Samsung Air Conditioning Solutions 2016

Create ideal air conditions in any environment with a total heating and cooling solution



SAMSUNG

Samsung

Moving with, and ahead of, our customers

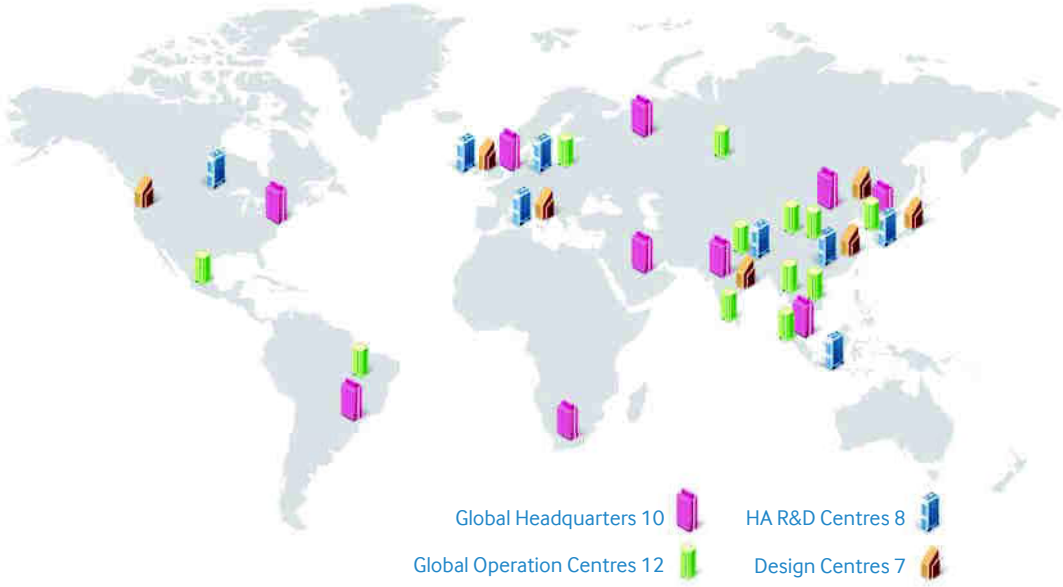
"Put simply, our differentiation is centered on producing innovative technology that brings genuine change to people's lives. We do this by bringing a relentless focus on consumer experience and product innovation to everything we do." SUE SHIM CMO (CHIEF MARKETING OFFICER), SAMSUNG





Overseas Industry Leaders – Global Network

In more than 75 countries are the foundation of Samsung business. Through their diverse views and talents, Samsung can understand and adapt to markets, wherever they operate.



Samsung Air Conditioning

Introduction

Samsung have been manufacturing air conditioning systems for almost 40 years, utilising the latest technology and striving to produce the most innovative, efficient and reliable systems on the market today.

At Samsung Electronics, we're committed to helping our customers, partners and employees discover new experiences and possibilities. Across all our businesses, we're inspired by the changing world around us to create new technologies for consumers. From products that are designed to keep pace with how we live our lives to the core components that make it all possible.

This guide has been produced to assist in the selection of the most suitable equipment for today's commercial projects, from Samsung's comprehensive portfolio of 2 and 3-pipe air and water cooled systems, extensive range of indoor unit designs and variety of control options.

Samsung air conditioning has been specified and installed in a wide range of projects and applications in conjunction with other products from the Samsung Electronics product portfolio, including hotel TVs, display screens, CCTV, security systems, wireless networks, mobile devices and Smart Home.

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Samsung System Air Conditioner

Global Reference Sites



Location: **Hungary**
Project: **Shopping mall**



Location: **Germany**
Project: **Soccer stadium**



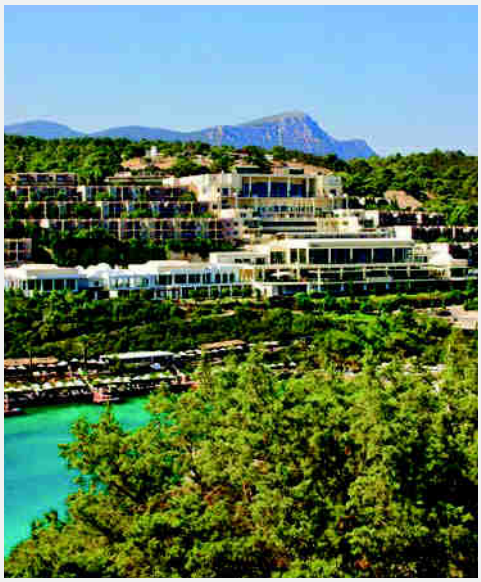
Location: **Czech Republic**
Project: **Apartment building**



