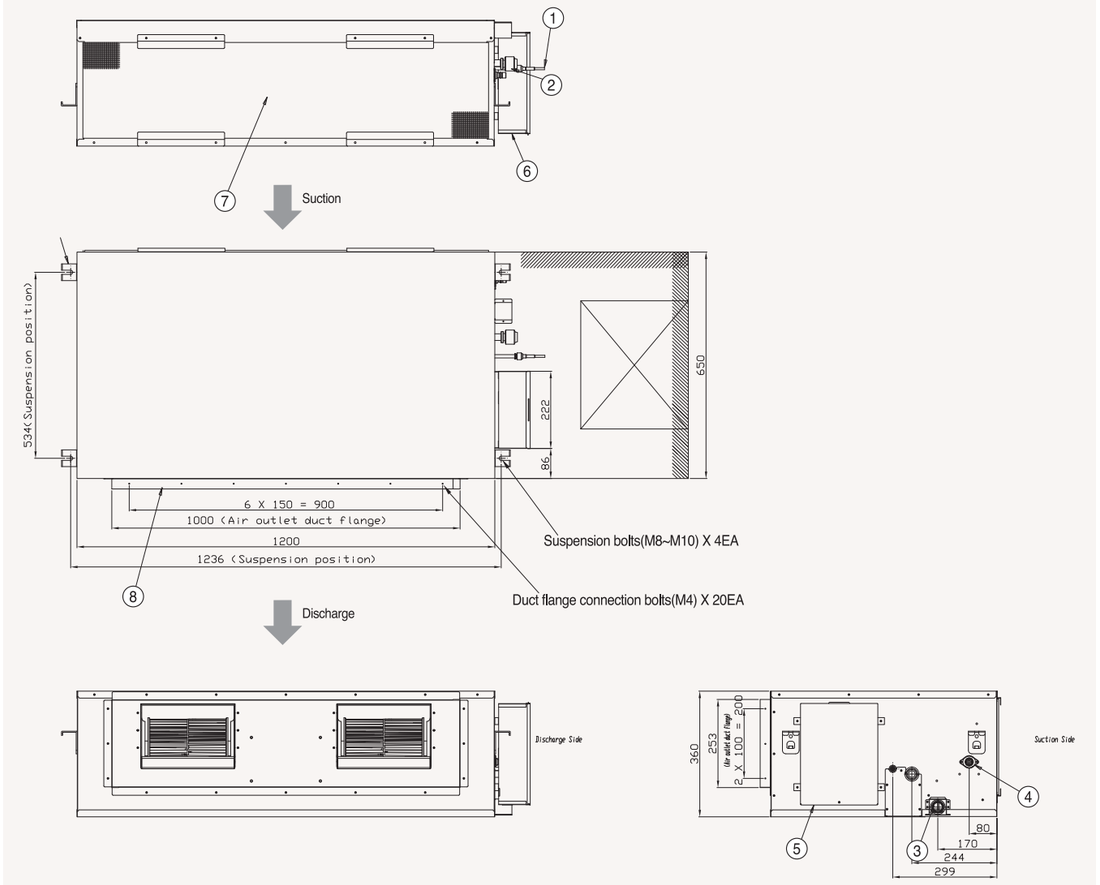


No.	Name	Description
1	Liquid pipe connection	Ø9.52 Flare
2	Gas pipe connection	Ø15.88 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Control unit	-
6	Conduit for power supply & communication wiring	-
7	Return air side	-
8	Air outlet duct flange	-

Dimensional Drawings

MSP Duct

AM128/140/160*NMDEH*EU



No.	Name	Description
1	Liquid pipe connection	Ø9.52 Flare
2	Gas pipe connection	Ø15.88 Flare
3	Drain pipe connection without drain pump	VP25 (OD ø32,ID ø25)
4	Drain pipe connection with drain pump	VP25 (OD ø32,ID ø25)
5	Control unit	-
6	Conduit for power supply & communication wiring	-
7	Return air side	-
8	Air outlet duct flange	-

VRF

Specifications

HSP Duct

Model				AM112FNHDEH/EU	AM128FNHDEH/EU	AM140FNHDEH/EU	AM220FNHDEH/EU	AM280FNHDEH/EU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Performance	Capacity (Nominal)	Cooling	kW	11.2	12,8	14	22.4	28
		Heating	kW	12.5	13,8	16,8	25	31.5
Power	Power Input (Nominal)	Cooling	W	510	560	625	530	790
		Heating	W	510	560	625	530	790
	Current Input (Nominal)	Cooling	A	3.6	3,75	3,9	3.8	5.9
		Heating	A	3.6	3,75	3,9	3.8	5.9
Fan	Motor	Type	-	Sirocco Fan / AC	Sirocco Fan / AC	Sirocco Fan / AC	Sirocco Fan	Sirocco Fan
		Output	W	-	-	-	400	400
		Quantity	EA	2	2	2	1	1
	Air Flow Rate	H/M/L (UL)	m³/min	32/27/23	35/31/26	39/33/28	58/52/47	72/65/58
			l/s	533.33/450.00/383.33	583.33/516.67/466.67	650.00/550.00/466.67	966.67/866.67/783.33	1,200.00/1,083.33/966.67
	External Static Pressure	Mid/Std/Max	mmAq	5/10/20	5/10/20	5/10/20	5/15/25	5/15/28
			Pa	49/98.1/196.1	49/98.1/196.1	49/98.1/196.1	49.03/147.10/245.17	49.03/147.10/274.59
			WG	-	-	-	-	-
Piping Connections	Liquid Pipe		Ø, mm	9.52	9,52	9,52	9.52	9.52
			Ø, inch	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe		Ø, mm	15.88	15,88	15,88	19.05	22.23
			Ø, inch	5/8"	5/8"	5/8"	3/4"	3/4"
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Power Source Wire	Below 20m/ over 20m	mm²	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5	1.5/2.5
	Transmission Cable		mm²	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV	EEV	EEV	EEV INCLUDED	EEV INCLUDED
Noise Level	Sound pressure	High / Mid / Low	dBA	43/41/39	45/43/42	46/45/44	45/43/41	48/46/43
Dimensions	Net Weight		kg	57	57	57	89	89
	Net Dimensions (WxHxD)		mm	1,200x360x650	1,200x360x650	1,200x360x650	1,240x470x1,040	1,240x470x1,040
Additional Accessories	Drain Pump	Drain Pump	-	Optional / MDP-M075SGU2	Optional / MDP-M075SGU2	Optional / MDP-M075SGU2	MDP-N047SNC1D	MDP-N047SNC1D
		Max. Lifting Height/ Displacement	mm/liter/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter		-	Long Life Filter	Long Life Filter	Long Life Filter	-	-

Accessories

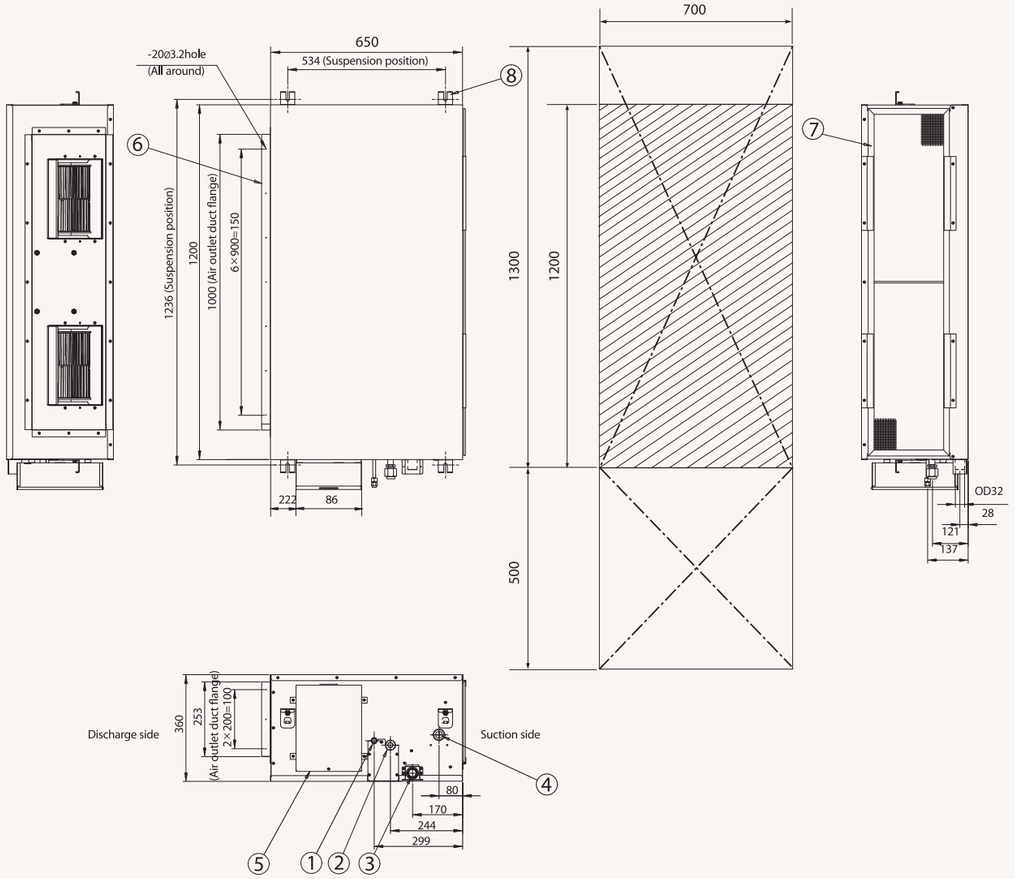
Drain Pump (Optional)		Individual Controllers (Optional)			Others (Optional)		
 MDP-M075SGU2	 MDP-M075SGU1D	 AR-EH03E (to be matched with MRK-A10N)	 MWR-SH11N	 MWR-WE13N	 MIM-H03N	 MRK-A10N (to be matched with AR-EH03E)	 MRW-TA

VRF

Dimensional Drawings

HSP Duct

AM112/128/140FNHDEH*



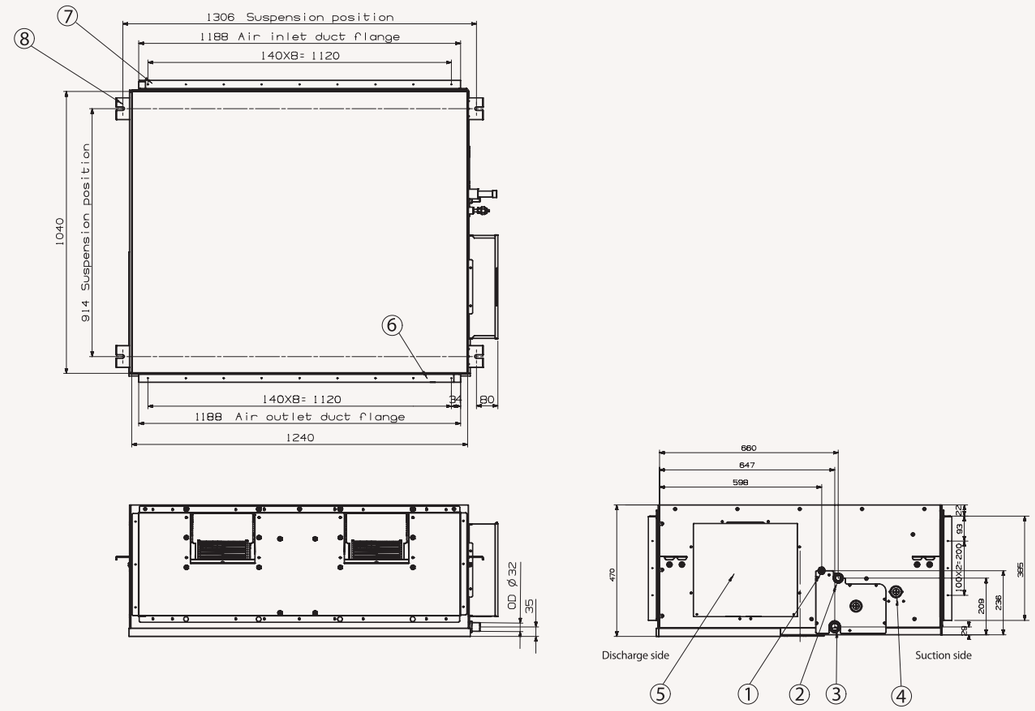
No.	Name	Description
1	Liquid pipe connection	Ø9.52 (3/8")
2	Gas pipe connection	Ø15.88 (5/8")
3	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)
4	Drain pipe connection with optional drain pump kits	VP25 (OD 32, ID 25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Suction flange	-
8	Hook	3/8" or M10

VRF

Dimensional Drawings

HSP Duct

AM220/280FNHDEH*



No.	Name	Description
1	Liquid pipe connection	Ø9.52 (3/8")
2	Gas pipe connection	AM220***: Ø19.05 (3/4"), AM280***: Ø22.22 (7/8")
3	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)
4	Drain pipe connection with optional drain pump kits	VP25 (OD 32, ID 25)
5	Power supply/Communication connection	-
6	Air discharge grille flange	-
7	Suction flange	-
8	Hook	3/8" or M10

Specifications

Big Duct

Model				AM180JNHFKH/EU	AM224JNHFKH/EU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50
Performance	Capacity (Nominal)	Cooling	kW	18	22.4
		Heating	kW	20	25
Power	Power Input (Nominal)	Cooling	W	340	530
		Heating	W	340	530
	Current Input (Nominal)	Cooling	A	1.9	2.9
		Heating	A	1.9	2.9
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
	Air Flow Rate	Output x n	W	630 x1	630 x1
		H/M/L (UL)	m³/min	58.00/50.00/43.00	72.00/61.00/50.00
			l/s	966.67/833.33/716.67	1,200.00/1,016.67/833.33
	External Static Pressure	Mid/Std/Max	mmAq	5.00/7.34/20.00	5.00/7.34/20.00
			Pa	49.00/71.93/196.00	49.00/71.93/196.00
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52
			Ø, inch	3/8"	3/8"
	Gas Pipe		Ø, mm	19.05	19.05
			Ø, inch	3/4"	3/4"
	Drain Pipe		Ø, mm	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)
Field Wiring	Power Source Wire		mm²	-	-
	Transmission Cable		mm²	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV(O)	EEV(O)
Noise Level	Sound pressure	High / Mid / Low	dBA	43/39/35	44/40/36
Dimensions	Net Weight		kg	82.5	82.5
	Net Dimensions (WxHxD)		mm	1,350x450x910	1,350x450x910
Additional Accessories	Drain Pump	Internal	-	MDP-G075SP	MDP-G075SP
		External	-	MDP-G075SQ	MDP-G075SQ

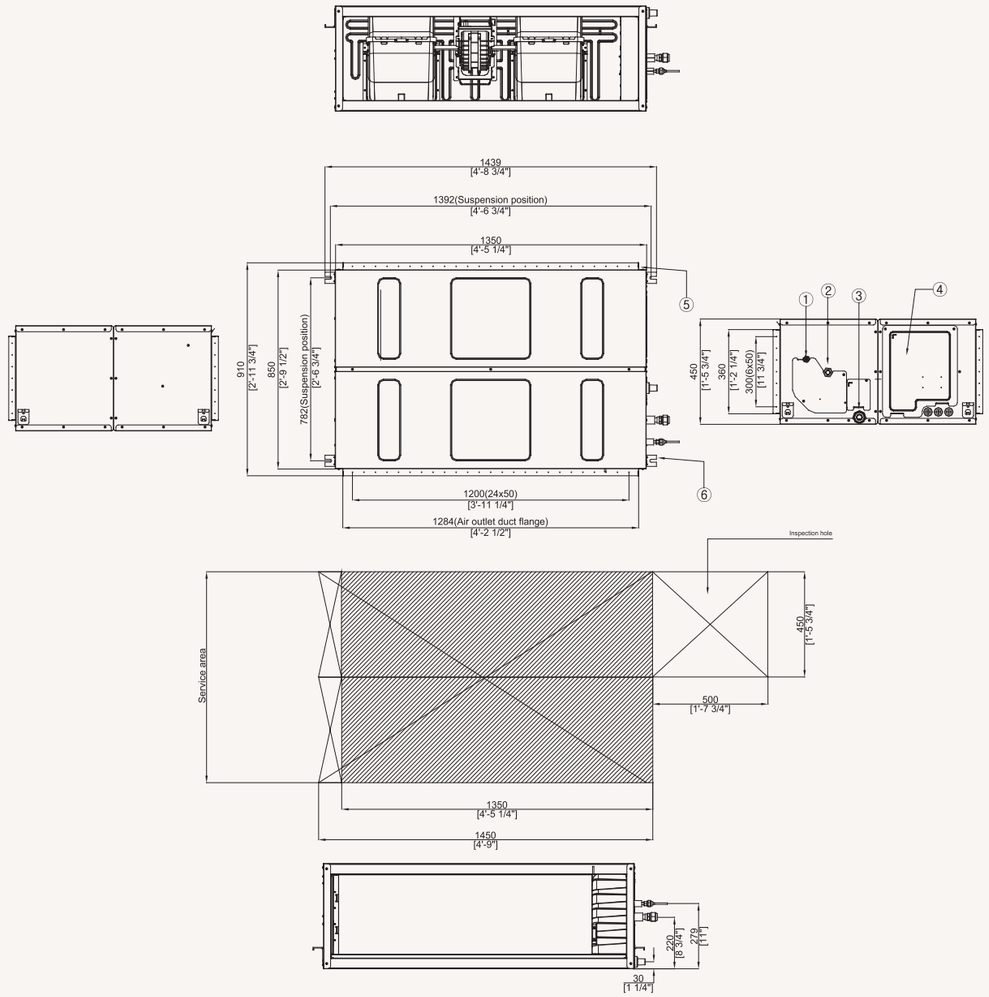
Accessories

Drain Pump (Optional)		Individual Controllers (Optional)				Others (Optional)	
							
MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WE13N	MIM-H03N	MRK-A10N (to be matched with AR-EH03E)	MRW-TA

Dimensional Drawings

Big Duct

AM180JNHFKH/EU, AM224JNHFKH/EU



No.	Name	Description
1	Liquid pipe connection	
2	Gas pipe connection	
3	Drain pipe connection	
4	Power supply connection	
5	Air discharge flange	
6	Hook	

Specifications

Console

Model				AM022KNJDEH/EU	AM028FNJDEH/EU	AM036FNJDEH/EU	AM045KNJDEH/EU	AM056FNJDEH/EU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1, 2, 220~240, 50	1, 2, 220~240, 50	1,2,220-240,50	1, 2, 220~240, 50
Performance	Capacity (Nominal)	Cooling	kW	2,2	2,8	3,6	4,5	5,6
		Heating		2,5	3,2	4	5	6,3
Power	Power Input (Nominal)	Cooling	W	16	30	35	36	62
		Heating		16	30	35	36	62
	Current Input (Nominal)	Cooling	A	0,13	0,25	0,29	0,3	0,49
		Heating		0,13	0,25	0,29	0,3	0,49
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
		Output x n	w	37 x 1	37	37	37 x 1	37
		Quantity	EA	-	1	1	-	1
	Airflow Rate	H/M/L (UL)	m³/min	6.30 / 5.40 / 4.90	7.00/6.00/5.00	8.50/7.50/6.50	11.30 / 9.80 / 8.20	13.00/11.50/10.00
			l/s	105.00 / 90.00 / 81.67	116.67/100.00/83.33	141.67/125.00/108.33	188.33 / 163.33 / 136.67	216.67/191.67/166.67
Piping Connections	Liquid Pipe		Ø, mm	6,35	6,35	6,35	6,35	6,35
			Ø, inch	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Ø, mm	12,7	12,7	12,7	12,7	12,7
			Ø, inch	1/2"	1/2"	1/2"	1/2"	1/2"
	Drain Pipe		Ø, mm	ID18 HOSE	ID 18 HOSE	ID 18 HOSE	ID18 HOSE	ID 18 HOSE
Field Wiring	Power Source Wire		mm²	1.5 - 2.5	1.5 / 2.5	1.5 / 2.5	1.5 - 2.5	1.5 / 2.5
	Transmission Cable		mm²	0.75 - 1.50	0.75~1.5	0.75~1.5	0.75 - 1.50	0.75~1.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Pressure	High / Mid / Low	dB(A)	34 / 32 / 30	38 / 36 / 34	39 / 37 / 34	42 / 39 / 36	43 / 40 / 37
	Power	Cooling		52	58	59	63	64
Dimensions	Net Weight		kg	15,5	16	16	16	16
	Net Dimensions (WxHxD)		mm	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199
Additonal Accessories	Air Filter		-	-	Long Life Filter	Long Life Filter	-	Long Life Filter

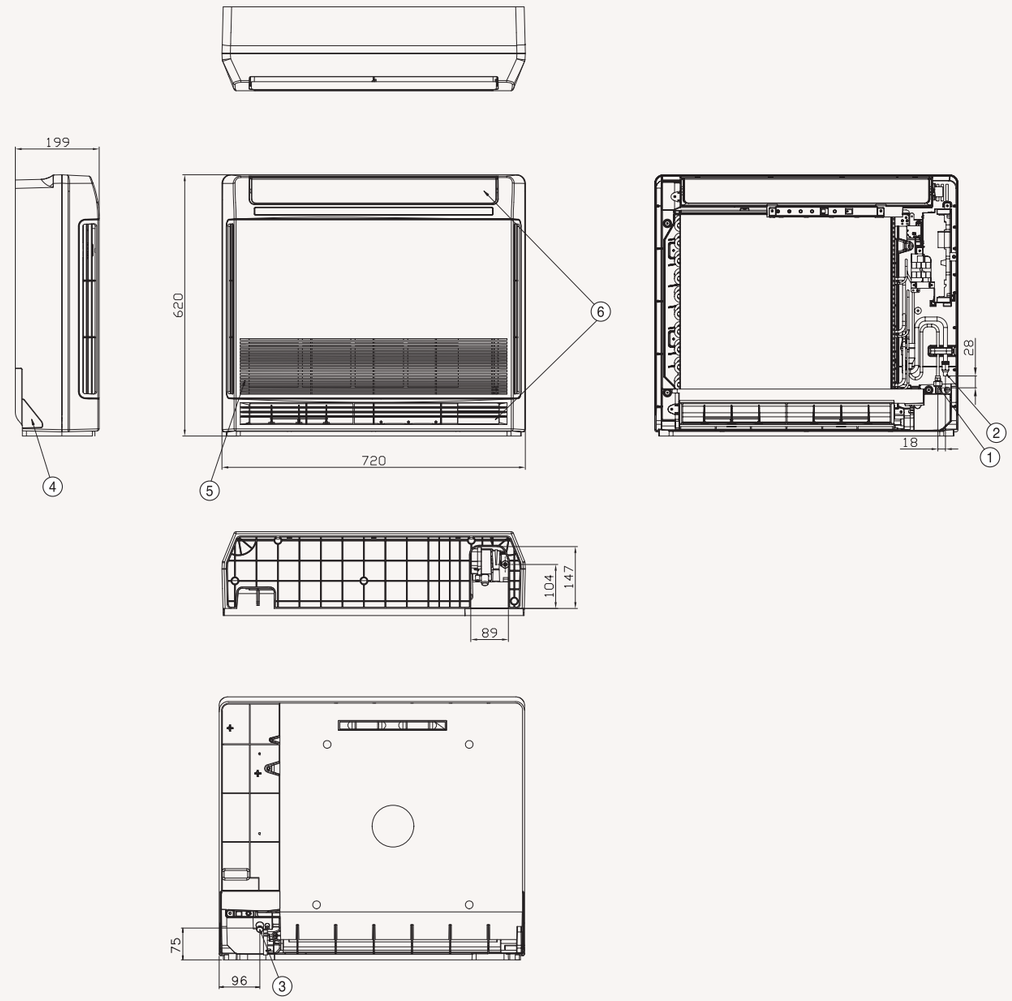
Accessories

Individual Controllers (Optional)		Others (Optional)	
			
MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

Dimensional Drawings

Console

AM022/045KNJDEH/EU, AM028/036FNJDEH/EU

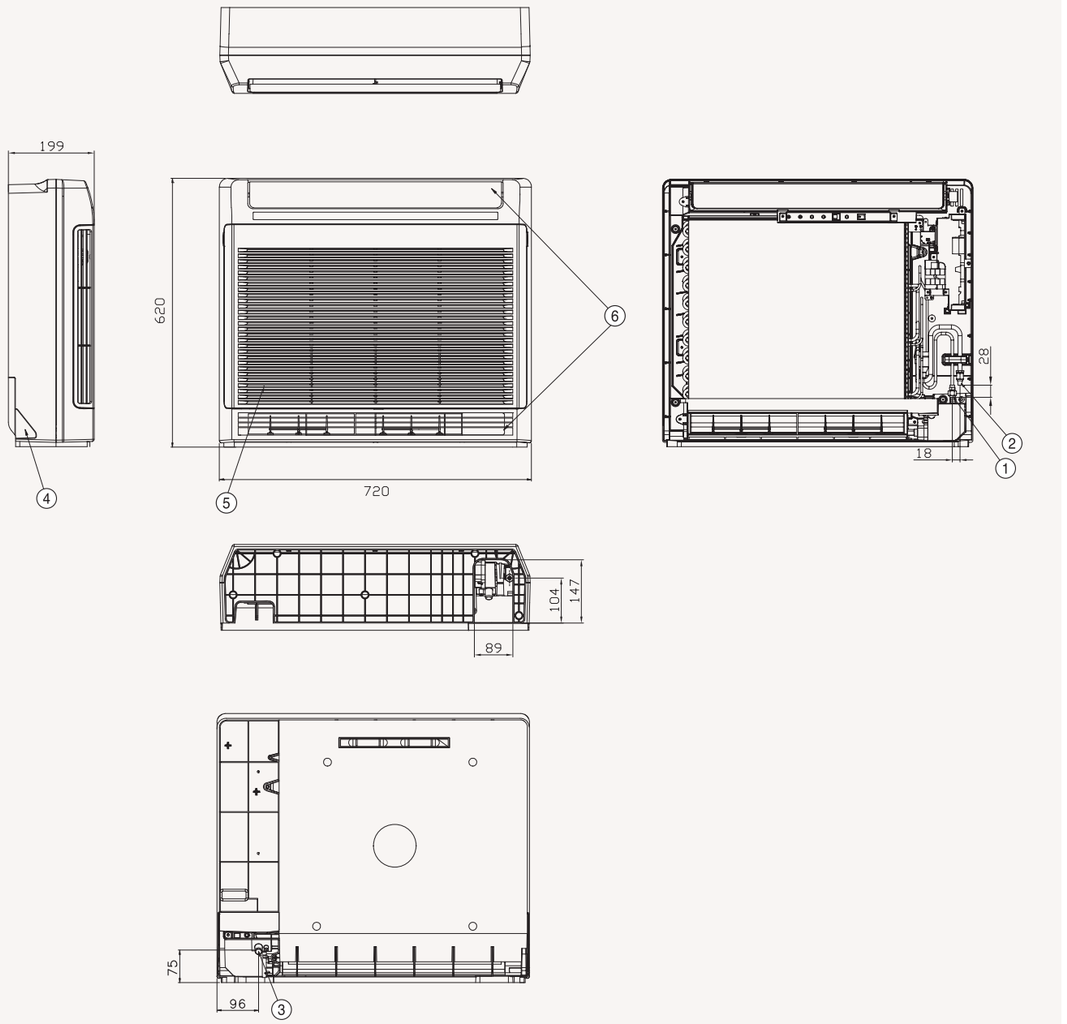


No.	Name	Description
1	Liquid pipe connection	Ø6.35 Flare
2	Gas pipe connection	Ø12.70 Flare
3	Drain pipe connection	ID18 Hose
4	Conduit for power supply & communication wiring	-
5	Air inlet grille	-
6	Air outlet louver	-

Dimensional Drawings

Console

AM056FNJDEH/EU



No.	Name	Description
1	Liquid pipe connection	Ø6.35 Flare
2	Gas pipe connection	Ø12.70 Flare
3	Drain pipe connection	ID18 Hose
4	Conduit for power supply & communication wiring	-
5	Air inlet grille	-
6	Air outlet louver	-

VRF

Specifications

Floor/Ceiling

Model				AM056FNCDEH/EU	AM071FNCDEH/EU
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50
Performance	Capacity (Nominal)	Cooling	kW	5,6	7,1
		Heating		6,3	8
Power	Power Input (Nominal)	Cooling		72	80
		Heating	W	72	77
	Current Input (Nominal)	Cooling		0,33	0,35
		Heating	A	0,28	0,29
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
		Output	W	60	120
		Quantity	EA	1	1
	Airflow Rate	H/M/L (UL)	m³/min	14.00/13.00/12.00	18.00/16.50/15.00
			l/s	233.33/216.67/200.00	300.00/275.00/250.00
Piping Connections	Liquid Pipe		Ø, mm	6,35	9,52
			Ø, inch	1/4"	3/8"
	Gas Pipe		Ø, mm	12,7	15,88
			Ø, inch	1/2"	5/8"
	Drain Pipe		Ø, mm	ID 18 HOSE	ID 18 HOSE
Field Wiring	Power Source Wire	Below 20m / over 20m	mm²	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm²	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	High / Mid / Low	dBA	40 / 37 / 34	44 / 42 / 40
Dimensions	Net Weight		kg	21	21
	Net Dimensions (W×H×D)		mm	1000 x 650 x 200	1000 x 650 x 200
Additional Accessories	Air Filter		-	Long Life Filter	Long Life Filter

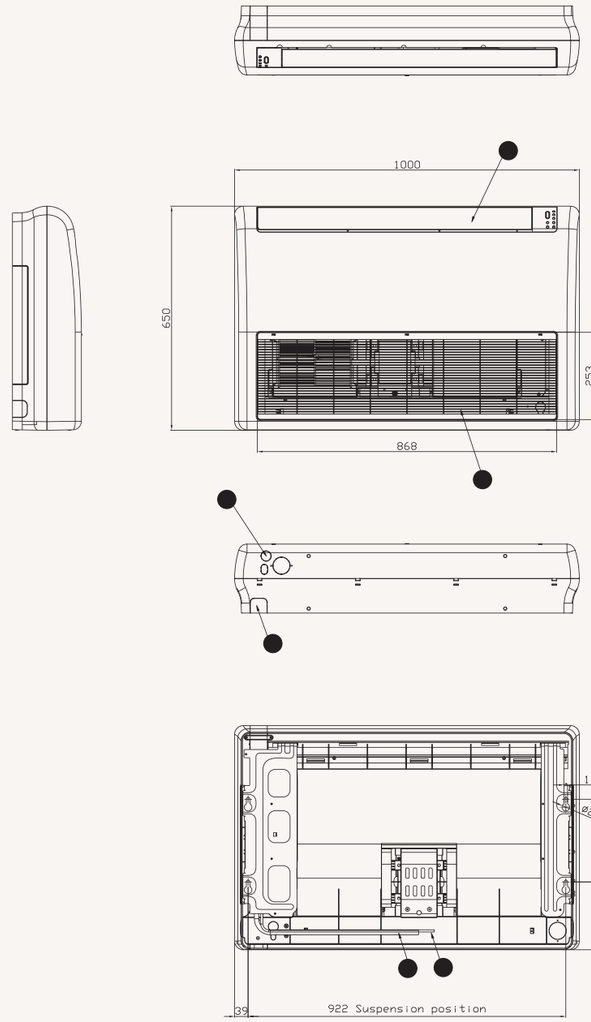
Accessories

Individual Controllers (Optional)		Others (Optional)	
			
MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

Dimensional Drawings

Floor/Ceiling

AM***FNCDEH/EU



No.	Name	Description	
		5.6kW	7.1kW
1	Liquid pipe connection	Ø6.35 Flare	Ø9.52 Flare
2	Gas pipe connection	Ø12.70 Flare	Ø15.88 Flare
3	Drain pipe connection	ID18 Hose	
4	Conduit for power supply & communication wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	-	

Specifications

Big Ceiling

Model				AM112JNCDKH/EU	AM140JNCDKH/EU
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50
Performance	Capacity (Nominal)	Cooling	kW	11.2	14.0
		Heating		12.5	16.0
Power	Power Input (Nominal)	Cooling	W	92.0	160.0
		Heating		80.0	160.0
	Current Input (Nominal)	Cooling	A	0.94	1.45
		Heating		0.83	1.45
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
		Output	W	260 x 1	260 x 1
	Air Flow Rate	H/M/L (UL)	m³/min	29.30/23.90/18.50	36.40/30.80/26.00
			l/s	488.33/398.33/308.33	606.67/513.33/433.33
Piping Connections	Liquid Pipe		Ø, mm	9.52	9.52
			Ø, inch	3/8"	3/8"
	Gas Pipe		Ø, mm	15.88	15.88
			Ø, inch	5/8"	5/8"
	Drain Pipe		Ø, mm	VP25 (OD 25, ID 20)	VP25 (OD 25, ID 20)
Field Wiring	Power Source Wire	Below 20m / over 20m	mm²	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm²	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound	Pressure	High / Mid /Low	dBA	45/41/37	46/43/38
	Power	Cooling		61	63
Dimensions	Net Weight		kg	33.5	42.5
	Net Dimensions (W×H×D)		mm	1,350x235x675	1,350x235x675

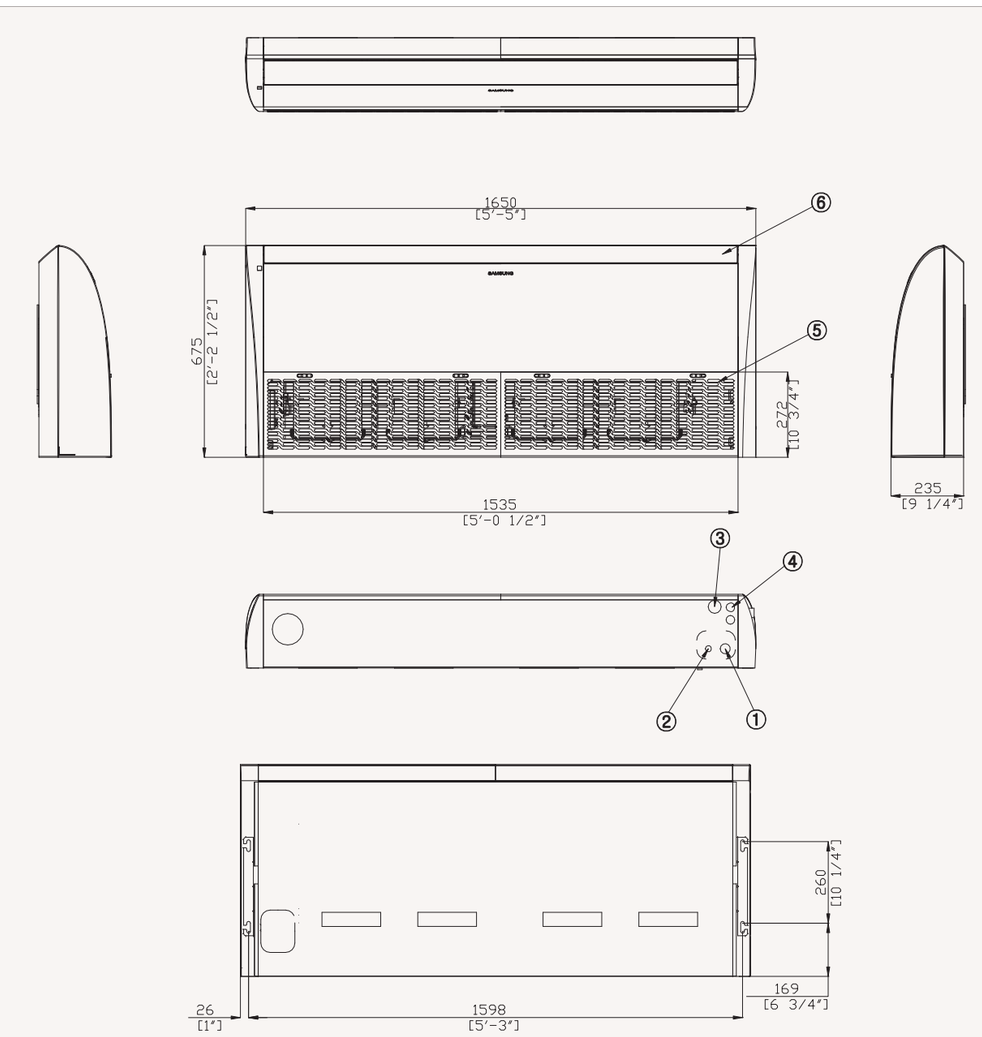
Accessories

Individual Controllers (Optional)		Others (Optional)	
			
MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

Dimensional Drawings

Big Ceiling

AM***JNCDKH/EU



No.	Name	Description
1	Refrigerant gas pipe	
2	Refrigerant liquid pipe	
3	Condensate drain	
4	Power & Comm. Wiring conduits	
5	Air inlet grille	
6	Air outlet grille	

Specifications

Concealed Floor Standing

Model				AM036FNFDEH/EU	AM056FNFDEH/EU	AM071FNFDEH/EU
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50
Performance	Capacity (Nominal)	Cooling	kW	3,6	5,6	7,1
		Heating		4	6,3	8
Power	Power Input (Nominal)	Cooling	W	50	110	110
		Heating		50	110	110
	Current Input (Nominal)	Cooling	A	0,24	0,53	0,53
		Heating		0,24	0,53	0,53
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Airflow Rate	H/M/L (UL)	m³/min	10.00/8.50/6.00	15.50/14.00/11.00	15.50/14.00/11.00
			l/s	166.67/141.67/100.00	258.33/233.33/183.33	258.33/233.33/183.33
Piping Connections	Liquid Pipe		Ø, mm	6,35	9,52	9,52
			Ø, inch	1/4"	3/8"	3/8"
	Gas Pipe		Ø, mm	12,7	15,88	15,88
			Ø, inch	1/2"	5/8"	5/8"
	Drain Pipe		Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Field Wiring	Power Source Wire	Below 20m / over 20m	mm²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm²	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dBA	37 / 32 / 27	40 / 36 / 32	40 / 36 / 32
Dimensions	Net Weight		kg	23	28,5	28,5
	Net Dimensions (W×H×D)		mm	945 x 600 x 220	1225 x 600 x 220	1225 x 600 x 220
Additional Accessories	Air Filter		-	Long Life Filter	Long Life Filter	Long Life Filter

Accessories	
Individual Controllers (Optional)	Others (Optional)

MWR-SH11N

MWR-WE13N

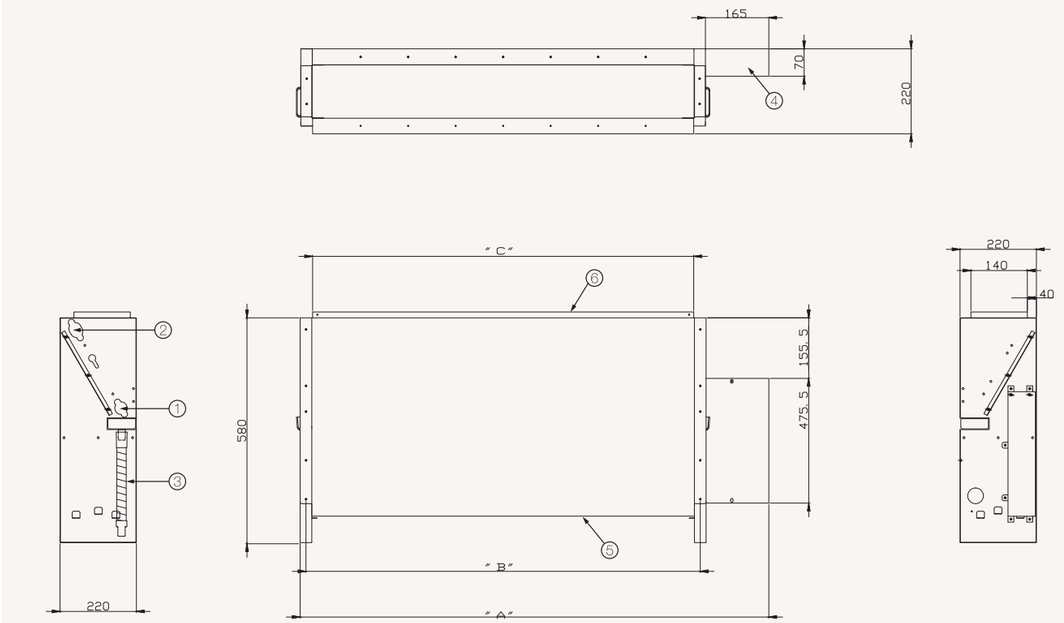
MIM-H03N

MRW-TA

Dimensional Drawings

Concealed Floor Standing

AM036/056/071FNFDEH/**



Model	A	B	C
AM036FNFDEH/EU	945	730	700
AM056/071FNFDEH/EU	1225	1010	980

No.	Name	Description		
		3.6kW	5.6kW	7.1kW
1	Liquid pipe connection	Ø6.35 Flare	Ø6.35 Flare	Ø9.52 Flare
2	Gas pipe connection	Ø12.70 Flare	Ø12.70 Flare	Ø15.88 Flare
3	Drain pipe connection		ID18 Hose	
4	Conduit for power supply & communication wiring		-	
5	Air inlet grille		-	
6	Air outlet louver		-	

Specifications

Concealed Floor Standing High Static Pressure

Model				AM036MNFDEH/EU	AM056MNFDEH/EU	AM071MNFDEH/EU
Power Supply			Ø, #, V, Hz	1,2,220~240,50	1,2,220~240,50	1,2,220~240,50
Performance	Capacity (Nominal)	Cooling	kW	3.6	5.6	7.1
		Heating	kW	4	6.3	8
Power	Power Input (Nominal)	Cooling	kW	0.022	0.042	0.042
		Heating	kW	0.022	0.042	0.042
	Current Input (Nominal)	Cooling	A	0.20	0.37	0.37
		Heating	A	0.20	0.37	0.37
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	W	100 x 1	100 x 1	100 x 1
	External Static Pressure	Min / Std / Max	mmAq	0/3/6	0/3/6	0/3/6
		Min / Std / Max	Pa	0/29.4/58.9	0/29.4/58.9	0/29.4/58.9
	Air Flow Rate	High / Mid / Low	m3/h]	600/510/360	930/840/660	930/840/660
Piping Connections	Liquid Pipe		Ø, mm	6.35	6.35	9.52
			Ø, inch	1/4"	1/4"	3/8"
	Gas Pipe		Ø, mm	12.70	12.70	15.88
			Ø, inch	1/2"	1/2"	5/8"
	Drain Pipe		Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Field Wiring	Power Source Wire		mm²	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable		mm²	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type		-	R410A	R410A	R410A
	GWP		-	2.088	2.088	2.088
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Noise Level	Sound pressure	High / Mid / Low	dBA	37/32/27	40/36/32	40/36/32
	Sound Power		dBA	53.0	59.0	59.0
Dimensions	Net Weight		kg	22.0	27.0	27.0
	Net Dimensions(WxHxD)		mm	945 x 600 x 220	1225 x 600 x 220	1225 x 600 x 220
Additional Accessories	Air Filter		-	Long Life Filter	Long Life Filter	Long Life Filter

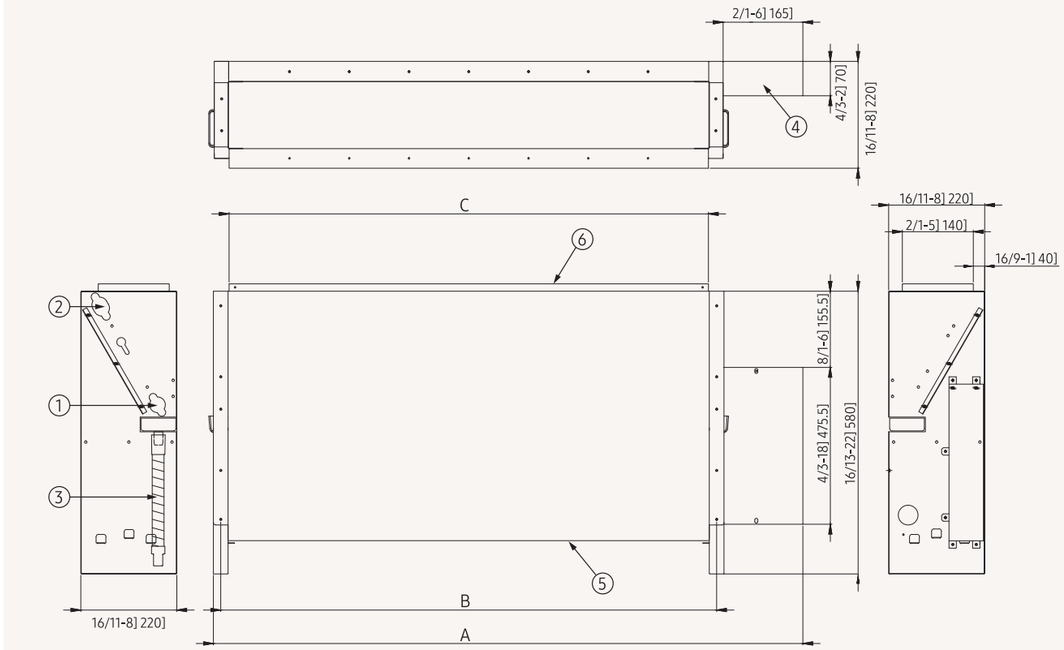
Accessories

Individual Controllers (Optional)		Others (Optional)	
			
MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

Dimensional Drawings

Concealed Floor Standing High Static Pressure

AM036/056/071MNFDEH/EU



Model	A	B	C
AM036MNFDEH/EU	945	730	700
AM056/071MNFDEH/EU	1225	1010	980

No.	Name	Description		
		3.6kW	5.6kW	7.1kW
1	Liquid pipe connection	Ø6.35 Flare	Ø6.35 Flare	Ø9.52 Flare
2	Gas pipe connection	Ø12.70 Flare	Ø12.70 Flare	Ø15.88 Flare
3	Drain pipe connection		ID18 Hose	
4	Conduit for power supply & communication wiring		-	
5	Air inlet grille		-	
6	Air outlet louver		-	

VRF

Specifications

Packaged Floor-Standing

Model				AM140JNPDKH/TK	AM280JNPDKH/TK
Power Supply			Ø, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50
Performance	Capacity (Nominal)	Cooling	kW	14	28
		Heating		16	31,5
Power	Power Input (Nominal)	Cooling	W	190	955
		Heating		190	955
	Current Input (Nominal)	Cooling	A	0,9	4,73
		Heating		0,9	4,73
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
		Output x n	w	154 x 1	700 x 1
	Airflow Rate	H/M/L (UL)	m³/min	35.00 / 30.50 / 27.50	70.00 / 60.00 / 50.00
			l/s	583.33 / 508.33 / 458.33	1,166.67 / 1,000.00 / 833.33
Piping Connections	Liquid Pipe		Ø, mm	9,52	9,52
			Ø, inch	3/8"	3/8"
	Gas Pipe		Ø, mm	15,88	22,22
			Ø, inch	5/8"	7/8"
	Drain Pipe		Ø, mm	ID18 HOSE	VP25 (OD 32, ID 25)
Field Wiring	Power Source Wire		mm²	2,5	2,5
	Transmission Cable		mm²	VCTF 0.75 - 1.50	VCTF 0.75 - 1.50
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED
Sound	Pressure	High / Low	dB(A)	54 / 47	58 / 54
	Power	Cooling		-	-
Dimension	Net Weight		kg	48	115
	Net Dimensions (WxHxD)		mm	650 x 1,850 x 400	1,100 x 1,800 x 485