Location: **Turkey**
Project: **University**



Location: **Croatia**
Project: **Office and residential building**



Location: **Turkey**
Project: **Princess Resort**



Location: **Slovenia**
Project: **Utility company**



Location: **Turkey**
Project: **Office building**



Location: **Turkey**
Project: **Office building**



Location: **Turkey**
Project: **Hotel**



Location: **Germany**
Project: **Business park**



Location: **Greece**
Project: **Restaurant**



Location: **France**
Project: **Hotel**

Samsung System Air Conditioner

Global Reference Sites



Location: **China (Tianjin)**
Project: **International Airport**



Location: **India**
Project: **Fathe Prakash Palace**



Location: **China (Tianjin)**
Project: **Apartment, Office**



Location: **Korea**
Project: **Soccer Stadium**



Location: **Saudi Arabia**
Project: **Medical Clinic**



Location: **Qatar**
Project: **Office Building**



Location: **Turkey (Istanbul)**
Project: **Mall of Istanbul**



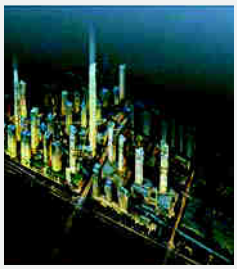
Location: **Austria**
Project: **City Hall Traiskirchen**



Location: **China (Nanjing)**
Project: **Office**



Location: **China (Qingdao)**
Project: **Office**



Location: **China (Beijing)**
Project: **Industry & Technology Park**



Location: **Vietnam (Hanoi)**
Project: **Viet Han Tower**



Location: **Korea (Songdo)**
Project: **World Mark**



Location: **UAE**
Project: **Residential Building**



Location: **Australia (Sydney)**
Project: **St. Joseph School**



Location: **UK (Edinburgh)**
Project: **Sheraton Hotel**

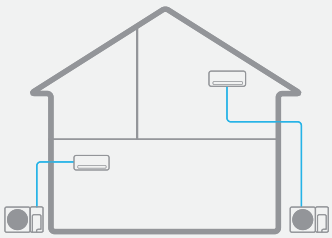


Location: **Kenya (Mombasa)**
Project: **English Point Marina**

Product Categories

RAC Room Air Conditioning

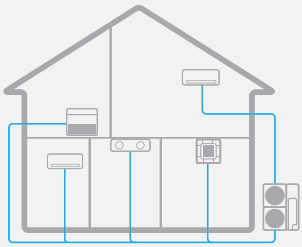
Room air conditioning is easily installed and connects one indoor unit to an outdoor unit. This is a simple solution for one room.





FJM Residential

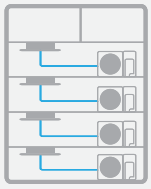
A single outdoor unit supporting up to five indoor units, the FJM system is ideal for residential spaces with multiple rooms to increase space efficiency.





SINGLE Light Commercial

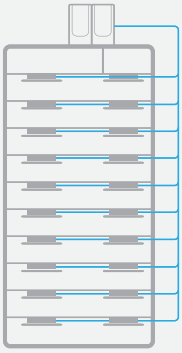
This one-to-one system that links outdoor and indoor units is the most suitable air solution for individual businesses to manage their own air-conditioning system in small and medium-sized commercial buildings.





VRF Large Scale Building

With its wide range of capacities and advanced technology, the DVM system is a perfect cooling and heating solution for any type of space from high-rise buildings to small commercial.





Room Air Conditioner



Free Joint Multi



Commercial Air Conditioner



DVM S



DVM S Water



DVM S Eco



Room Air Conditioning (RAC)

Designed for More Powerful Cooling

Samsung's unique triangular design efficiently circulates cool, clean air faster, farther and wider around your home.



Room Air Conditioning (RAC)

Line-Up

Model	Range	Capacity (Kbtu)				
		7	9	12	18	24
A3050	AR9600		●	●		
	AR9500		●	●		
	AR7600		●	●		
	AR7500	●	●	●	●	●
	AR5500	●	●	●	●	●
	AR5600	●	●	●	●	●
Boracay	Boracay	●	●	●	●	●
Maldives	Maldives	●	●	●	●	●

AR9600



AR5500



AR9500



AR5600



AR7600



AR4700 (Boracay)