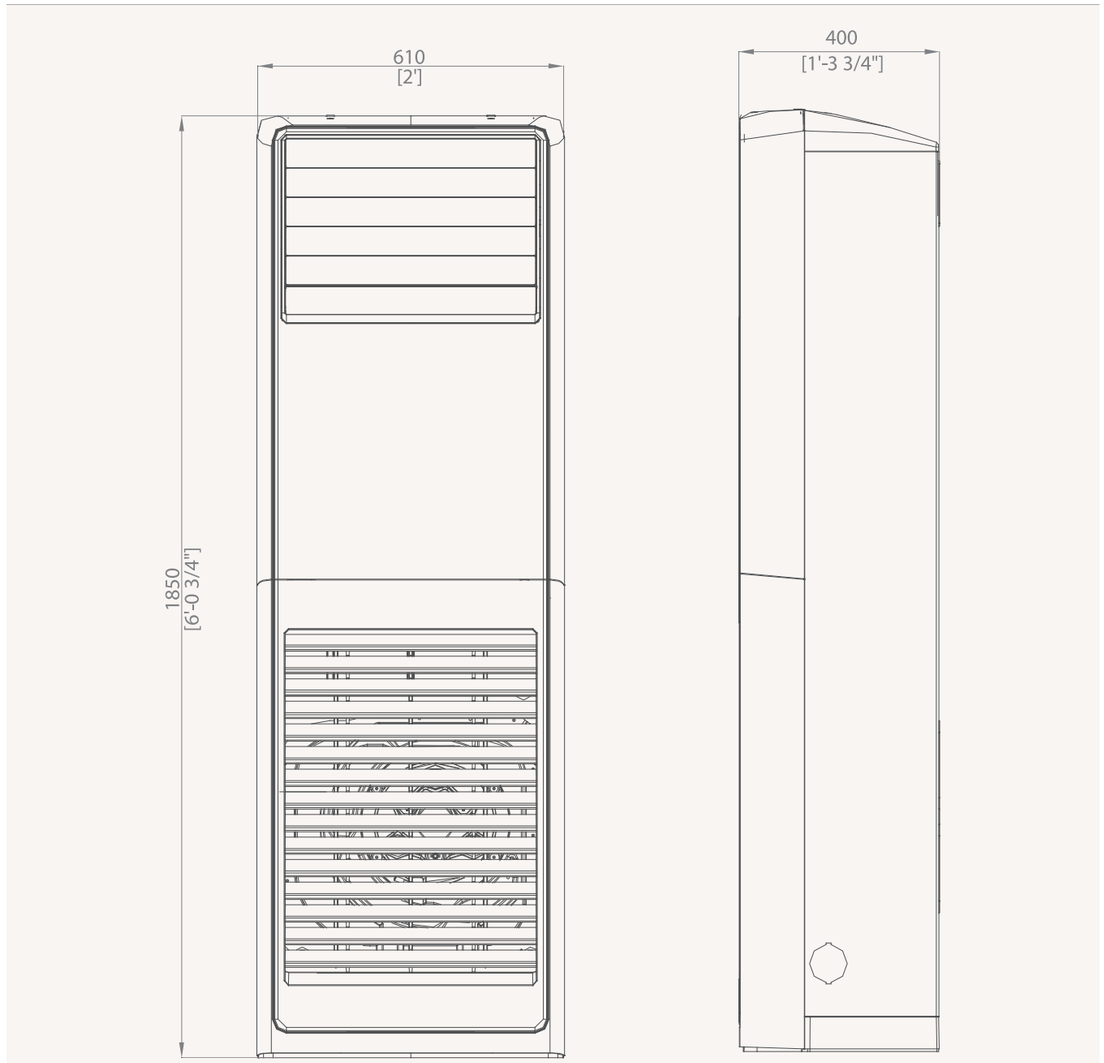
Accessories

Individual Controllers (Optional)		Others (Optional)	
 MWR-SH11N	 MWR-WE13N	 MIM-H03N	 MRW-TA

Dimensional Drawings

Packaged Floor-Standing

AM*JNPDKH/TK**

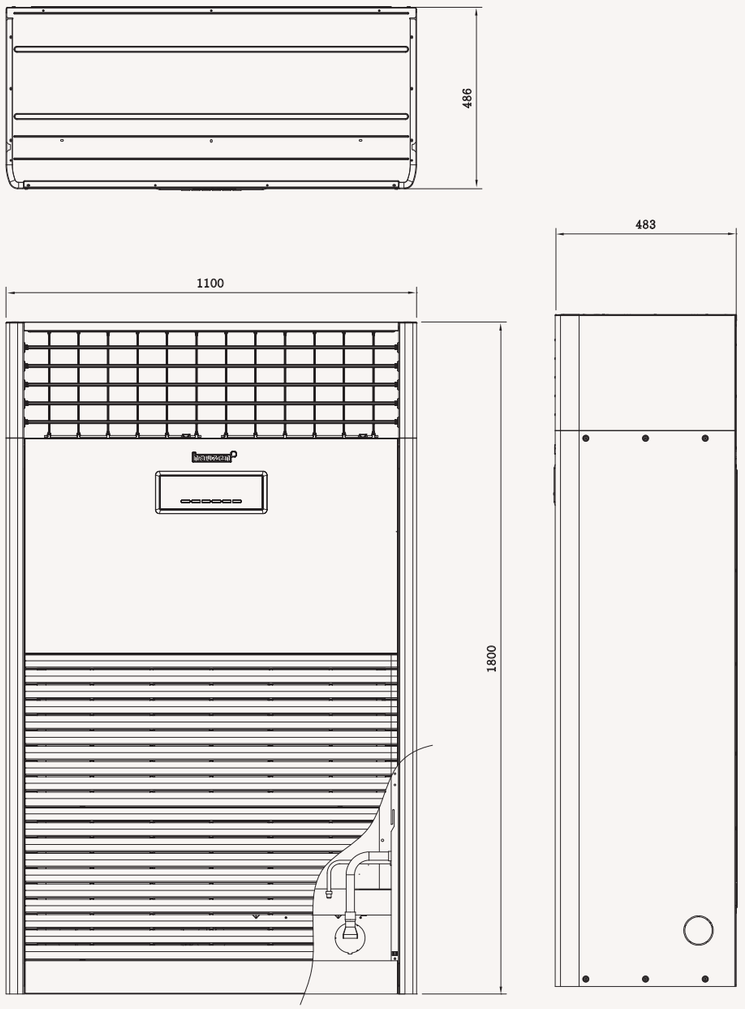


Pos.	Name	Description
1	Gas piping refrigerant	ø 15,88mm (5/8")
2	Liquid piping refrigerant	ø 9,52mm (3/8")
3	Condensation drain piping	-

Dimensional Drawings

Packaged Floor-Standing

AM280JNPDKH/TK



Pos.	Name	Description
1	Refrigerant gas pipe	Ø22.22 (7/8") Flare
2	Refrigerant liquid pipe	Ø9.52 (3/8") Flare
3	Drain pipe connection	VP25 (OD 32, ID 25)

VRF

Specifications

Wall-Mounted AR5000 - With EEV

Model				AM015JNVDKH/EU	AM022JNADKH/EU	AM028JNADKH/EU	AM036JNADKH/EU
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50/60	1, 2, 220~240, 50/60	1, 2, 220~240, 50/60	1, 2, 220~240, 50/60
Performance	Capacity (Nominal)	Cooling	kW	1,5	2,2	2,8	3,6
		Heating		1,7	2,5	3,2	4,0
Power	Power Input (Nominal)	Cooling	W	14,0	15,0	16,0	20,0
		Heating		16,0	18,0	24,0	28,0
	Current Input (Nominal)	Cooling	A	0,12	0,13	0,13	0,15
		Heating		0,13	0,15	0,19	0,20
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output	W	27 x 1	27 x 1	27 x 1	27 x 1
	Airflow Rate	H/M/L (UL)	m³/min	4.40/4.20/3.80	5.40/4.70/4.00	5.70/5.00/4.30	7.10/5.70/4.60
			l/s	73.33/70.00/63.33	90.00/78.33/66.67	95.00/83.33/71.67	118.33/95.00/76.67
Piping Connections	Liquid Pipe		Ø, mm	6,35	6,35	6,35	6,35
			Ø, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Ø, mm	12,7	12,7	12,7	12,7
			Ø, inch	1/2"	1/2"	1/2"	1/2"
	Drain Pipe		Ø, mm	ID18 HOSE	ID18 HOSE	ID18 HOSE	ID18 HOSE
Field Wiring	Power Source Wire		mm²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm²	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Pressure	High / Mid / Low	dBA	28/25/24	33/29/25	36/31/25	37/34/30
	Power	Cooling		44	50	53	54
Dimensions	Net Weight		kg	7,9	7,9	7,9	9,6
	Net Dimensions (W×H×D)		mm	750x249x246	750x249x246	750x249x246	826x261x261

AM045JNADKH/EU	AM056JNADKH/EU	AM071JNADKH/EU	AM082JNADKH/EU
1, 2, 220~240, 50/60	1, 2, 220~240, 50/60	1, 2, 220~240, 50/60	1, 2, 220~240, 50/60
4,5	5,6	7,1	8,2
5,0	6,3	8,0	8,5
31,0	27,0	41,0	55,0
41,0	37,0	53,0	72,0
0,24	0,21	0,31	0,42
0,31	0,29	0,41	0,55
Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
27 x 1	27 x 1	27 x 1	27 x 1
8.90/7.50/6.00	11.80/10.00/8.20	14.80/12.40/10.00	16.70/14.30/12.40
148.33/125.00/100.00	196.67/166.67/136.67	246.67/206.67/166.67	278.33/238.33/206.67
6,35	6,35	9,52	9,52
1/4"	1/4"	3/8"	3/8"
12,7	12,7	15,88	15,88
1/2"	1/2"	5/8"	5/8"
ID18 HOSE	ID18 HOSE	ID18 HOSE	ID18 HOSE
1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
R410A	R410A	R410A	R410A
EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
41/38/34	39/36/33	44/41/36	47/43/40
57	57	61	65
9,6	14,5	14,5	14,5
826x261x261	1,065x301x294	1,065x301x294	1,065x301x294

Accessories

Individual Controllers (Optional)			Others (Optional)	
				
AR-EH03E	MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

Specifications

Wall-Mounted AR5000 - Without EEV

Model				AM015JNADKH/EU	AM022JNADKH/EU	AM028JNADKH/EU	AM036JNADKH/EU
Power Supply			Ø, #, V, Hz	1, 2, 220~240, 50/60	1, 2, 220~240, 50/60	1, 2, 220~240, 50/60	1, 2, 220~240, 50/60
Performance	Capacity (Nominal)	Cooling	kW	1,5	2,2	2,8	3,6
		Heating		1,7	2,5	3,2	4,0
Power	Power Input (Nominal)	Cooling	W	14,0	15,0	16,0	20,0
		Heating		16,0	18,0	24,0	28,0
	Current Input (Nominal)	Cooling	A	0,12	0,13	0,13	0,15
		Heating		0,13	0,15	0,19	0,20
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output	W	27 x 1	27 x 1	27 x 1	27 x 1
	Airflow Rate	H/M/L (UL)	m³/min	4.40/4.20/3.80	5.40/4.70/4.00	5.70/5.00/4.30	7.10/5.70/4.60
			L/s	73.33/70.00/63.33	90.00/78.33/66.67	95.00/83.33/71.67	118.33/95.00/76.67
Piping Connections	Liquid Pipe		Ø, mm	6,35	6,35	6,35	6,35
			Ø, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Ø, mm	12,7	12,7	12,7	12,7
			Ø, inch	1/2"	1/2"	1/2"	1/2"
	Drain Pipe		Ø, mm	ID18 HOSE	ID18 HOSE	ID18 HOSE	ID18 HOSE
Field Wiring	Power Source Wire		mm²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable		mm²	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Pressure	High / Mid /Low	dBA	26/24/21	33/28/23	35/30/25	36/32/29
	Power	Cooling		44	50	53	54
Dimensions	Net Weight		kg	7,7	7,7	7,8	9,4
	Net Dimensions (W×H×D)		mm	750x249x246	750x249x246	750x249x246	826x261x261

AM045JNADKH/EU	AM056JNADKH/EU	AM071JNADKH/EU	AM082JNADKH/EU
1, 2, 220~240, 50/60	1, 2, 220~240, 50/60	1, 2, 220~240, 50/60	1, 2, 220~240, 50/60
4,5	5,6	7,1	8,2
5,0	6,3	8,0	8,5
31,0	27,0	41,0	55,0
41,0	37,0	53,0	72,0
0,24	0,21	0,31	0,42
0,31	0,29	0,41	0,55
Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
27 x 1	27 x 1	27 x 1	27 x 1
8.90/7.50/6.00	11.80/10.00/8.20	14.80/12.40/10.00	16.70/14.30/12.40
148.33/125.00/100.00	196.67/166.67/136.67	246.67/206.67/166.67	278.33/238.33/206.67
6,35	6,35	9,52	9,52
1/4"	1/4"	3/8"	3/8"
12,7	12,7	15,88	15,88
1/2"	1/2"	5/8"	5/8"
ID18 HOSE	ID18 HOSE	ID18 HOSE	ID18 HOSE
1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
R410A	R410A	R410A	R410A
EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
40/37/33	39/35/32	44/40/36	47/42/40
57	57	61	65
9,4	14,2	14,2	14,2
826x261x261	826x261x94	1,065x301x294	1,065x301x294

Accessories

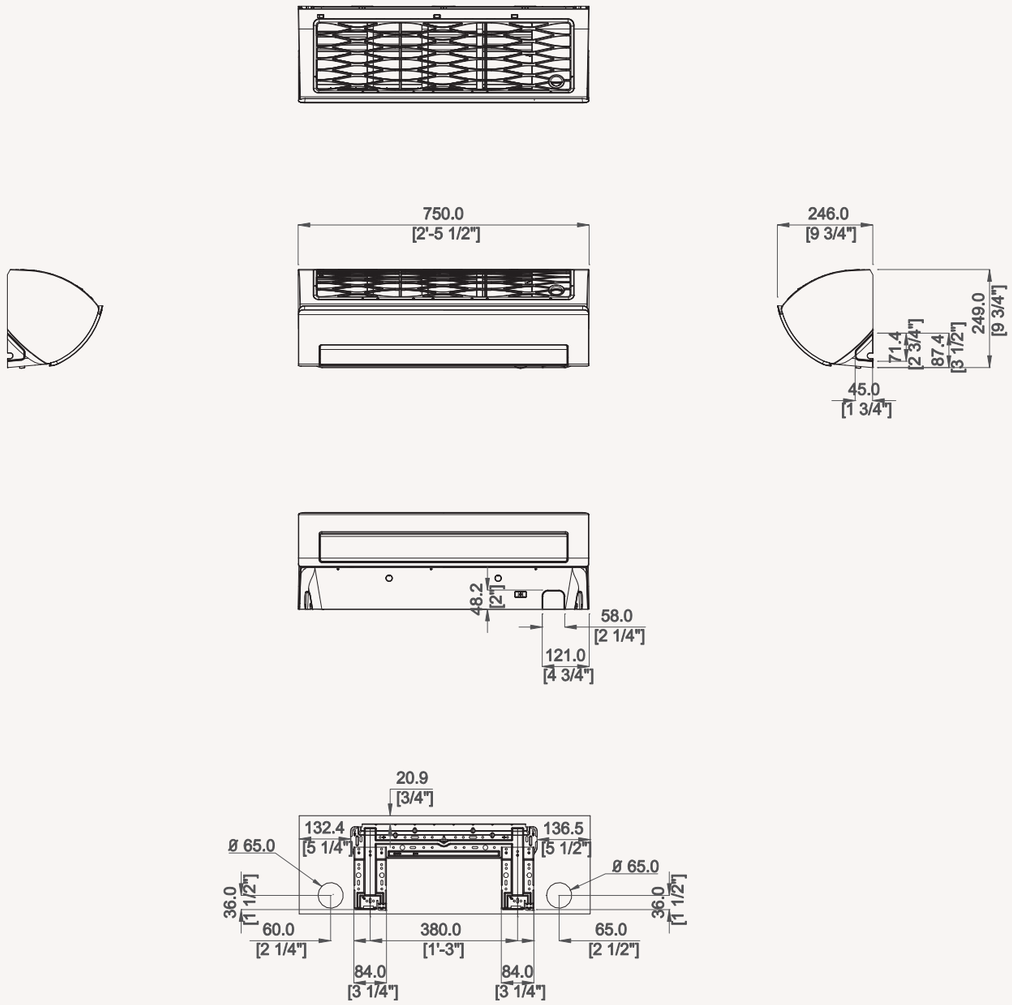
Individual Controllers (Optional)			Others (Optional)	
				
AR-EH03E	MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

VRF

Dimensional Drawings

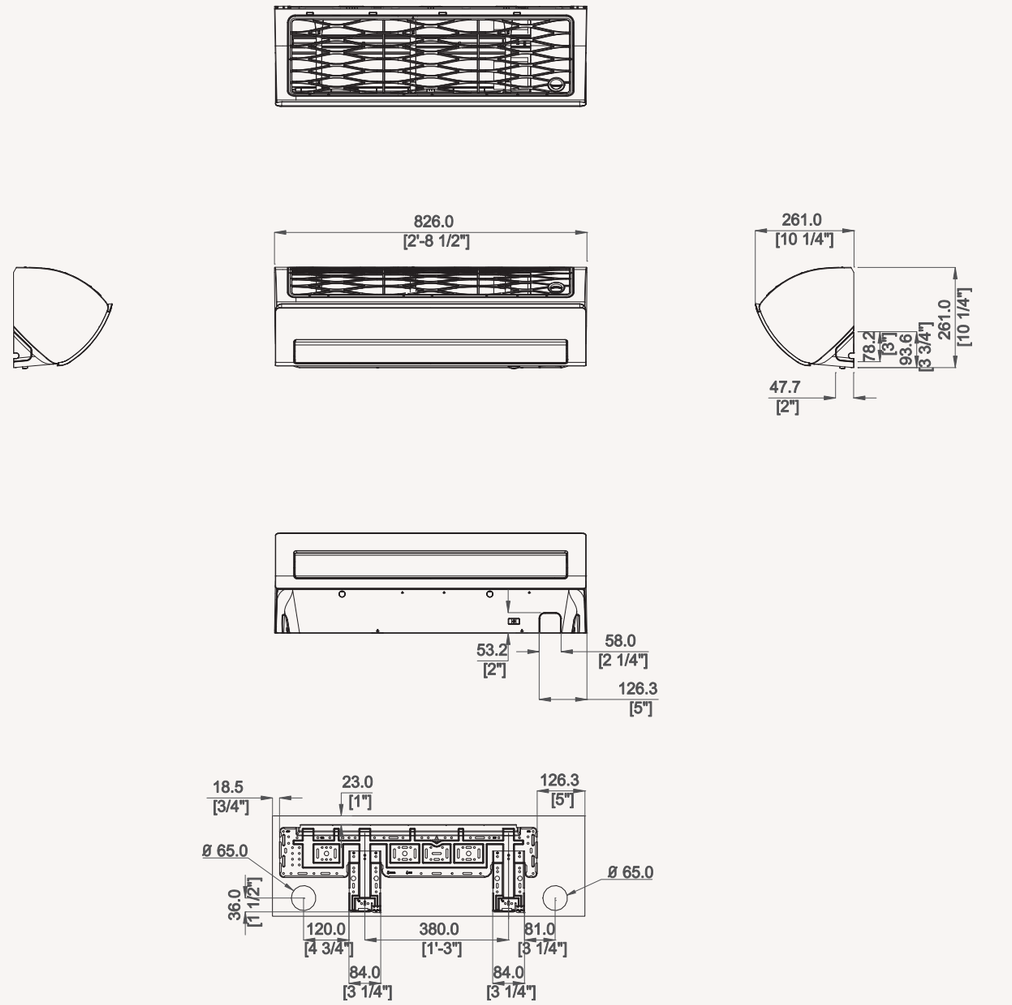
Wall-Mounted AR5000 - With EEV

AM015JNVDKH/EU AM022JNADKH/EU AM028JNADKH/EU



Pos.	Name	Description
1	Refrigerant gas pipe	Φ12.7(1/2) Flare
2	Refrigerant liquid pipe	Φ6.35(1/4) Flare
3	Drain pipe connection	ID 18 Hose

AM036JNADKH/EU AM045JNADKH/EU



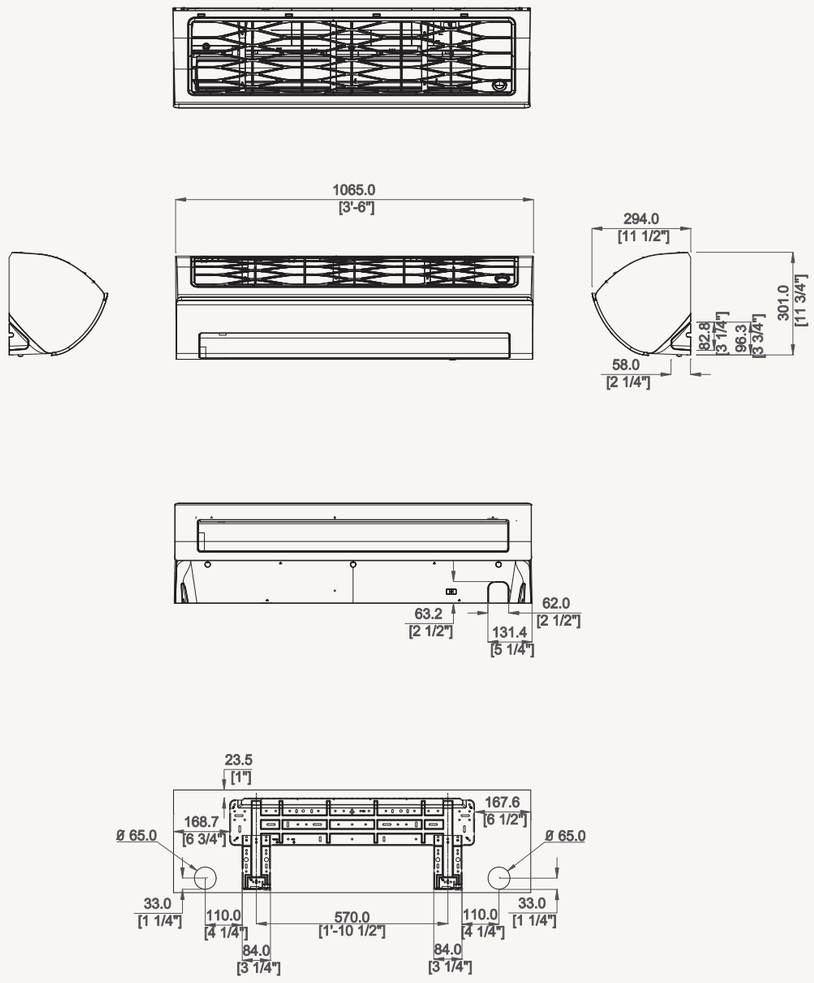
Pos.	Name	Description
1	Refrigerant gas pipe	Φ12.7(1/2) Flare
2	Refrigerant liquid pipe	Φ6.35(1/4) Flare
3	Drain pipe connection	ID 18 Hose

VRF

Dimensional Drawings

Wall-Mounted AR5000 - With EEV

AM056JNADKH/EU AM071JNADKH/EU AM082JNADKH/EU



No.	Name	Description		
		5.6kW	7.1kW	8.2kW
1	Refrigerant gas pipe	Φ12.7(1/2) Flare	Φ15.88(5/8) Flare	
2	Refrigerant liquid pipe	Φ6.35(1/4) Flare	Ø9.52 (3/8) Flare	
3	Drain pipe connection	ID18 Hose		

VRF

Specifications

Wall-Mounted Boracay - With EEV

Model				AM015KNQDEH/EU	AM022KNQDEH/EU	AM028KNQDEH/EU	AM036KNQDEH/EU	AM045KNQDEH/EU	AM056KNQDEH/EU	AM071KNQDEH/EU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Performance		Cooling	kW	1,5	2,2	2,8	3,6	4,5	5,6	6,8
		Heating	kW	1,7	2,5	3,2	4,0	5,0	6,3	7,0
Power	Power Input (Nominal)	Cooling	W	32,0	32,0	38,0	42,0	47,0	48,0	51,0
		Heating		34,0	35,0	39,0	42,0	47,0	48,0	53,0
	Current Input (Nominal)	Cooling	A	0,20	0,20	0,22	0,23	0,27	0,27	0,28
		Heating		0,20	0,20	0,22	0,23	0,27	0,27	0,28
	MCA			0,3	0,3	0,4	0,4	0,4	0,4	0,4
	MFA			15,0	15,0	15,0	15,0	15,0	15,0	15,0
Fan	Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Quantity		ea	1	1	1	1	1	1	1
	Airflow Rate	H/M/L (UL)	m^3/min	6.2/5.7/5.1	6.6/5.7/5.1	7.0/6.2/5.5	8.5/7.5/6.6	13.9/12.4/11.2	14.4/12.9/11.2	15.7/14.1/12.9
			l /s	103.3/95.0/85.0	110.0/95.0/85.0	116.7/103.3/91.7	141.7/125.0/110.0	231.7/206.7/186.7	240.0/215.0/186.7	261.7/235.0/215.0
Fan motor	Type		-	SSR Feedback	SSR Feedback	SSR Feedback	SSR Feedback	SSR Feedback	SSR Feedback	SSR Feedback
	Output x n		W	19W x 1	19W x 1	19W x 1	19W x 1	28W x 1	28W x 1	28W x 1
Piping Connections	Liquid Pipe		Ø, mm	6,35	6,35	6,35	6,35	6,35	6,35	9,52
			Ø, inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"
	Gas Pipe		Ø, mm	12,7	12,7	12,7	12,7	12,7	12,7	15,88
			Ø, inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"
	Drain Pipe		Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
Field Wiring	Power Source Wire	Minimum	mm^2	1,5	1,5	1,5	1,5	1,5	1,5	1,5
	For connection with indoor	Minimum	mm^2	0,75	0,75	0,75	0,75	0,75	0,75	0,75
		Remark	-	F1,F2	F1,F2	F1,F2	F1,F2	F1,F2	F1,F2	F1,F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High/Mid/Low	dB(A)	30/28/25	31/28/25	31/29/26	36/33/29	38/35/33	39/36/33	40/38/35
	Sound Power	Cooling		47	48	48	51	53	53	55
Dimensions	Net Weight		kg	8,5	8,5	9,0	9,0	12,5	12,5	12,5
	Net Dimensions (W×H×D)		mm	820x285x227	820x285x227	820x285x227	820x285x227	1065x298x243	1065x298x243	1065x298x243

Accessories

Individual Controllers (Optional)		Others (Optional)	
			
MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

Specifications

Wall-Mounted Boracay - Without EEV

Model				AM015KNTDEH/EU	AM022KNTDEH/EU	AM028KNTDEH/EU	AM036KNTDEH/EU	AM045KNTDEH/EU	AM056KNTDEH/EU	AM071KNTDEH/EU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Performance		Cooling	kW	1,5	2,2	2,8	3,6	4,5	5,6	6,8
		Heating		1,7	2,5	3,2	4,0	5,0	6,3	7,0
Power	Power Input (Nominal)	Cooling	W	32,0	32,0	38,0	42,0	47,0	48,0	51,0
		Heating		34,0	35,0	39,0	42,0	47,0	48,0	53,0
	Current Input (Nominal)	Cooling	A	0,20	0,20	0,22	0,23	0,27	0,27	0,28
		Heating		0,20	0,20	0,22	0,23	0,27	0,27	0,28
	MCA			0,3	0,3	0,4	0,4	0,4	0,4	0,4
	MFA			15,0	15,0	15,0	15,0	15,0	15,0	15,0
Fan	Type		-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Quantity		ea	1	1	1	1	1	1	1
	Airflow Rate	H/M/L (UL)	m³/min	6.2/5.7/5.1	6.6/5.7/5.1	7.0/6.2/5.5	8.5/7.5/6.6	13.9/12.4/11.2	14.4/12.9/11.2	15.7/14.1/12.9
			l /s	103.3/95.0/85.0	110.0/95.0/85.0	116.7/103.3/91.7	141.7/125.0/110.0	231.7/206.7/186.7	240.0/215.0/186.7	261.7/235.0/215.0
Fan motor	Type		-	SSR Feedback	SSR Feedback	SSR Feedback	SSR Feedback	SSR Feedback	SSR Feedback	SSR Feedback
	Output x n		W	19W x 1	19W x 1	19W x 1	19W x 1	28W x 1	28W x 1	28W x 1
Piping Connections	Liquid Pipe		Ø, mm	6,35	6,35	6,35	6,35	6,35	6,35	9,52
			Ø, inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"
	Gas Pipe		Ø, mm	12,7	12,7	12,7	12,7	6,35	6,35	9,52
			Ø, inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"
	Drain Pipe		Ø, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Field Wiring	Power Source Wire	Minimum	mm²	1,5	1,5	1,5	1,5	1,5	1,5	1,5
	For connection with indoor	Minimum	mm²	0,75	0,75	0,75	0,75	0,75	0,75	0,75
		Remark	-	F1,F2	F1,F2	F1,F2	F1,F2	F1,F2	F1,F2	F1,F2
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	High/Mid/Low	dB(A)	30/28/25	31/28/25	31/29/26	36/33/29	38/35/33	39/36/33	40/38/35
	Sound Power	Cooling		47	48	48	51	53	53	55
Dimensions	Net Weight		kg	8,0	8,0	8,5	8,5	12,0	12,0	12,0
	Net Dimensions (W×H×D)		mm	820x285x227	820x285x227	820x285x227	820x285x227	1065x298x243	1065x298x243	1065x298x243

Accessories

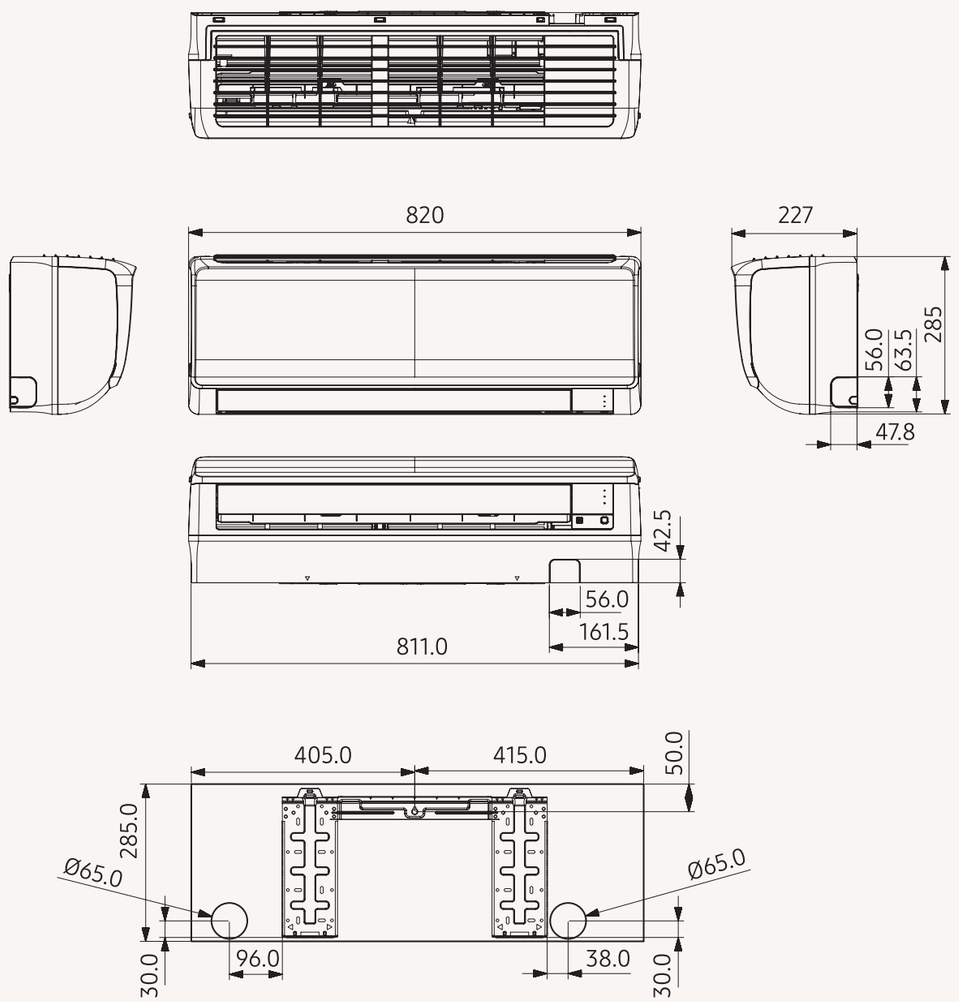
Individual Controllers (Optional)		Others (Optional)	
			
MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

VRF

Dimensional Drawings

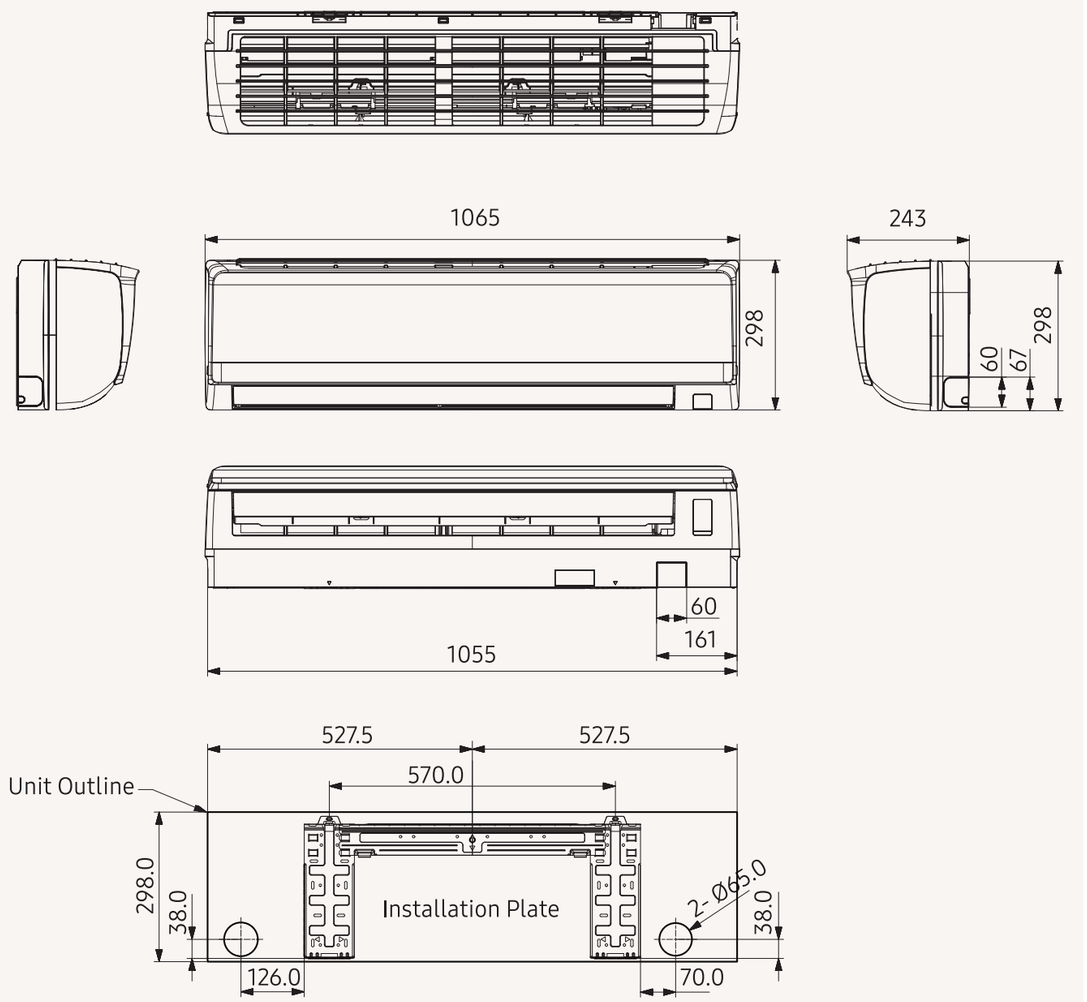
Wall-Mounted Boracay - With EEV

AM015/022/028/036KN*D*****



Pos.	Name	Description
1	Liquid pipe connection	Ø6.35 (Ø1/4)
2	Gas pipe connection	Ø12.7 (Ø1/2)
3	Drain pipe connection	ID 18 HOSE
4	Power supply/Communication wiring conduit	-

AM045/056/071KN*D****



Pos.	Name	Description
1	Liquid pipe connection	Ø6.35 (Ø1/4)
2	Gas pipe connection	Ø12.7 (Ø1/2)
3	Drain pipe connection	ID 18 HOSE
4	Power supply/Communication wiring conduit	-

VRF

Specifications

Wall-Mounted MAX

Model				AM093MNQDEH/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50
Performance	Capacity	Cooling	kW	9,3
		Heating		9,8
Power	Power Input	Cooling	W	66
		Heating		76
	Current Input	Cooling	A	0,47
		Heating		0,54
	Current	MCA	A	0,68
		MFA		15
Fan	Type		-	Crossflow Fan
	Quantity		EA	1
	Airflow Rate	H/M/L	m³/min	23 / 20 / 17
			l/s	383 / 333 / 283
Fan Motor	Type		-	BLDC Motor
	Output x n		W	58 x 1
Piping Connections	Liquid Pipe		Φ, mm	9,52
			Φ, inch	3/8"
	Gas Pipe		Φ, mm	15,88
			Φ, inch	5/8"
	Drain Pipe		Φ,mm	ID 18 HOSE
Wiring connections	Communica-tion	Min.	mm²	0,75
		Remark	-	F1, F2
Refrigerant	Type		-	R410A
	Electronic Expansion Valve		-	EEV INCLUDED
Sound	Sound Pressure Level	H/M/L	dB(A)	49/46/42
	Sound Power	Cooling		66
Dimensions	Net Weight		kg	18,5
	Net Dimensions (W×H×D)		mm	1280 x 345 x 253

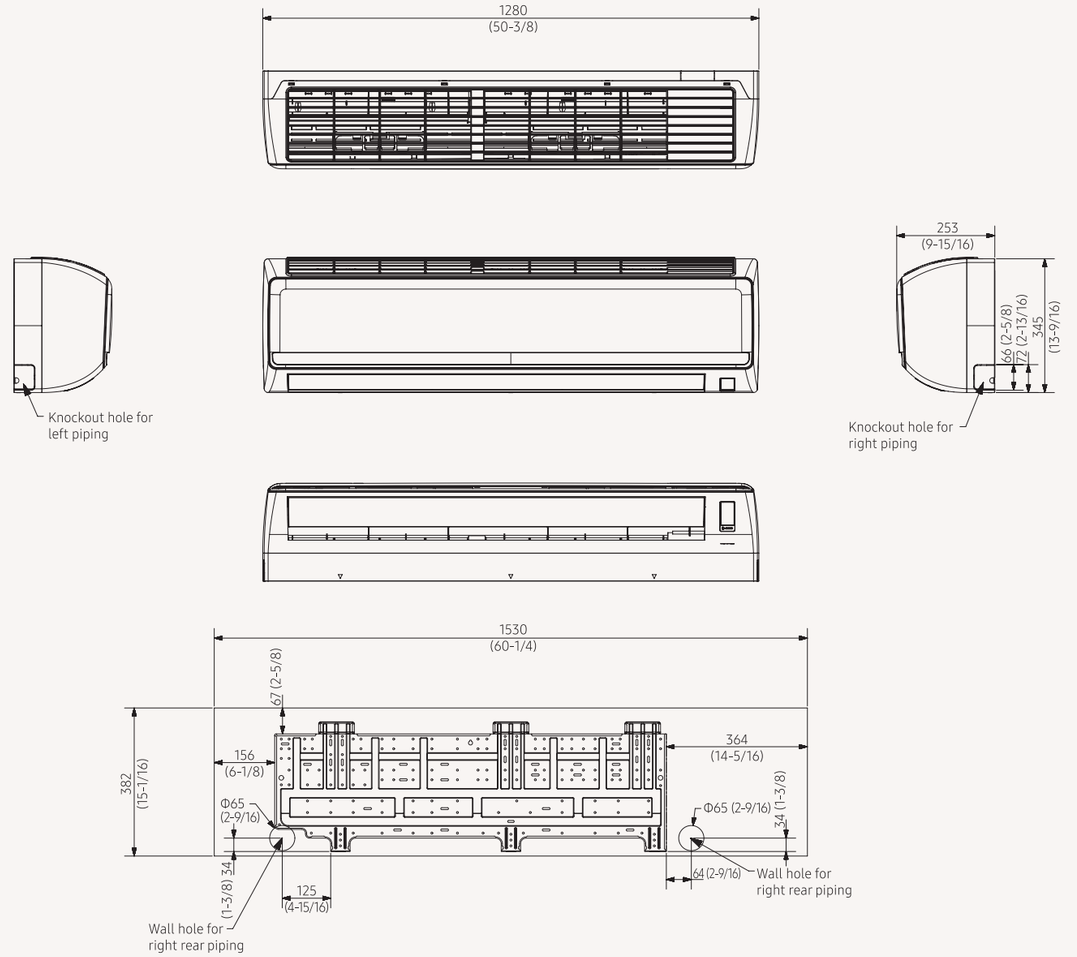
Accessories

Individual Controllers (Optional)		Others (Optional)	
			
MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

Dimensional Drawings

Wall-Mounted MAX

AM093MNQDEH



Pos.	Name	Description
1	Liquid pipe connection	Ø9.52 (3/8")
2	Gas pipe connection	Ø15.88 (5/8")
3	Drain pipe connection	ID 18 HOSE
4	Power supply/Communication wiring conduit	-

Specifications

Hydro Unit

Model (HE)				AM160FNBDEH/EU	AM320FNBDEH/EU	AM500FNBDEH/EU
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Performance	Capacity (Nominal)	Cooling	kW	14	28	44,8
		Heating		16	31,5	50,4
Power	Power Input (Nominal)	Cooling	W	10	10	10
		Heating		10	10	10
	Current Input (Nominal)	Cooling	A	0,05	0,05	0,05
		Heating		0,05	0,05	0,05
	MCA (Including External Contact)			2,2	2,2	2,2
	MFA		A	2,75	2,75	2,75
Heat Exchanger	Type		-	PHE	PHE	PHE
	Quantity		-	1	1	1
	Pipe Size		Ø, inch	PT1 (25A)	PT1 (25A)	PT1-1/4 (32A)
	Water Flow Rate		l/min	48	92	150
	Flow Switch		l/min	20	30	50
Piping Connections	Liquid Pipe		Ø, mm	9,52	9,52	12,7
			Ø, inch	3/8"	3/8"	1/2"
	Gas Pipe		Ø, mm	15,88	22,2	28,58
			Ø, inch	5/8"	7/8"	1 1/8"
FieldWiring	Power Source Wire (L<10m, Single Installation)		mm²	2,5	2,5	2,5
	Transmission Cable		mm²	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type		-	R-410A	R-410A	R-410A
	Control Method		-	EEV	EEV	EEV
Sound	Sound Pressure		dB(A)	27	28	31
Dimensions	Net Weight		kg	29	33	40
	Net Dimensions (W×H×D)		mm	518 x 627 x 330	518 x 627 x 330	518 x 627 x 330
Operating Temp. Range	Ambient	Cooling	˚C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
		Heating	˚C	-20 ~ 35	-20 ~ 35	-20 ~ 35
		Hot Water (Main Cooling, HR)	˚C	-20 ~ 35 (43)	-20 ~ 35 (43)	-20 ~ 35 (43)
	Leaving Water	Cooling	˚C	5.0 ~ 30.0	5.0 ~ 30.0	5.0 ~ 30.0
		Heating	˚C	20.0 ~ 50.0	20.0 ~ 50.0	20.0 ~ 50.0

Accessories

Individual Controllers (Optional)

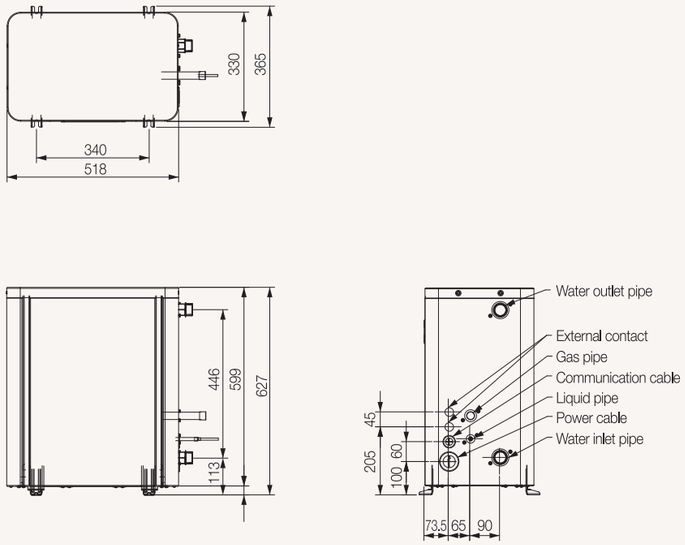
MWR-WW00N

Model (HT)				AM160FNBFEB/EU	AM160FNBFGB/EU	AM250FNBFEB/EU	AM250FNBFGB/EU
Power Supply			Ø, #, V, Hz	1, 2, 220-240, 50	3, 4, 380-415, 50	1, 2, 220-240, 50	3, 4, 380-415, 50
Performance	Capacity (Nominal)	Cooling	kW	-	-	-	-
		Heating		16	16	25	25
Power	Power Input (Nominal)	Cooling	W	-	-	-	-
		Heating		3100	3100	5000	5000
	Current Input (Nominal)	Cooling	A	-	-	-	-
		Heating		14,3	4,85	23,1	7,85
	MCA (Including External Contact)			24,15	12,88	32,15	12,88
	MFA			30,19	16,1	40,19	16,1
Heat Exchanger	Type		-	PHE	PHE	PHE	PHE
	Quantity		-	2	2	2	2
	Pipe Size		Ø, inch	PT1 (25A)	PT1 (25A)	PT1 (25A)	PT1 (25A)
	Water Flow Rate		l/min	23	23	36	36
	Flow Switch		l/min	12	12	12	12
Piping Connections	Liquid Pipe		Ø, mm	9,52	9,52	9,52	9,52
			Ø, inch	3/8"	3/8"	3/8"	3/8"
	Gas Pipe		Ø,mm	15,88	15,88	15,88	15,88
			Ø, inch	5/8"	5/8"	5/8"	5/8"
Field Wiring	Power Source Wire (L<10m, Single Installation)		mm²	4	2,5	4	2,5
	Transmission Cable		mm²	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type		-	R-134a	R-134a	R-134a	R-134a
	Control Method		-	EEV	EEV	EEV	EEV
	Factory Charging		kg / tCO2e	2.15 / 3.07	2.15 / 3.07	2.15 / 3.07	2.15 / 3.07
Sound	Sound Pressure		dB(A)	42	42	42	42
	Sound Power			-	-	-	-
Dimensions	Net Weight		kg	104	104	104	104
	Net Dimensions (W×H×D)		mm	518 x 1,210 x 330	518 x 1,210 x 330	518 x 1,210 x 330	518 x 1,210 x 330
Operating Temp. Range	Ambient	Cooling	˚C	-	-	-	-
		Heating	˚C	-20 ~ 35	-20 ~ 35	-20 ~ 35	-20 ~ 35
		Hot Water (Main Cooling, HR)	˚C	-20 ~ 35 (43)	-20 ~ 35 (43)	-20 ~ 35 (43)	-20 ~ 35 (43)
	Leaving Water	Heating	˚C	25.0 ~ 80.0	25.0 ~ 80.0	25.0 ~ 80.0	25.0 ~ 80.0

Dimensional Drawings

Hydro Unit

AM***FNBDEH/EU



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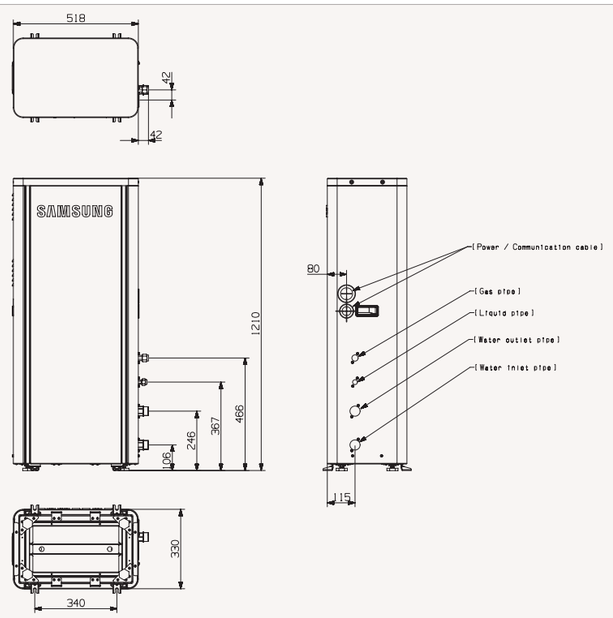


VRF

Specifications

Mode Control Unit (MCU)


Model			MCU-R4NEK0N	MCU-S6NEK3N
Type			HR Changer	MCU
Power Supply		Φ, #, V, Hz	1/220-240/50-60	1/220-240/50-60
Mode		-	Heat Recovery	Heat Recovery
Max. number of indoor units		EA	12	18
Max. indoor units per port		EA	3	3
Port number		EA	4	6
Max. capacity of indoor units		kW	22.4	22.4
Max. capacity indoor units per port		kW	5.6	5.6
	Y-Joint	kW	14.0	14.0
Refrigerant	Additional refrigerant charging	kg/unit	0.5	0.5
Piping Connections	Outdoor unit-Liquid Pipe	Φ, mm	9.52	9.52
		Φ, inch	3/8	3/8
	Gas Pipe (Low Pressure)	Φ, mm	19.05	19.05
		Φ, inch	3/4	3/4
	Gas Pipe (High Pressure)	Φ, mm	15.88	15.88
		Φ, inch	5/8	5/8
	Indoor unit- Liquid Pipe	Φ, mm	6.35	6.35
		Φ, inch	1/4	1/4
	Gas Pipe	Φ, mm	12.7	12.7
		Φ, inch	1/2	1/2
External Dimensions	Net Weight	kg	21.3	24.3
	Net Dimensions (W x H x D)	mm	728 x 199 x 469	728 x 199 x 469
Operating range	Cooling	℃	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating	℃	-25.0 ~ 26.0	-25.0 ~ 26.0

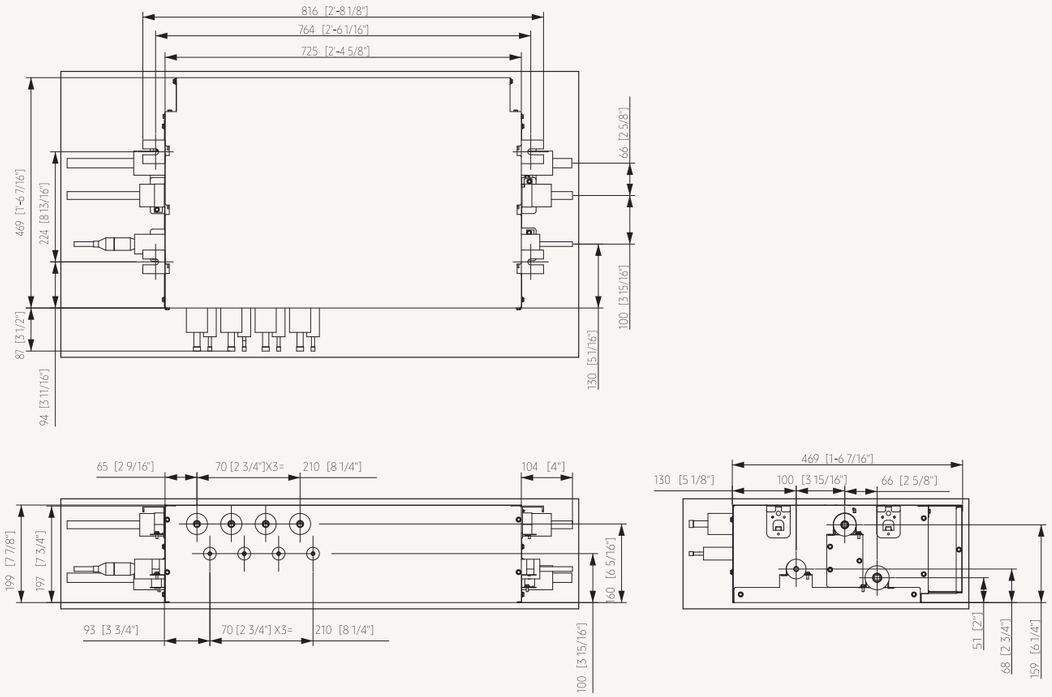



Model Name				MCU-S1NEK1N	MCU-S2NEK2N	MCU-S4NEK3N	MCU-S6NEK2N
Power Supply			Φ, #, V, Hz	1 / 2 / 220~240 / 50 , 1 / 2 / 208~230 / 60			
Power	Power Input (Nominal)	Cooling	W	19	25	40	55
		Heating		19	25	40	55
	Current Input (Nominal)	Cooling	A	0.2A	0.2A	0.2A	0.3A
		Heating		0.2A	0.2A	0.2A	0.3A
	MCA		A	2A	2A	2A	2A
	MFA (MOP)		A	15A	15A	15A	15A
Max. number of connectable indoor units			EA	8	16	32	32
Max. number of connectable indoor unit per branch			EA	8	8	8	8
Number of branches			EA	1	2	4	6
Max. capacity of connectable indoor units			kW	16,0	32,0	61,6	61,6
Max. capacity of connectable indoor units per branch		-	kW	16,0	16,0	16,0	16,0
		Y-Joint	kW	-	32,0	32,0	32,0
Field Wiring	Power Source Wire		mm2	2,5	2,5	2,5	2,5
	Transmission Cable		mm2	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Sound Pressure	Stable cooling Operation		dB(A)	33	34	36	36
	Heating-to-Cooling Change over			50	50	50	50
Additional refrigerant charging			kg/unit	0,5	0,5	0,5	0,5
Piping Connections	Outdoor unit	Liquid Pipe	Φ, mm	9,52	15,88	15,88	15,88
			Φ, inch	3/8"	5/8"	5/8"	5/8"
		Gas Pipe	Φ, mm	22,22	28,58	28,58	28,58
			Φ, inch	7/8"	1 1/8	1 1/8	1 1/8
		Discharge Gas	Φ, mm	19,05	28,58	28,58	28,58
			Φ, inch	3/8"	1 1/8	1 1/8	1 1/8
	Indoor unit	Liquid Pipe	Φ, mm	9,52	9,52	9,52	9,52
			Φ, inch	3/8"	3/8"	3/8"	3/8"
		Gas Pipe	Φ, mm	15,88	15,88	15,88	15,88
			Φ, inch	5/8"	5/8"	5/8"	5/8"
External Dimensions	Net Weight		kg	11,0	21,0	24,5	28,5
	Net Dimensions (WxHxD)		mm	338 x 409 x 199	728 x 469 x 199	728 x 469 x 199	728 x 469 x 199
Operation Limit	Cooling		℃ (℉)	-15~48 (5~118.4)	-15~48 (5~118.4)	-15~48 (5~118.4)	-15~48 (5~118.4)
	Heating		℃ (℉)	-25~24(-13~75.2)	-25~24(-13~75.2)	-25~24(-13~75.2)	-25~24(-13~75.2)

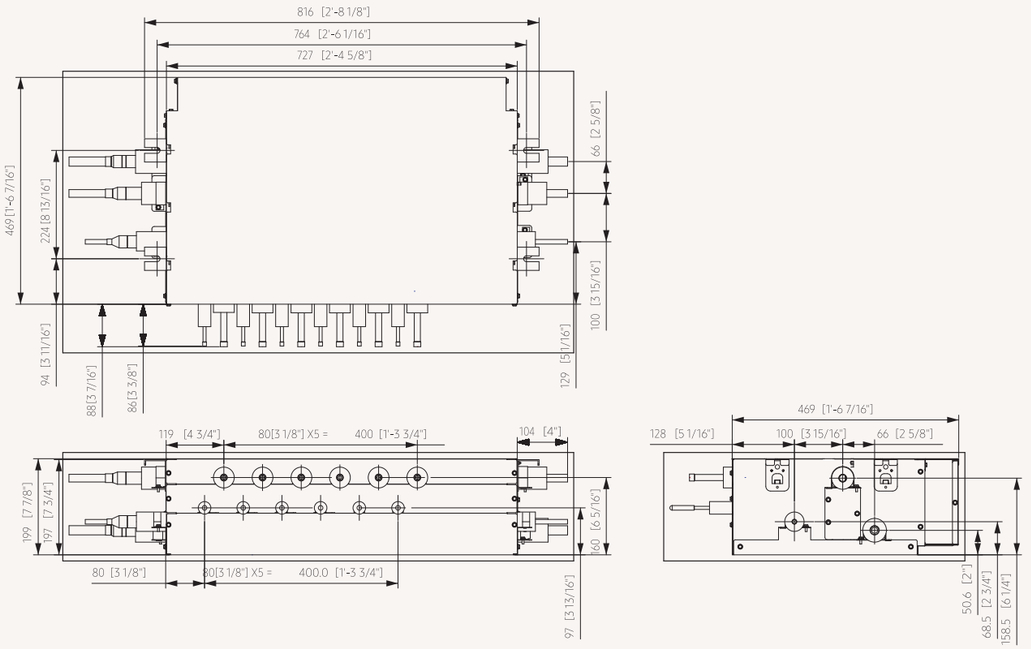
Dimensional Drawings

Mode Control Unit (MCU)

MCU-R4NEK0N



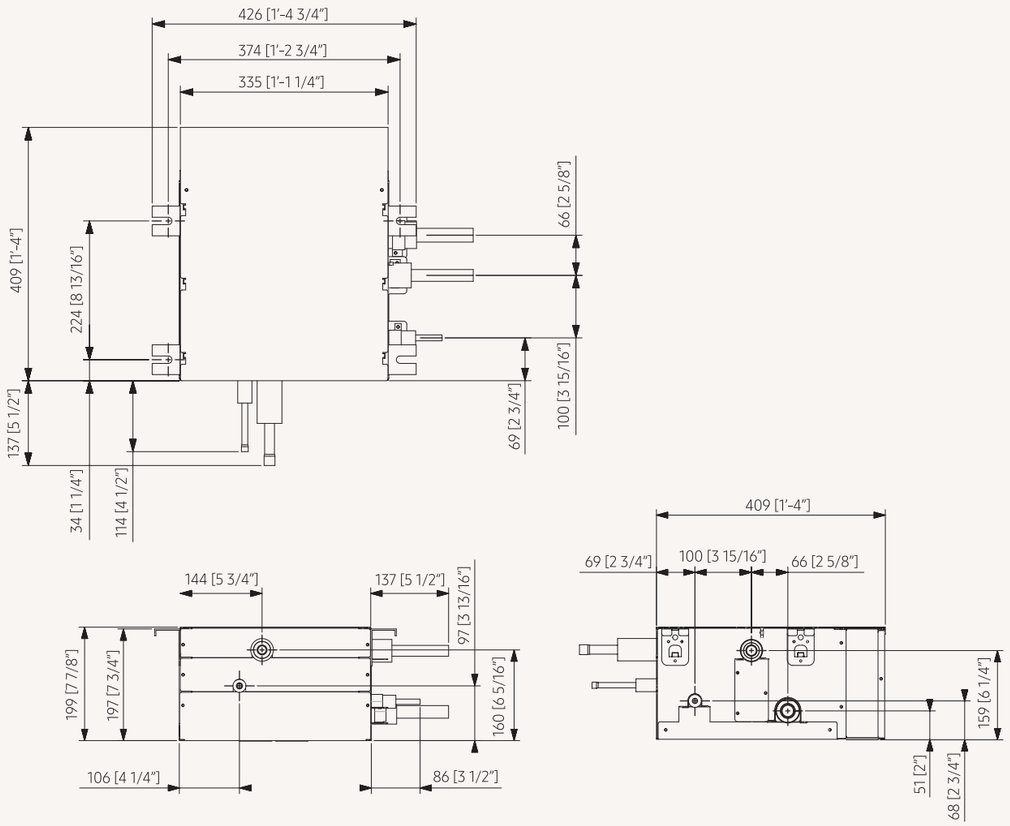
MCU-S6NEK3N



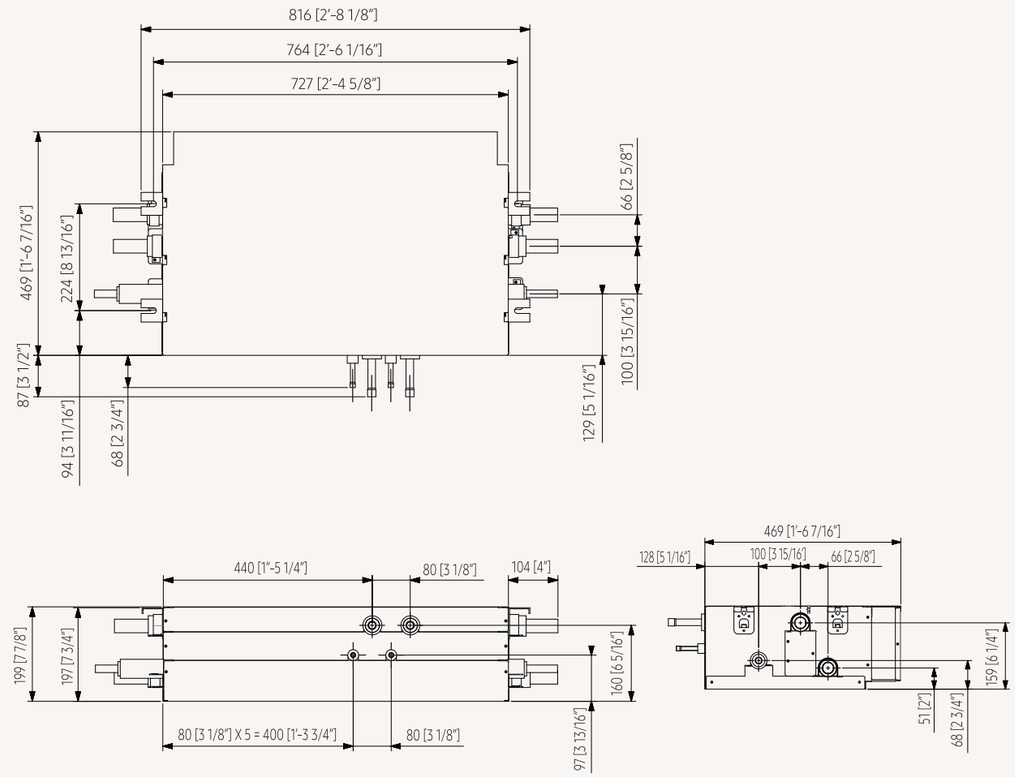
Dimensional Drawings

Mode Control Unit (MCU)

MCU-S1NEK1N



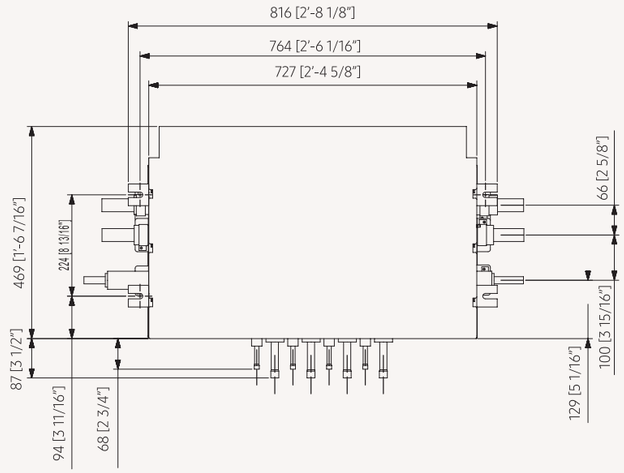
MCU-S2NEK2N

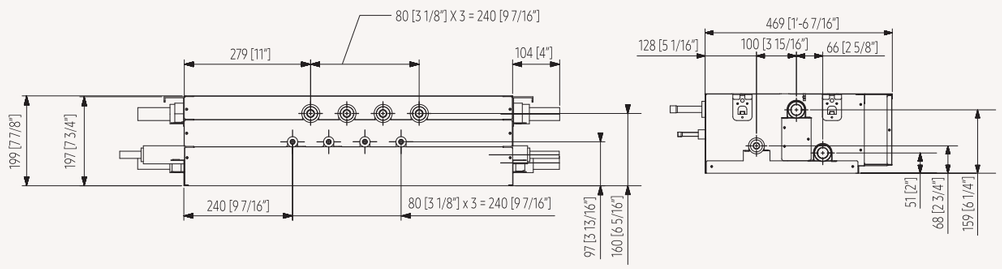


Dimensional Drawings

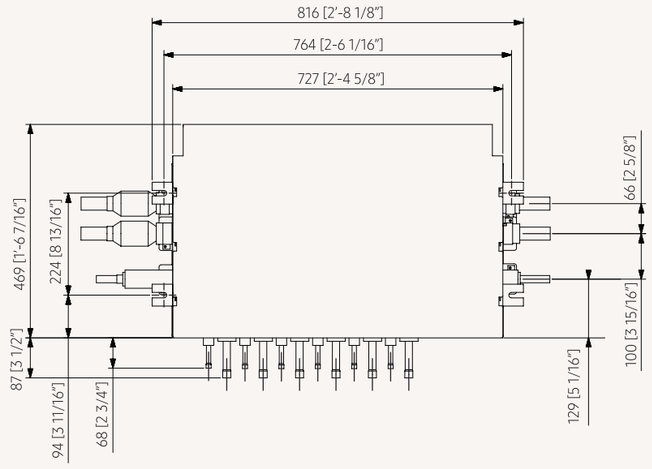
Mode Control Unit (MCU)

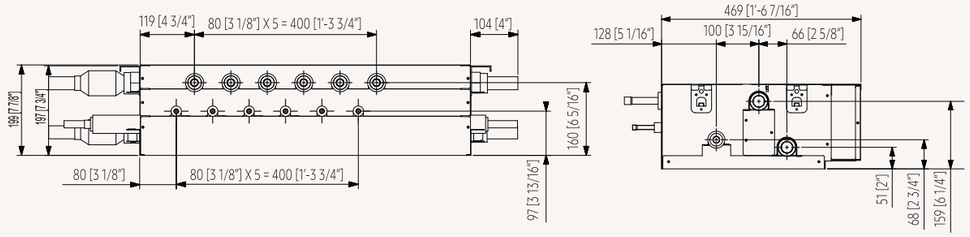
MCU-S4NEK3N





MCU-S6NEK2N





Specifications

AHU Kit for DVM Outdoor Unit

Model				AHU kit			MXD-K100AN	MXD-X000AN	Control kit	EEV Kit (Option)
				MXD-K025AN	MXD-K050AN	MXD-K075AN			MCM-D201N (10/20/30/40HP)	MXD-A64K100E (10HP)
Connectable Outdoor			-	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	HP	HP
Power Supply			Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	-
Design Recommendation	AHU Capacity Allowance	Max.	kW	8.8	17.5	24.9	35	-	35/70/105/140	35
			MBH	30	60	85	120	-	119/239/358/478	119
		Min.	kW	6.3	12.6	18.9	25.2	-	25.2/50.4/75.6/100.8	25.2
			MBH	21.6	43.2	64.8	86.4	-	86.4/172.8/259.2/345.6	86.4
	AHU Internal Heat Exchanger Volume Allowance	Max.	cm^3	2	4	6	8	-	8,000/16,000/24,000/32,000	8
		Min.	cm^3	1.2	2.4	4.1	6.1	-	6,100/12,200/18,300/24,400	6.1
Piping Connections (EEV kit)	High pressure pipe from outdoor unit		Φ, mm	9.52	9.52	9.52	9.52	-	-	12.7
			Φ, inch	3/8"	3/8"	3/8"	3/8"	-	-	1/2"
	High pressure pipe to AHU		Φ, mm	9.52	9.52	9.52	9.52	-	-	12.7
			Φ, inch	3/8"	3/8"	3/8"	3/8"	-	-	1/2"
Sensor	EVA. IN		Type/Φ	103HW/6Φ	103HW/6Φ	103HW/6Φ	103HW/6Φ	-	103HW/6Φ	-
			m/mm^2	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	-	$7m/2*0.75mm^2$	-
	EVA. OUT		Type/Φ	103HW/7Φ	103HW/7Φ	103HW/7Φ	103HW/7Φ	-	103HW/7Φ	-
			m/mm^2	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	-	$7m/2*0.75mm^2$	-
	Room		Type/Φ	103HW/Molding	103HW/Molding	103HW/Molding	103HW/Molding	-	"PT1000Ω/4~20mA	
			m/mm^2	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	-	-	-
	Discharge		Type/Φ	103HW/7Φ	103HW/7Φ	103HW/7Φ	103HW/7Φ	-	"PT1000Ω/4~20mA	
			m/mm^2	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	$10m/2*0.75mm^2$	-	-	-
Refrigerant	Type	-	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A
EEV kit	Type	-	-	INCLUDED	INCLUDED	INCLUDED	INCLUDED	NOT INCLUDED	NOT INCLUDED	-
	EEV Wire length		m	2	2	7	7	-	-	7
			ft	6.6	6.6	23	23	-	-	23
External Dimensions	EEV kit	(W×HxD)	mm	415 x102 x 170	415 x102 x 170	415 x102 x 170	415 x102 x 170	-	-	Accessory for MCM-D201N, Ordering Separately (1EA per 10HP)
Ordering Separately	Control Box	(W×HxD)	mm	380 x 130 x 280	380 x 130 x 280	380 x 130 x 280	380 x 130 x 280	380 x 130 x 280	385 x 53 x 275	-

VRF

Chiller

Line-up Indoor

Model Type	Image	2.6 kW	3 kW	4.2 kW	6 kW	7.2 kW	9 kW	10 kW
360 Cassette					•	•	•	•
1-Way Cassette		•	•	•				
4-Way Cassette					•	•	•	•

Line-up Outdoor

Model Type	Image	42 kW	56 kW	65 kW
Non-pump model		AG042KSVANH/EU	AG056KSVANH/EU	AG070KSVANH/EU

- By combining modules, each product enables high capacity. You can combine modules up to 16.

Combinations

Modulation guide

Total Capacity (kW)	Model			Suggested ø water piping (mm)
	AG042	AG056	AG070	
42	1			40
56		1		40
65			1	50
84	2			50
112		2		65
126	3			65
130			2	80
168		3		80
168 (high efficiency)	4			80
195			3	80
210	5			80
224		4		100
252	6			100
260			4	100
280		5		100
294	7			100
325			5	100
336		6		100
336 (high efficiency)	8			100
378	9			100
390			6	100
392		7		100
420	10			100
448		8		125

Total Capacity (kW)	Model			Suggested ø water piping (mm)
	AG042	AG056	AG070	
455			7	125
462	11			125
504		9		125
504 (high efficiency)	12			125
520			8	125
546	13			125
560		10		125
585			9	125
588	14			125
616		11		125
630	15			125
650			10	125
672		12		125
672 (high efficiency)	16			125
715			11	150
728		13		125
780			12	150
784		14		150
840		15		150
845			13	150
896		16		150
910			14	150
975			15	150
1040			16	150

Specifications

360 Cassette

Model				360 Cassette AG060MN4PKH/EU	360 Cassette AG072MN4PKH/EU	360 Cassette AG090MN4PKH/EU	360 Cassette AG105MN4PKH/EU
Power Supply			Φ, V, Hz	1, 220~240, 50/60	1, 220~240, 50/60	1, 220~240, 50/60	1, 220~240, 50/60
Mode			-	HP	HP	HP	HP
Performance	Capacity (Nominal)	Cooling	kW	6	7,2	9	10
		Heating		7,3	8,5	10	10,7
Power	Power Input (Nominal)	Cooling	W	58	58	77	100
		Heating		58	58	77	100
	Current Input (Nominal)	Cooling	A	0,5	0,5	0,62	0,79
		Heating		0,5	0,5	0,62	0,79
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity		EA	1	1	1	1
	Airflow Rate	H/M/L	CMM	21.0/17.5/15.0	25.5/22.0/19.8	29.5/24.0/19.8	31.5/22.5/19.8
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC
	Output x n		W	65 x 1	97 x 1	97 x 1	97 x 1
Water	Water Flow Rate	Cooling	LPM	17,5	20,8	26	28,9
	Water Flow Rate	Heating	LPM	21,1	24,5	28,9	30,9
	Loss of Head	Cooling	kPa	27	26	38,5	47,4
	Loss of Head	Heating	kPa	37,6	35,6	47,4	53,2
Piping Connections	Liquid Pipe (IN)		Type	PF MALE	PF MALE	PF MALE	PF MALE
			ø, mm (inch)	20A (3/4")	20A (3/4")	20A (3/4")	20A (3/4")
	Liquid Pipe (OUT)		Type	PF MALE	PF MALE	PF MALE	PF MALE
			ø, mm (inch)	20A (3/4")	20A (3/4")	20A (3/4")	20A (3/4")
	Heat insulation		-	Both inlet/outlet pipes	Both inlet/outlet pipes	Both inlet/outlet pipes	Both inlet/outlet pipes
	Drain Pipe		Φ,mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Wiring connections	Communication	Min.	mm²	0,75	0,75	0,75	0,75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2
Sound	Sound Pressure	High / Mid / Low	dB(A)	40/37/32	39/35/33	43/38/33	45/39/33
	Sound Power	Cooling		57	58	60	62
Dimensions	Net Weight		kg	21	25	25	25
	Net Dimensions (W×H×D)		mm	947 × 281 × 947	947 × 365 × 947	947 × 365 × 947	947 × 365 × 947
Casing	Material		-				
Panel	Panel model		-	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
				PC4NUNMAN	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
Additional Accessories	Drain pump	Type	-	Built In	Built In	Built In	Built In
		Max. lifting Height / Displacement	mm / (cc/min)	750 / 400	750 / 400	750 / 400	750 / 400
	Filter		-	Microfibrous filter	Microfibrous filter	Microfibrous filter	Microfibrous filter

Accessories

Panel (Optional) | Individual Controllers (Optional)


PC4NBDMAN


PC4NBNMAN


PC4NUDMAN


PC4NUNMAN


AR-KH00E


MWR-SH11N

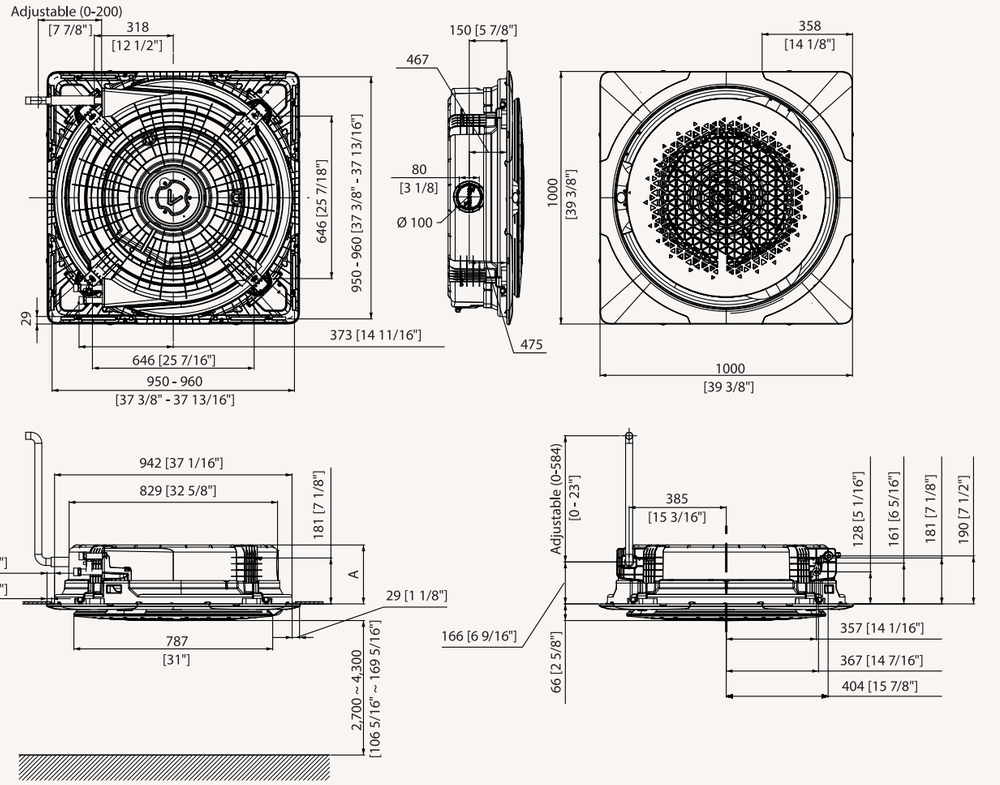

MWR-WE13N

- Cooling : Indoor temperature 27°C DB, 19°C WB / Water In/Out temperature 7°C, 12°C
  Heating : Indoor temperature 20°C DB, 15°C WB / Water In/Out temperature 45°C, 40°C
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Specifications may be subject to change without prior notice.
- Select wire size based on the value of MCA

Dimensional Drawings

360 Cassette (Square Type)

AG060/072/090/105MN4PKH/EU

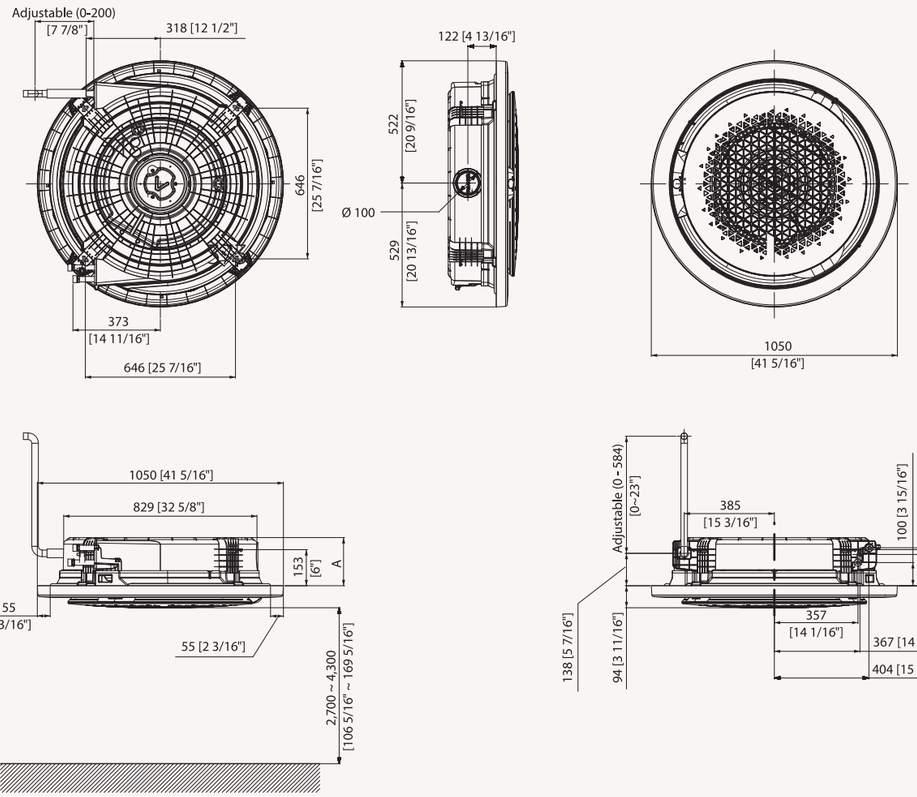


Type	A Type	B Type
Model	AG060MN4PKH/EU	AG072MN4PKH/EU
		AG090MN4PKH/EU
		AG105MN4PKH/EU
A	233 [9 3/16"]	317 [12 1/2"]
Pipe connection	PF 3/4" Male	
Drain pipe connection	VP25 (OD32, ID25)	

Dimensional Drawings

360 Cassette (Circle Type)

AG060/072/090/105MN4PKH/EU



Type	A Type	B Type
Model	AG060MN4PKH/EU	AG072MN4PKH/EU
		AG090MN4PKH/EU
		AG105MN4PKH/EU
A	205	289
Pipe connection	PF 3/4" Male	
Drain pipe connection	VP25 (OD32, ID25)	

Chiller

Specifications

1-Way Cassette

Model				1-Way Cassette AG026MN1DEH/EU	1-Way Cassette AG032MN1DEH/EU	1-Way Cassette AG042MN1DEH/EU
Power Supply			Φ, V, Hz	1, 220~240, 50	1, 220~240, 50	1, 220~240, 50
Mode			-	HP	HP	HP
Performance	Capacity (Nominal)	Cooling	kW	2,6	3	4,15
		Heating		2,9	3,35	5
Power	Power Input (Nominal)	Cooling	W	47	50	55
		Heating		47	50	55
	Current Input (Nominal)	Cooling	A	0,24	0,26	0,29
		Heating		0,24	0,26	0,29
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube
Fan	Type		-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Quantity		EA	1	1	1
	Airflow Rate	H/M/L	CMM	6.8/5.8/4.9	7.8/6.8/4.9	14.6/12.6/10.7
Fan Motor	Type		-	AC	AC	BLDC
	Output x n		W	12 x 1	12 x 1	54 x 1
Water	Water Flow Rate	Cooling	LPM	7,5	9,6	11,9
	Water Flow Rate	Heating	LPM	8,4	9,7	14,4
	Loss of Head	Cooling	kPa	23	34,5	45
	Loss of Head	Heating	kPa	28	35,8	64,6
Piping Connections	Liquid Pipe (IN)		Type	PF MALE	PF MALE	PF MALE
			ø, mm (inch)	20A (3/4")	20A (3/4")	20A (3/4")
	Liquid Pipe (OUT)		Type	PF MALE	PF MALE	PF MALE
			ø, mm (inch)	20A (3/4")	20A (3/4")	20A (3/4")
	Heat insulation		-	Both inlet/outlet pipes	Both inlet/outlet pipes	Both inlet/outlet pipes
	Drain Pipe		Φ,mm	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	VP25 (OD 32, ID 25)
Wiring connections	Communication	Min.	mm²	0,75	0,75	0,75
		Remark	-	F1, F2	F1, F2	F1, F2
Sound	Sound Pressure	High / Mid / Low	dB(A)	32/30/28	37/33/28	40/37/33
	Sound Power	Cooling		49	52	58
Dimensions	Net Weight		kg	10,5	10,5	14
	Net Dimensions (W×H×D)		mm	970 × 135 × 410	970 × 135 × 410	1,200 × 138 × 450
Casing	Material		-	Plastic	Plastic	Plastic
Panel	Panel model		-	PC1NUSMAN	PC1NUSMAN	PC1BWSMAN
Additional Accessories	Drain pump	Type	-	Built In	Built In	Built In
		Max. lifting Height / Displacement	mm / (cc/min)	750 / 400	750 / 400	750 / 400
	Filter		-	Microfibrous filter	Microfibrous filter	Microfibrous filter

Accessories

Panel (Optional)

PC1BWSMAN

PC1NUSMAN

Individual Controllers (Optional)

AR-EH03E

MWR-SH00N

MWR-SH11N

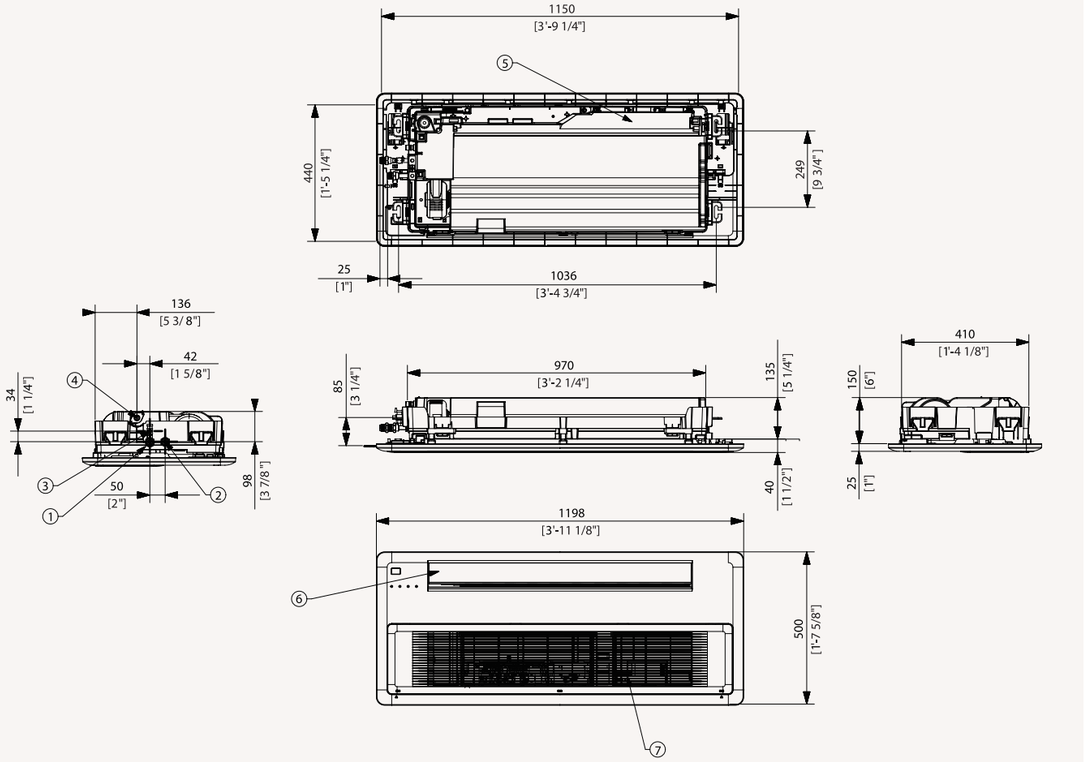
MWR-WE13N

- Cooling : Indoor temperature 27°C DB, 19°C WB / Water In/Out temperature 7°C, 12°C
  Heating : Indoor temperature 20°C DB, 15°C WB / Water In/Out temperature 45°C, 40°C
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Specifications may be subject to change without prior notice.
- Select wire size based on the value of MCA

Dimensional Drawings

1-Way Cassette (1150mm width)

AG026/032MN1DEH/EU

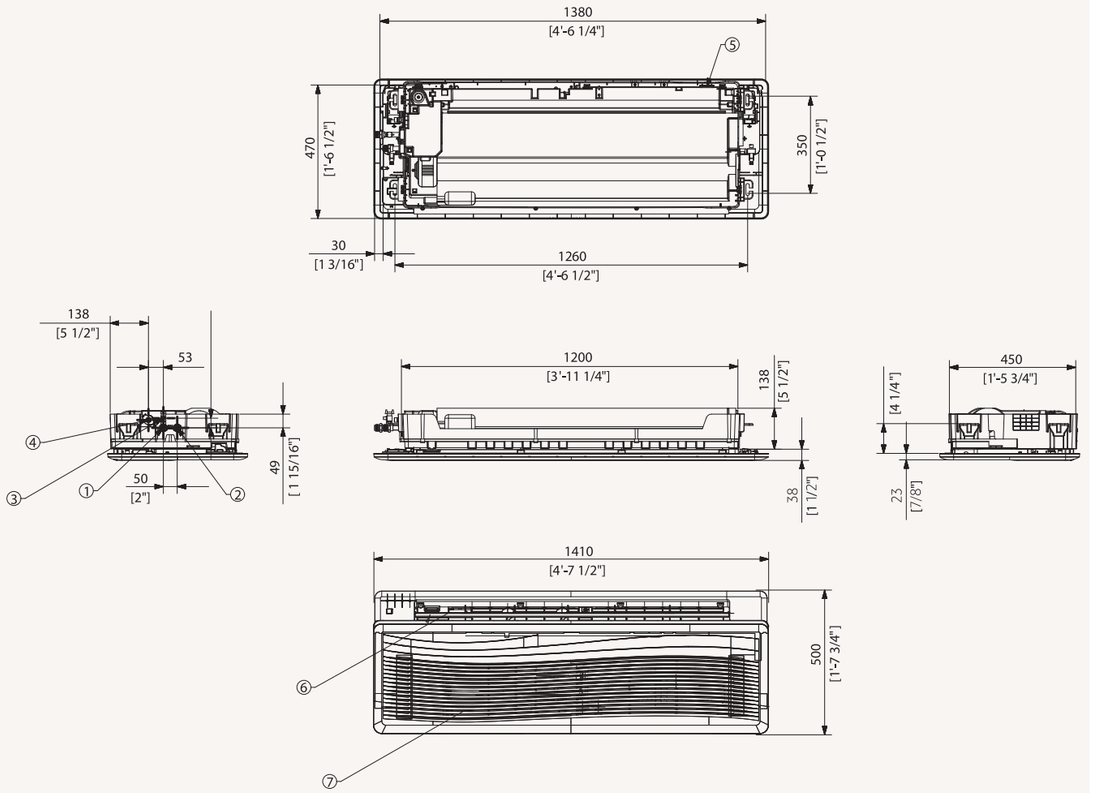


Pos.	Name	Description
1	Water pipe connection out	PF Male 3/4" (20A)
2	Water pipe connection in	PF Male 3/4" (20A)
3	Air vent valve	-
4	Drain hose	VP20 (OD26, ID20)
5	Power supply & Communication connection wiring conduit	-
6	Air discharge part	-
7	Air suction part	-

Dimensional Drawings

1-Way Cassette (1380mm width)

AG042MN1DEH/EU



Pos.	Name	Description
1	Water pipe connection out	PF Male 3/4" (20A)
2	Water pipe connection in	PF Male 3/4" (20A)
3	Air vent valve	-
4	Drain hose	VP25 (OD32, ID25)
5	Power supply & Communication connection wiring conduit	-
6	Air discharge part	-
7	Air suction part	-

Specifications

4-Way Cassette

Model				4-Way Cassette AG060MN4DKH/EU	4-Way Cassette AG072MN4DKH/EU	4-Way Cassette AG090MN4DKH/EU	4-Way Cassette AG105MN4DKH/EU
Power Supply			Φ, V, Hz	1, 220~240, 50/60	1, 220~240, 50/60	1, 220~240, 50/60	1, 220~240, 50/60
Mode			-	HP	HP	HP	HP
Performance	Capacity (Nominal)	Cooling	kW	6	7,2	9	10
		Heating		7,3	8,5	10	10,7
Power	Power Input (Nominal)	Cooling	W	50	73	82	99
		Heating		50	73	82	99
	Current Input (Nominal)	Cooling	A	0,37	0,5	0,58	0,79
		Heating		0,37	0,5	0,58	0,79
Fan	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	Fin & Tube
	Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity		EA	1	1	1	1
	Airflow Rate	H/M/L	CMM	18.9/16.5/13.6	21.3/18.2/13.6	23.3/21.3/19.4	30.1/26.2/19.4
Fan Motor	Type		-	BLDC	BLDC	BLDC	BLDC
	Output x n		W	65 x 1	65 x 1	65 x 1	97 x 1
Water	Water Flow Rate	Cooling	LPM	17,5	20,8	26	28,9
	Water Flow Rate	Heating	LPM	21,1	24,5	28,9	30,9
	Loss of Head	Cooling	kPa	27	36	46,8	56,3
	Loss of Head	Heating	kPa	37,3	48,6	56,3	63,4
Piping Connections	Liquid Pipe (IN)		Type	PF MALE	PF MALE	PF MALE	PF MALE
			ø, mm (inch)	20A (3/4")	20A (3/4")	20A (3/4")	20A (3/4")
	Liquid Pipe (OUT)		Type	PF MALE	PF MALE	PF MALE	PF MALE
			ø, mm (inch)	20A (3/4")	20A (3/4")	20A (3/4")	20A (3/4")
	Heat insulation		-	Both inlet/outlet pipes	Both inlet/outlet pipes	Both inlet/outlet pipes	Both inlet/outlet pipes
	Drain Pipe		Φ,mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Wiring connections	Communication	Min.	mm²	0,75	0,75	0,75	0,75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2
Sound	Sound Pressure	High / Mid / Low	dB(A)	37/33/30	41/35/30	42/38/35	45/40/35
	Sound Power	Cooling		56	60	58	60
Dimensions	Net Weight		kg	15,5	15,5	18	18
	Net Dimensions (W×H×D)		mm	840 × 204 × 840	840 × 204 × 840	840 × 246 × 840	840 × 246 × 840
Panel	Panel model		-	PC4NUSKAN PC4NUSKEN	PC4NUSKAN PC4NUSKEN	PC4NUSKAN PC4NUSKEN	PC4NUSKAN PC4NUSKEN
				PC4NBSKAN	PC4NBSKAN	PC4NBSKAN	PC4NBSKAN
Additional Accessories	Drain pump	Type	-	Built In	Built In	Built In	Built In
		Max. lifting Height / Displacement	mm / (cc/min)	750 / 400	750 / 400	750 / 400	750 / 400
	Filter		-	Microfibrous filter	Microfibrous filter	Microfibrous filter	Microfibrous filter

Accessories

Panel (Optional)

PC4NBSKAN

PC4NUSKAN

PC4NUSKEN

Individual Controllers (Optional)

AR-EH03E

MWR-SH00N

MWR-SH11N

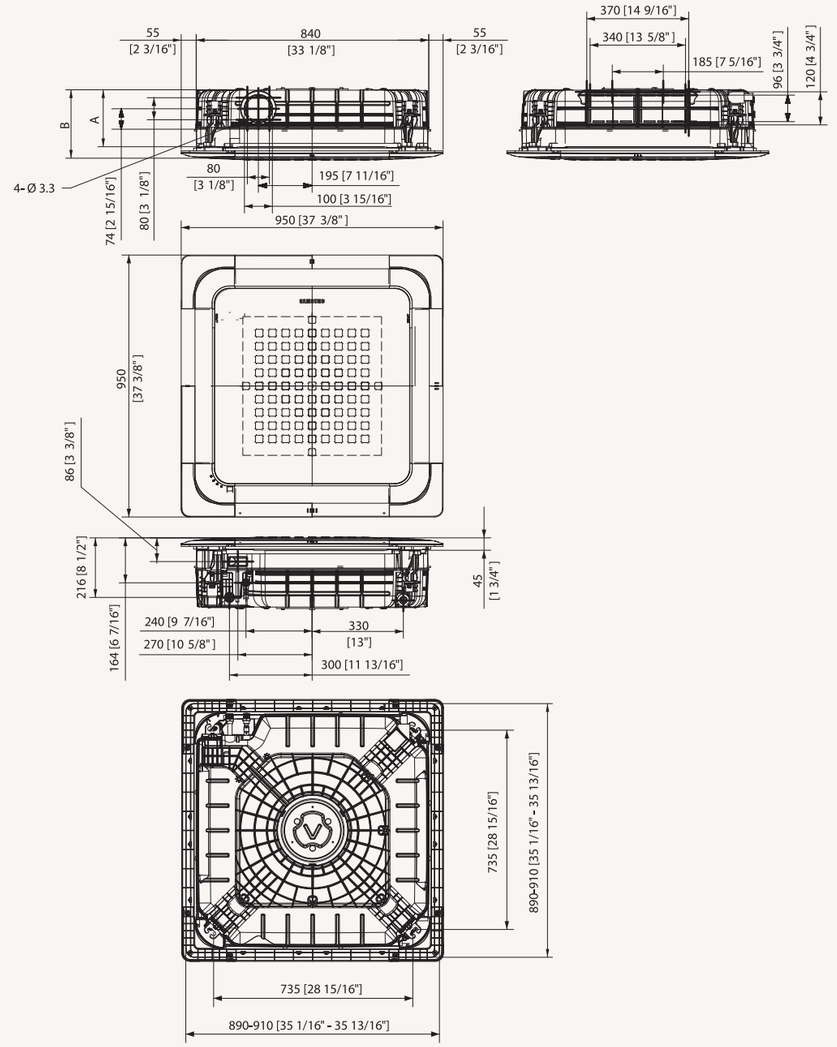
MWR-WE13N

- Cooling : Indoor temperature 27°C DB, 19°C WB / Water In/Out temperature 7°C, 12°C Heating : Indoor temperature 20°C DB, 15°C WB / Water In/Out temperature 45°C, 40°C
- Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
- Specifications may be subject to change without prior notice.
- Select wire size based on the value of MCA

Dimensional Drawings

4-Way Cassette

AG060/072/090/105MN4DKH/EU



Pos.	Name	Description
Model	AG060MN4DKH/EU	AG090MN4DKH/EU
	AG072MN4DKH/EU	AG105MN4DKH/EU
A	204 [8 1/16"]	246 [9 11/16"]
B	253 [9 15/16"]	295 [11 5/8"]
Pipe connection	PF 3/4" Male	
Drain pipe connection	VP25 (OD32, ID25)	

Specifications

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

Chiller Outdoor Unit

Model Name				AG042KSVANH/EU	AG056KSVANH/EU	AG070KSVANH/EU
Power Supply			Φ, #, V, Hz	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60
Performance	HP		HP	15	20	25
	Capacity (Nominal)	Cooling	kW	42	56	65
		Heating	kW	42	56	69,5
Power	Power Input (Nominal)	Cooling	kW	12,35	18,67	26
		Heating		11,83	17,5	24,39
	Current Input (Nominal)	Cooling	A	19,6	29,6	41,2
		Heating		18,8	27,8	38,7
		Minimum Ssc Value	MVA	7,094	7,094	13,983
	Current	MCA	A	32	46	58
		MFA	A	40	60	75
CoP	Nominal Cooling		W/W	3,4	3	2,5
			W/W	3,15	2,78	2,3
	Nominal Heating		W/W	3,55	3,2	2,85
			W/W	3,43	3,09	2,74
	ESEER (Pump input is not included)		W/W	5,7	5,4	5
			W/W	4,75	4,5	4,1
Fan	Type		-	Propeller	Propeller	Propeller
	Quantity		ea	2	2	2
	Airflow Rate		m2/mm	364 (182 x 2)	364 (182 x 2)	392 (196 x 2)
			l/s	6067	6067	6535
	External Static Pressure	Max	mmAq	8	8	8
		.	Pa	78,5	78,5	78,5
Fan Motor	Type		-	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n		W	630 x 2	630 x 2	630 x 2
Water Side Heat Exchanger	Type		-	Brazing Plate	Brazing Plate	Brazing Plate
	Water Flow Rate (Cooling/Heating)		LPM	120 / 120	160 / 160	186 / 200
	Pressure Drop (Set. Nominal)		kPa	60	100	120
	Max Operating Pressure		MPa	1	1	1
	Connection Type		-	FLANGE	FLANGE	FLANGE
	Pipe connection (Inlet/Outlet)		Φ, mm	40	40	50
			Φ, inch	1 1/2"	1 1/2"	2"
	Quantity		EA	2	2	2
Wiring connections	Communication	Min.	mm2	0,75	0,75	0,75
		Remark		F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A(GWP=2,088) which is fluorinated greenhouse gas.		
	Factory Charging		kg/tCO2e	18/37.58	18/37.58	18/37.58
Sound	Sound Pressure	Cooling		60	62	63
		Heating	dB(A)	57	59	64
	Sound Power			80	83	85
External Dimension	Net Weight		kg	446	446	465
	Net Dimensions (WxHxD)		mm	1,795x1,695x765	1,795x1,695x765	1,795x1,695x765
Operating Water temp. Range	Cooling		°C	5 ~ 25	5 ~ 25	5 ~ 25
	Cooling (If using brine)		°C	-10 ~ 25	-10 ~ 25	-10 ~ 25
	Heating		°C	25 ~ 55	25 ~ 55	25 ~ 55
Operating water flow Range	Water Flow Rate		LPM	60 ~ 240	80 ~ 320	93 ~ 400
	Minimum water storage in the system		L	294	392	490
Operating Amb. temp. Range	Cooling		°C	-15 ~ 48	-15 ~ 48	-15 ~ 48
	Heating		°C	-25 ~ 43	-25 ~ 43	-25 ~ 43

Accessories

Individual Controllers (Optional)	Additional Accessories (Optional)	Centralised Controllers (Optional)


MWR-SH11N


MCM-A00N


MIM-F10N


MIM-F00N


MIM-D01AN

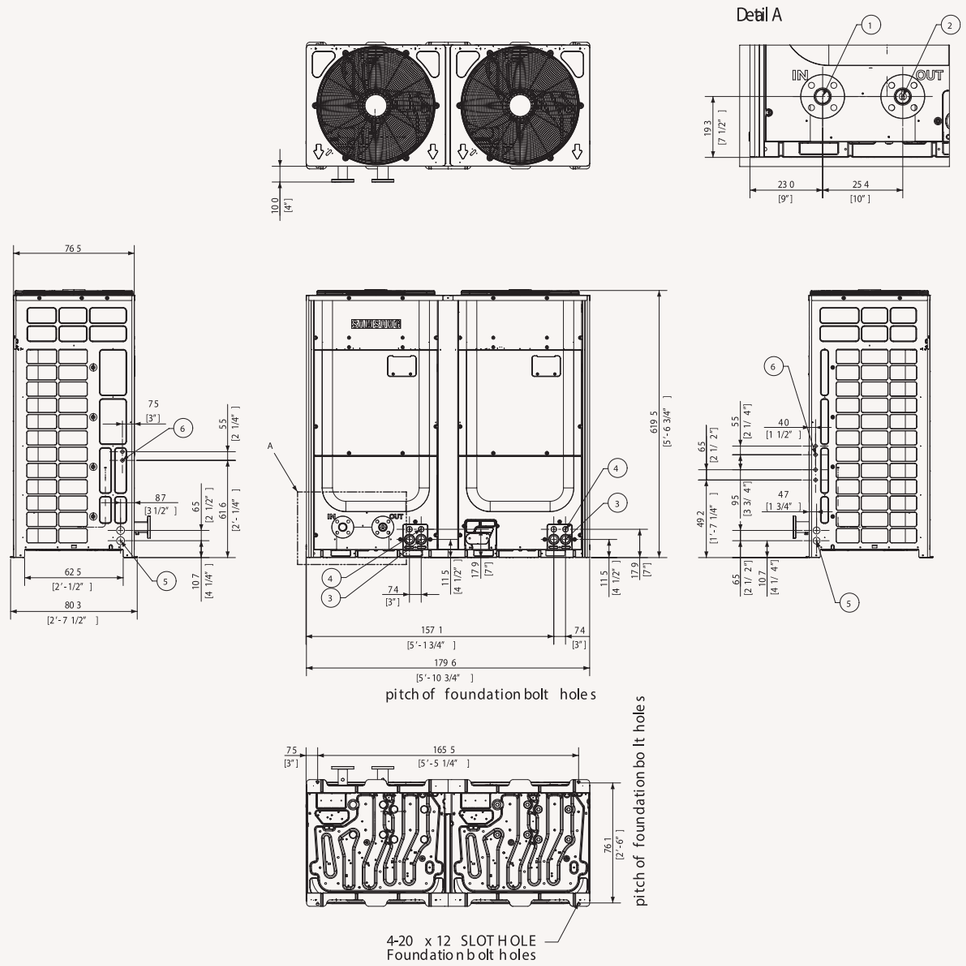

MIM-B17BN


MCM-A300N

Dimensional Drawings

Chiller Outdoor Unit

AG042/056/070KSV*NH/EU



No	Item	Spec
1	Inlet Water Flange	15/20 Hp 40A Din Flange, 25Hp : 50A Din Flange
2	Outlet Water Flange	15/20 Hp 40A Din Flange, 25Hp : 50A Din Flange
3	Power Wiring Conduit	Knock Out Hole (Front)
4	Communication Wiring Conduit	Knock Out Hole (Front)
5	Power Wiring Conduit	Knock Out Hole (Side)
6	Communication Wiring Conduit	Knock Out Hole (Side)

Ventilation

Specifications

ERV

Model Name				AN026JSKLKN/EU	AN035JSKLKN/EU	AN050JSKLKN/EU	AN080JSKLKN/EU	AN100JSKLKN/EU
Power Supply			Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Performance	Air Volume		m³/h	260	350	500	800	1000
	Temperature Exchange Efficiency	Cooling	Turbo/High/Low %	70/70/74	70/70/74	70/70/74	70/70/74	70/70/74
		Heating	Turbo/High/Low %	74/74/75	78/78/79	74/74/75	77/77/78	74/74/75
	Effective Enthalpy Exchange Efficiency	Cooling	Turbo/High/Low %	50/50/55	50/50/55	50/50/55	50/50/55	50/50/55
		Heating	Turbo/High/Low %	70/70/76	70/70/76	70/70/76	70/70/76	70/70/76
Power	Power Input		Turbo/High/Low W	115/80/45	115/80/50	175/120/65	330/230/125	450/280/155
	Current Input		Turbo A	0,7	0,7	1,1	2,1	2,9
Fan	Air Flow Rate		Turbo/High/Low m³/h	260/250/180	350/350/256	500/500/360	800/800/560	1000/1000/690
	External Static Pressure		Turbo/High/Low Pa	100/65/55	155/100/83	165/100/85	155/90/80	155/90/75
Noise Level	Sound Pressure*		Turbo/High/ Low/Quiet dB	31/28/25/22	32/29/26/23	35/32/28/24	36/33/29/25	37/34/30/26
	Sound Power		dBA					
Field Wiring	Power Source Wire		mm²	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5
	Transmission Cable		mm²	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Dimensions	Net Weight		kg	28,5	42,5	42,5	67	67
	Net Dimensions (W×H×D)		mm	600 x 350 x 660	1012 x 270 x 1000	1012 x 270 x 1000	1220 x 340 x 1135	1220 x 340 x 1135
	Supply/Return/Exhaust/ Outside Duct Flange (Ø)		mm	150	200	200	250	250

*Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Accessories	
CO2 Sensor	Individual Control System

MOS-C1

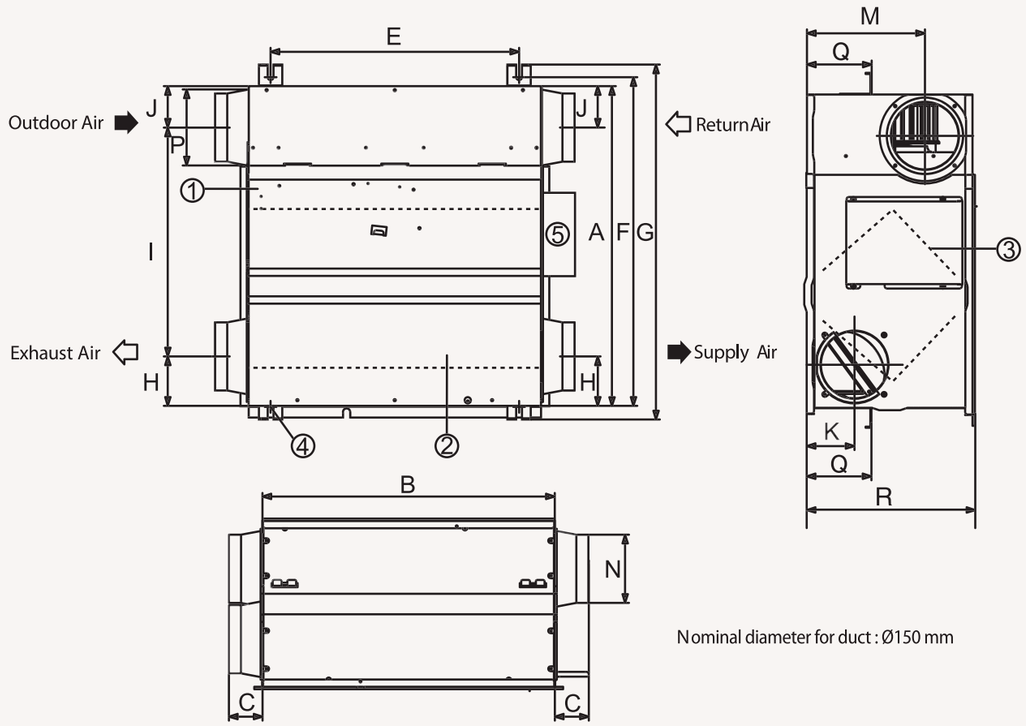
MWR-VH12N

MWR-WE13N

Note: Please order MOS-P1050 separately. Differential pressure switch (model code: MOS-P1050) is mandatory accessory for all ERV and ERV Plus units in EU countries according to Ecodesign Directive 1253/2014.

Dimensional Drawings

AN026JSKLKN/EU

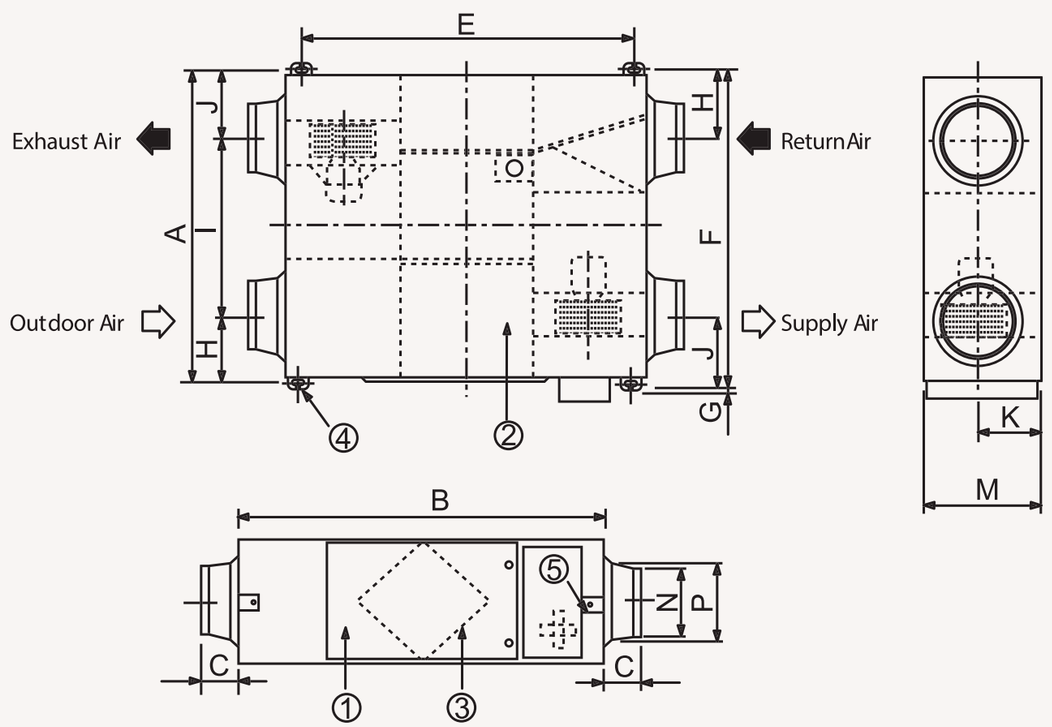


Nominal diameter for duct : Ø150 mm

No.	Name	Quantity
1	Maintenance cover	1
2	Heat exchange element	1
3	Dust filter	2
4	Hanger	4
5	Electrical component box	1

Model	A	B	C	E	F	G	H	I	J	K	M	N	P	Q	R
	Length (mm)										Diameter (mm)		Length (mm)		
026	600	660	70	510	675	729	102	470	85	98	242	140	156	133	350

035/050 - 080/100



No.	Name	Quantity
1	Maintenance cover	1
2	Heat exchange element	2
3	Dust filter	4
4	Hanger	4
5	Electrical component box	1

Model	Nominal diameter for duct (mm)
035/050	200
080/100	250

Model	A	B	C	E	F	G	H	I	J	K	M	N	P
	Length (mm)											Diameter (mm)	
035/050	1000	1012	99	940.6	1036.4	26	130	617	253	135	270	194	241.5
080/100	1135	1220	84	1110	1183	25	184	613.25	387.75	170	340	244	270

Ventilation

Specifications

ERV Plus for DVM S

Model					AM050FNKDEH/EU	AM100FNKDEH/EU
Power Supply				Ø, #, V, Hz	1, 2, 220~240, 50	1, 2, 220~240, 50
Performance	Temp. Exchange Efficiency	Cooling	Turbo/High/Low	-	70/70/74	70/70/74
		Heating	Turbo/High/Low	-	75/75/79	75/75/79
	Effective Enthalpy Exchange Efficiency	Cooling	Turbo/High/Low	-	60/60/66	62/62/68
		Heating	Turbo/High/Low	-	73/73/79	75/75/81
	Outside Air Processing Capacity		Cooling (DX Coil/ Element)	-	5.1(3.6/1.5)	10.5(7.1/3.4)
			Heating (DX Coil/ Element)	-	6.5(4.0/2.5)	13.2(8.0/5.2)
Fan	Airflow rate		Turbo/High/Low(UL)	CMH	500/500/360	1000/1000/690
				l/s	138.9/138.9/100	277.8/277.8/191.7
	External Static pressure		Turbo/High/Low	mmAq	16.3/10.2/8.7	15.3/9.2/7.6
				Pa	160/100/85	150/90/75
	Motor		Type	-	BLDC	BLDC
			Output	W	180	70
			Quantity	EA	2	2
Power	Power Input		Turbo/High/Low	W	220/140/90	510/350/235
	Current Input		Turbo/High/Low	A	1.7/1.0/0.6	3.7/2.4/1.6
Piping Connections	Liquid Pipe			Ø, mm	6,35	6,35
				Ø, inch	1/4"	1/4"
	Gas Pipe			Ø, mm	12,7	12,7
				Ø, inch	1/2"	1/2"
	Drain Pipe			Ø, mm	VP25 (OD32, ID25)	VP25 (OD32, ID25)
				Ø, inch	VP25 (OD 1-1/4", ID 1")	VP25 (OD 1-1/4", ID 1")
	Water Supply			Ø, mm	12,7	12,7
				Ø, inch	1/2"	1/2"
Field Wiring	Power Source Wire			mm²	1.5/2.5	1.5/2.5
	Transmission Cable			mm²	0.75~1.5	0.75~1.5
Refrigerant	Type			-	R410A	R410A
	Control Method			-	EEV	EEV
Sound Pressure	Sound Level		Turbo / High / Low	dBA	36 / 32 / 28	36 / 33 / 31
Dimensions	Net Weight			kg	61	90
	Net Dimensions (W×H×D)			mm	1,553 x 270 x 1,000	1,763 x 340 x 1,135
	Supply/Return/Exhaust/Outside Duct Flange (Ø)			mm	200	250
Accessory	Air Filter			-	High Efficiency Filter(PP)	High Efficiency Filter(PP)
Optional Accessory	Humidifier		Type	-	Natural Evaporating Type	Natural Evaporating Type
			Qty	EA	1	1
			Amount	kg/h	2,7	5,4
			Pressure Feed Water	MPa	0.02~0.49	0.02~0.49
	S-Plasma Ion Kit			-	MSD-EAN1	MSD-EAN1
	CO2 Sensor			-	MOS-C1	MOS-C1
	Humidity Sensor			-	Option	Option
Ambient Condition	Around Unit			-	0~40°C DB, 80%RH or less	0~40°C DB, 80%RH or less
	Outdoor Air			-	-15~40°C DB, 80%RH or less	-15~40°C DB, 80%RH or less
	Return Air			-	0~40°C DB, 80%RH or less	0~40°C DB, 80%RH or less

Accessories

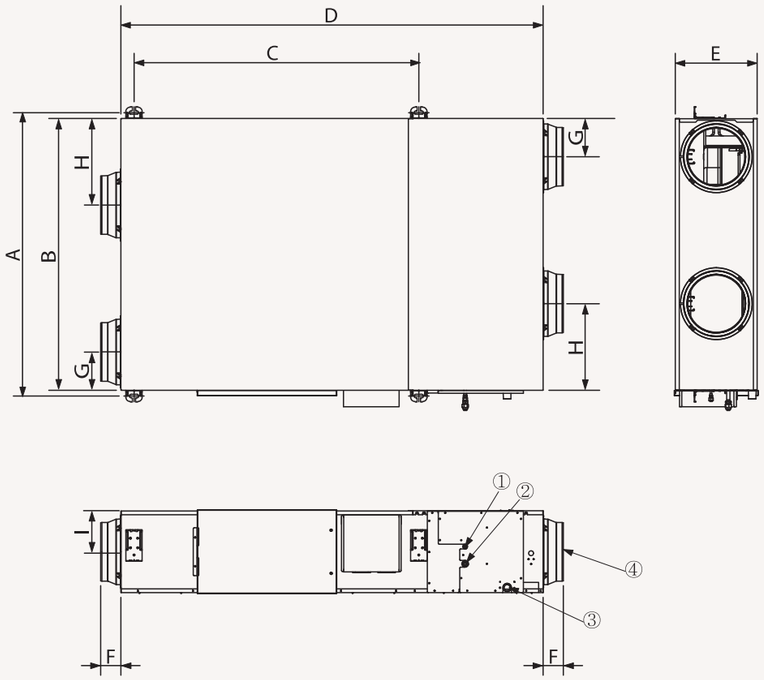
Individual Controllers (Optional)		CO2 Sensor	SPi Ionizer
			
MWR-VH12N	MWR-WE13N	MOS-C1	MSD-EAN1

Note: Please order MOS-P1050 separately. Differential pressure switch (model code: MOS-P1050) is mandatory accessory for all ERV and ERV Plus units in EU countries according to Ecodesign Directive 1253/2014.

Dimensional Drawings

ERV Plus

AM***FNKDEH/EU



Model	A	B	C	D	E	F	G	H	I
RHF050KHEA	1036	1000	987	1553	270	99	130	253	135
RHF100KHEA	1183	1135	1189	1763	340	84	160	362	170

No.	Name		Description
1	Liquid pipe connection		Ø6.35 Flare
2	Gas pipe connection		Ø12.70 Flare
3	Drain pipe connection		VP25 (OD32, ID25)
4	Nominal diameter for duct	AM050FNKDEH	Ø200
		AM100FNKDEH	Ø250

Ventilation

Specifications

Outdoor Air Processing (OAP) Duct for DVM S

Model				AM140MNEPEH/EU	AM220MNEPEH/EU	AM280MNEPEH/EU
Power Supply			Ø, #, V, Hz	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Performance	Capacity (Nominal)	Cooling	kW	14	22,4	28
		Heating		8,9	13,9	17,4
Power	Power Input (Nominal)	Cooling	W	300	450	600
		Heating		300	450	600
	Current Input (Nominal)	Cooling	A	2,2	3,5	4,6
		Heating		2,2	3,5	4,6
Heat exchanger	Type			Fin & Tube	Fin & Tube	Fin & Tube
	Material		Fin	Al	Al	Al
			Tube	Cu	Cu	Cu
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	W	183 x 1	630 x 1	630 x 1
		Quantity	EA	2	2	2
	Air Flow Rate	H/M/L	m^3/min	18	28	35
			l/s	300	466,7	583,3
	External Pressure	Min/Std/Max	mmAq	15,3/ 20,4/ 25,5	18,4/ 23,4/ 29,6	20,4/ 25,5/ 30,6
			Pa	150/200/250	180/230/290	200/250/300
Piping Connections	Liquid Pipe		Ø, mm	9,52	9,52	9,52
			Ø, inch	3/8"	3/8"	3/8"
	Gas Pipe		Ø, mm	15,88	19,05	22,22
			Ø, inch	5/8"	3/4"	7/8"
	Drain Pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Field Wiring	Transmission Cable	Min.	mm^2	0.75	0.75	0.75
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV (INCLUDED)	EEV (INCLUDED)	EEV (INCLUDED)
Noise Level	Sound Pressure*	H/M/L	dB	42	46	47
	Sound Power	Cooling	dBA	65	66	69
Dimensions	Net Weight		kg	49	81,5	81,5
	Net Dimensions (WxHxD)		mm	1210x370x656	1360x460x910	1360x460x910
Additional Accessories	Drain Pump	Drain Pump	-	MDP-M075SGU2D	MDP-G075SP	MDP-G075SP
		Max. lifting Height / Displacement	mm/ Liter/h	750/24	750/24	750/24
	Air Filter		-	Removable/ Washable	Removable/ Washable	Removable/ Washable

Accessories

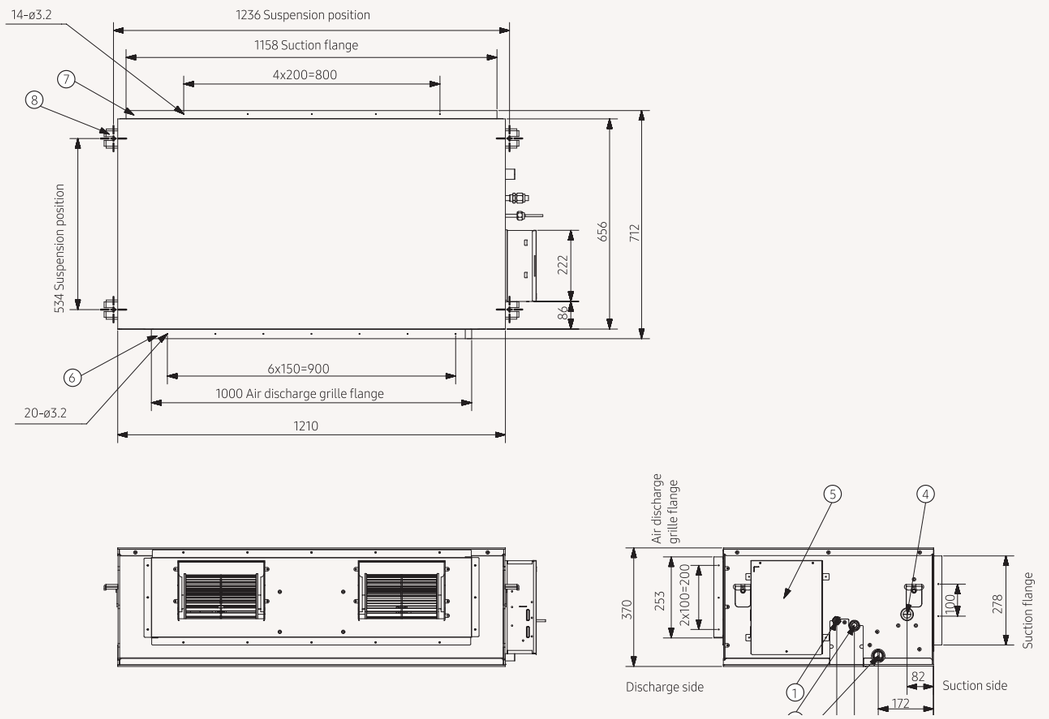
Individual Controllers (Optional)			Others (Optional)		
					
AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WE13N	MIM-H03N	MRK-A10N (to be matched with AR-EH03E)	MRW-TA

*Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

Dimensional Drawings

OAP Duct for DVM S

AM140MNEP✻H

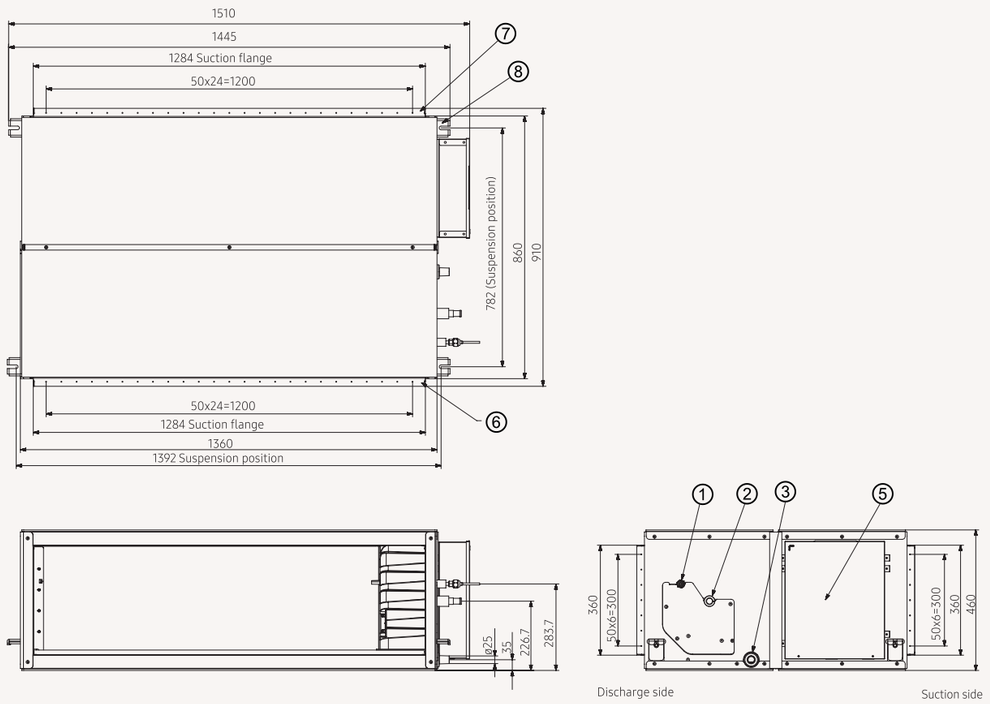


No.	Name	Description
1	Diameter of liquid pipe	Φ9.52
2	Diameter of air pipe	Φ15.88
3	Diameter of drain pipe	Φ25, ID Φ20
4	Diameter of drain pipe (Optional drain pump)	OD Φ25, ID Φ20
5	Power supply / Communication connection	-
6	Air discharge grille flange	-
7	Suction flange	-
8	Hook	Φ9.52 or M10

Dimensional Drawings

OAP Duct for DVM S

AM140MNEP*H



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1	Diameter of liquid pipe	Φ9.52
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3	Diameter of drain pipe	Φ25, ID Φ20
4	Diameter of drain pipe (Optional drain pump)	OD Φ25, ID Φ20
5	Power supply / Communication connection	-
6	Air discharge grille flange	-
7	Suction flange	-
8	Hook	Φ9.52 or M10

Ventilation

Controls

Lineup

	Product	Model	Image	Matchable Products
Individual Control System	Wireless Remote Controller	AR-EH03M AR-EH03E		DVM, FJM, CAC
	Wireless Remote Controller	AR-KH00E AR-KH03E*		CAC,DVM *only for 360 Cassette
	Wired Remote Controller	MWR-WE13N MWR-WE13		DVM, CAC, FJM
	Simple Type	MWR-SH00N		DVM, CAC
	Touch Type	MWR-SH11N		DVM, CAC +Wind-Free function
	ERV Wired Remote Controller	MWR-VH12N		ERV
	Wireless Receiver Kit	MRK-A10 MRK-A10N		DVM, CAC (only Duct models)
Centralised Control System	ON/OFF Controller	MCM-A202DN MCM-A202D (FJM Only)		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Touch Centralised Controller	MCM-A300N		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Wi-Fi kit	MIM-H03N MIM-H03 (FJM Only)		All
	Module Controller	MCM-A00N		DVM Chiller
Integrated Management System	DMS2.5	MIM-D01AN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	S-NET3	MST-P3P		

	Product	Model	Image	Matchable Products
Gateway System	BACnet Gateway	MIM-B17BN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	LonWorks Gateway	MIM-B18BN		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	External Contact Interface Module	MIM-B14		DVM, RAC, FJM, CAC, EHS
	PIM (Pulse Interface Module)	MIM-B16N		DVM, FJM, CAC, ERV Plus, EHS Split/Mono
	Interface Module (Converter RS485 to NASA)	MIM-N01		FJM, CAC, EHS
	ERV Interface Module (Converter RS485 to NASA)	MIM-N10		ERV
	FCU Interface Module	MIM-F10N		Chiller
Installation/ Test Run Solution	S-Converter	MIM-C02N		
Others	External Room Sensor	MRW-TA		DVM, FJM, CAC
	Operation Mode Selection Switch	MCM-C200		
	MTFC (Multi-Tenant Function Controller)	MCM-C210N		

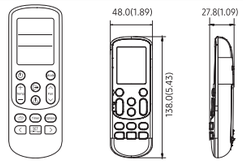
Controls

Features & Dimensional Drawings

Individual Control System

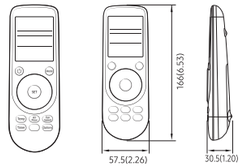
Wireless Remote Controller
AR-EH03E / AR-EH03M

- Operation ON/OFF control
- Fan speed control
- Operation temperature setting
- Wind-Free™ cooling function
- Filter replacement alarm reset
- Air swing control
- Simple ON/OFF timer
- Indoor unit option code setting
- Option/Setting selection



Wireless Remote Controller
AR-KH03E

- 360 cassette airflow direction control
- Operation ON/OFF control
- Fan speed control
- Operation temperature setting
- Filter replacement alarm reset
- Simple ON/OFF timer
- Indoor unit option code setting



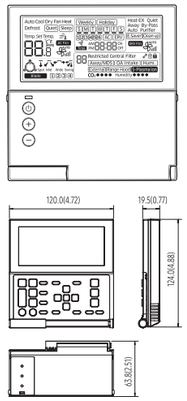
Wired Remote Controller
MWR-WE13N / MWR-WE13 (FJM Only)

Air conditioner/ERV control
- AC operation ON/OFF control
- AC operation mode, setting temperature, fan speed, airflow direction setting
- AC individual blade control
  (Function is available when indoor units support any of above functions)
- ERV operation ON/OFF control
- ERV operation mode, fan speed setting
- AC/ERV error monitoring
- Filter cleaning alert and reset alert time
- Individual/group control, indoor unit/ERV interlocking control
- Energy saving control
- Control maximum 16 "Indoor unit + ERV" in group with single wired remote controller
- 360 Cassette and Wind-Free compatible

Energy saving operation
- Upper/Lower temperature limit setting
- Automatic operation stop: Automatically stops the operation, when it is not used for certain period of time set by user

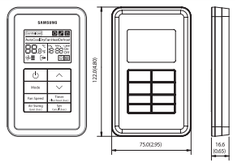
Weekly operation schedule setting
- Weekly operating schedule (A/C only, ERV only, A/C+ERV)
- Able to set desired AC operation mode, setting temperature and fan speed to operate based on weekly reservation
- Able to apply schedule exception day

User convenience function
- Child lock
- Different button permission levels (Operation mode, temperature setting, ON/OFF, fan speed)
- Real-time clock: Displays current time, day (Summer time support)
- Built-in room temperature sensor
- Service mode support
  - Indoor unit cycle data monitoring
  - Indoor unit option code setting and monitoring
  - Indoor unit address setting and monitoring



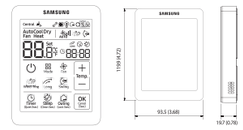
Simple Type
MWR-SH00N

- Simplified wired remote controller
- AC operation ON/OFF control
- Fan speed control
- Setting operation mode and temperature
- Reset filter cleaning alert indicator
- Adjust airflow direction
- Operation ON/OFF timer function



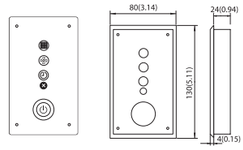
Touch Controller
MWR-SH11N

- Bigger Display: Clear & bright backlight screen with big fonts
- Wind-Free button: Control Wind-Free function with just one click
- Room Temperature Monitor and display room temperature thanks to the built-in temperature sensor
- Icon/Function Lock: Possibility to restrict icon/function on the display
- Sleep Mode: Help users to sleep better by controlling temperature
- Outing Feature: Keep room temperature above/below specific set value when the user is out of room



Wireless Receiver Kit
MRK-A10N
MRK-A10 (FJM Only)

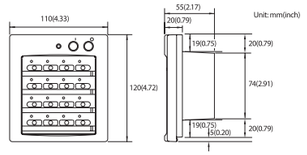
- Concealed wireless signal receiver
- Filter replacement sign
- Fan operation display
- Operation Timer setting display
- Operation ON/OFF button
- Operation On display LED (blue)
- Defrost operation display LED (red)



Centralised Control System

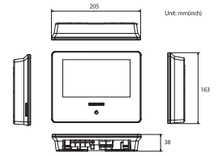
ON/OFF Controller
MCM-A202DN
MCM-A202D (FJM Only)

- Maximum 16-group controller (Max. 128 units)
- Whole/Group/Individual indoor unit control (ON/OFF)
- Restriction on the use of wireless/wired remote controllers and external contact control
- Cooling and heating mode control
- Indoor unit error display



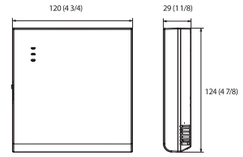
Touch Centralised Controller
MCM-A300N

- 7 inch touch LCD controller
- Controls maximum 128 indoor units
- Controls maximum 12 zones
- Schedule control, Indoor unit usage restriction, View indoor unit error history



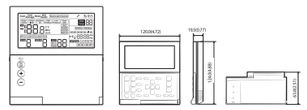
Wi-Fi Kit
MIM-H03N
MIM-H03 (FJM only)

- Control and monitoring system air conditioner by mobile phone. (Max. 16 units)
- Weekly schedule setting
- Group control and monitoring (ON/OFF)
- Current/daily/weekly/monthly energy usage data of outdoor unit. (This function is available in certain outdoor unit model)



Module Controller
MCM-A00N

- DVM CHILLER ON/OFF control (Module/Group)
- Operation mode, water outlet temperature setting
- Optional operation setting
- Module/Group setting
- Weekly operation schedule setting

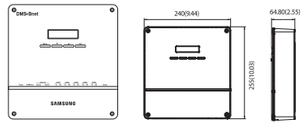


Gateway System

BACnet Gateway
MIM-B17BN

With the BMS control and monitoring function, BACnet gateway makes it easy to control the air conditioning network in various ways. BACnet gateway can control up to 256 indoor units, used in combination with S-NET 3.

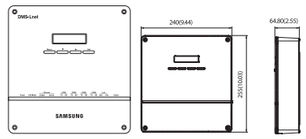
- Interface for BACnet management system
- Maximum 256 indoor units plus ERVs support with a maximum of 80 interface modules
- Includes DMS 2.5 functions



LonWorks Gateway
MIM-B18BN

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

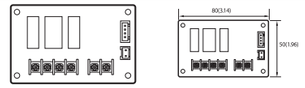
- Exclusive use for DMS 2.5 power distribution
- Connection with up to 8 watt-hour meters
- Pulse interface with watt-hour meters
- Watt hour meter - by 3rd party



External Contact Interface Module
MIM-B14

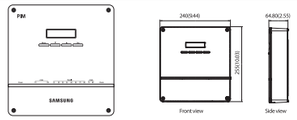
Samsung Guestroom Management System saves users the energy and money wasted on cooling an unoccupied room. The air conditioner is activated when the Key-Tag is in place and turns off when the Key-Tag is removed. An external contact interface module provides direct indoor unit control via an external contact signal, as well as window-synchronised indoor unit control. The emergency control function features simple contact input. Plus the module generates indoor unit operation/error state output through relay contacts.

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



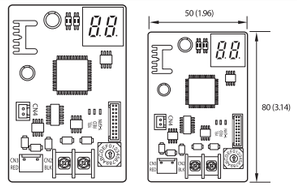
PIM (Pulse Interface Module)
MIM-B16N

- The Watt-hour Meter Interface Module can be exclusively used for DMS 2.5 power distribution, displaying power consumption for each watt-hour meter.
- Exclusive use for DMS 2.5 power distribution
- Connection with up to 8 watt-hour meters
- Pulse interface with watt-hour meters
- Watt hour meter - by 3rd party



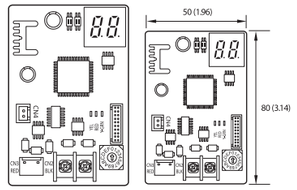
Interface Module
MIM-N01

- Communication interface module between outdoor units and the upper level controller which has different communication type
- Connect 1 interface module to 1 outdoor unit
- Individual control - Maximum 48 indoor units
- Group control - Maximum 16 groups
- Detecting communication type automatically: Judge the communication type of upper level controller according to communication type of the outdoor unit
- Supported communication type
  - Conventional communication outdoor unit ↔ New communication upper level controller
  - New communication outdoor unit ↔ Conventional communication upper level controller



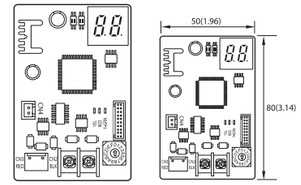
Interface Module (Converter RS485 to NASA)
MIM-N10

- Communication interface module between new communication ERV and controller
- Connect 1 ERV interface module to Max. 16 ERVs
- Individual control – Maximum 16 ERVs
- Group control – Maximum 16 groups
- Supported communication type
  - Conventional communication ERV ↔New communication upper level controller
  - New communication ERV ↔ Conventional communication upper level controller
  - New communication ERV ↔ New communication upper level controller



FCU Interface Module
MIM-F10N

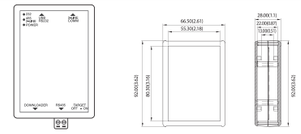
- Communication interface module between
- Connect 1 FCU interface module to Max. 16 FCU KITs.
- Supports FCU KIT only



Installation/Test Run Solution

S-Converter
MIM-C02N

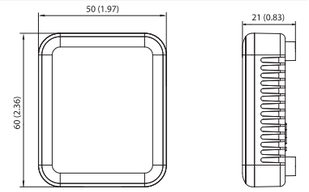
- Communication converting module to connect Samsung system air conditioner to a PC.
- Main purpose for use
  - To connect with test run program [Test run program]
  - S-NET Pro: Conventional communication
  - S-NET Pro2: New communication



Others

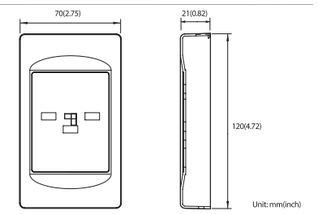
External Room Sensor
MRW-TA

- Indoor unit is operated by MRW-TA instead of its own sensor.
- Wire length : 12m(39ft)



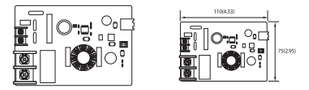
Operation Mode Selection Switch
MCM-C200

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



MTFC (Multi-Tenant Function Controller)
MCM-C210N

- Multi tenant function controller is an auxiliary power supply device which allows indoor unit to turn off (close EEV) normally and maintain communication when main power supply is cut.
- It is used in site such as hotel where individual power is supplied to the indoor unit



Accessories

Accessories

Classification	Image	Model DVM S (New Communication Protocol)	Application
Drain Pump		MDP-E075SEE3D	Slim Duct(2.0 ~ 14.0 kW)
		MDP-M075SGU1D	M.S.P Duct(9.0/11.2 kW)
		MDP-M075SGU2D	M.S.P Duct(12.8/14.0 kW) H.S.P Duct(11.2/14.0 kW)
		MDP-M075SGU3D	M.S.P Duct(5.6/7.1 kW)
		MDP-N047SNC0D	Fresh Air Intake Duct (14.0 kW)
		MDP-N047SNC1D	H.S.P Duct(22.4/28.0 kW) Fresh Air Intake Duct (22.4/28.0 kW)
		-	Global Duct (External Type)
		-	Global Duct (Internal Type)
AHU Kits		MXD-K025AN	7.0 ~ 8.75 kW AHU
		MXD-K050AN	14.0 ~ 17.5 kW AHU
		MXD-K075AN	21.0 ~ 26.25 kW AHU
		MXD-K100AN	28.0 ~ 35.0 kW AHU
		MXD-A64K100E	AHU EEV Kit (10HP)
		MCM-D201N	Control Kit (PBA, 10HP~40HP)
Humidifier		MVO-VA050100	500 CMH (ERV Plus)
		MVO-VA100100	1,000 CMH (ERV Plus)
360 Cassette Front Panel		PC4NUDMAN	NASA, Square
		PC4NBDMAN	NASA, Square - Black
		PC4NUNMAN	NASA, Circle (Exposed installation)
		PC4NBNMAN	NASA, Circle (Exposed installation) - Black
Wind-Free™ 4-Way Cassette Front Panel		PC4NUFMAN	Wind-Free 4-Way Cassette
4-Way Cassette Front Panel		PC4NUSKAN	4-Way Cassette S - Waffle
		PC4NUSKEN	4-Way Cassette S - Classic
		PC4NBSKAN	4-Way Cassette S - Black
Wind-Free™ 4-Way Cassette Front Panel (600x600)		PC4SUFMAN	Wind-Free 4-Way Cassette (600x600)
Wind-Free™ 1-Way Cassette Front Panel		PC1NWFMAN	
1-Way Cassette Front Panel		PC1BWSMAN	1-Way Cassette (New Air Fluid Design) (1.7~2.2kW)
		PC1NUSMAN	Slim 1-Way Cassette (2.2~3.5kW)
		PC1NUPMAN	Slim 1-Way Cassette Z-Sliding (2.2~3.5kW)
2 Way Cassette Front Panel		PC2NUSMEN	2Way Cassette
SPi Ionizer		MSD-CAN1	Big Ceiling
		MSD-EAN1	Duct S
Motion Detect Sensor		MCR-SMA	4-Way Cassette S (600x600)
		MCR-SMC	Wind-Free™ 4-Way
		MCR-SMD	Wind-Free™ Mini 4-Way

Classification	Image	Model	Application
Y- joint		MXJ-YA1509M	15.0 kW and below
		MXJ-YA2512M	Over 15.0 kW ~ 40.0 kW and below
		MXJ-YA2812M	Over 40.0 kW ~ 45.0 kW and below
		MXJ-YA2815M	Over 45.0 kW ~ 70.3 kW and below
		MXJ-YA3419M	Over 70.3 kW ~ 98.4 kW and below
		MXJ-YA4119M	Over 98.4 kW ~ 135.2 kW and below
		MXJ-YA4422M	Over 135.2 kW
Y-Joint (HR Only)		MXJ-YA1500M	22.4 kW and below
		MXJ-YA2500M	Over 22.4 kW ~ 70.3 kW and below
		MXJ-YA3100M	Over 70.3 kW ~ 135.2 kW and below
		MXJ-YA3800M	Over 135.2 kW
Y-Joint (Outdoor Unit)		MXJ-TA3419M	135.2 kW and below
		MXJ-TA4122M	140.2 kW and Over
Y-Joint (HR Outdoor Unit)		MXJ-TA3100M	135.2 kW and below
		MXJ-TA3800M	140.2 kW and Over
Distribution Header		MXJ-HA2512M	45.0 kW and below (for 4 rooms)
		MXJ-HA3115M	70.3 kW and below (for 8 rooms)
		MXJ-HA3819M	Over 70.3 kW ~ 135.2 kW and below (for 8 rooms)
Heat Recovery Changer		MCU-R4NEK0N	
		MCU-S6NEK3N	
MCU		MCU-S6NEK2N	6 ports, max 61.6kW (~16kW/1port)
		MCU-S4NEK3N	4 ports, max 61.6kW (~16kW/1port)
		MCU-S2NEK2N	2 ports, max 32.0kW (~16kW/1port)
		MCU-S1NEK1N	1 port, max 16.0kW (~16kW/1port)
EEV Kit		MXD-E24K132A	2 Indoor
		MXD-E24K200A	
		MXD-E32K200A	
		MXD-E24K232A	
		MXD-E24K300A	3 Indoor
		MXD-E32K224A	
		MXD-E32K300A	
		MEV-E24SA	1 Indoor
		MEV-E32SA	
PDM (Pressure Drop Modulation) Kit		MXD-A38K2A	8~12 HP
		MXD-A12K2A	14~16 HP
		MXD-A58K2A	18~26 HP

Accessoiries

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Learn more about Samsung Climate Solutions at:
www.samsung.com/climate

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

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