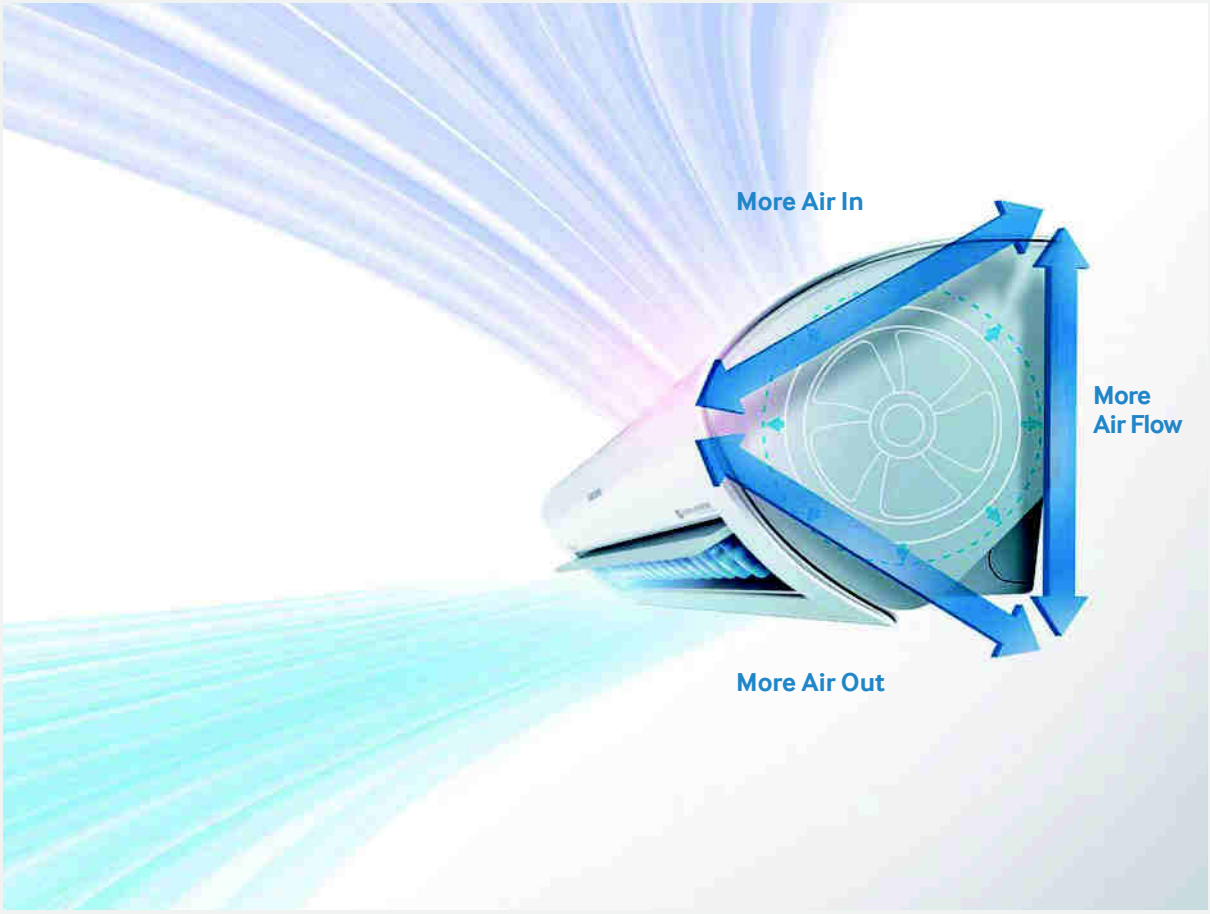
AR7500



AR4500 (Maldives)



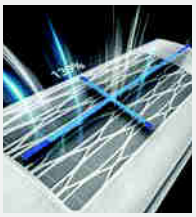
Cools Faster, Further and Wider



Triangle Design

The Samsung Air Conditioner has been designed from the ground up to be outstandingly efficient. Its uniquely triangular design has a wider inlet, so more air can be drawn in. The improved width and angle of its outlet, extra v-blades and a bigger fan also ensure that air is cooled and expelled faster, further and wider.* So refreshingly cool air reaches every corner of your room.

*Tested on AR09HSFSBWK model. Compared with Samsung conventional model AQV09TWS.


More air in


More air flow


More air out

Digital Inverter

The Samsung Air Conditioner features an energy-efficient Digital Inverter with SEER 10.1. It can maintain the desired temperature without frequently shutting off and on, so it consumes less energy.* The Digital Inverter helps you to stay comfortable for long periods of time, while using the minimum amount of energy.

* Compared to the Samsung AR09FSSKABENEU model with the same capacity, which is SEER 8.5.


Works smart, saves energy


Cools you fast then cools you comfortably


Save energy and stay cool when you're alone

Virus Doctor and Easy Filter

Virus Doctor and Easy Filter eliminates dust, dangerous airborne contaminants and allergens, as well as bacteria and viruses, including the Influenza A and Corona viruses* – firstly, using a filter and secondly, with Virus Doctor. So it keeps the air you breathe clean and healthy.

* Tested in Kitasato Environmental Science Center (Japan) & Yonsei Univ. (Korea) / Korea test lab(FITI/KEMTI) and Japan test lab(ITEA). Effective on 4 viruses, including Subtype H1N1, and certain bacteria. Data has been measured under specific testing conditions and may differ based on environmental factors.


Virus Doctor


Quick and easy to clean filter

Triple Protector Plus

The Samsung Air Conditioner keeps going in the most challenging environments. Its Triple Protector Plus technology prevents the compressor and controller from being overloaded by power surges and fluctuating electrical currents. It also has an anti-corrosive coating to stop the condenser from corrosion, and cabinet from rusting. And its larger condenser and optimised refrigerant flow mean it can endure extremely hot temperatures (up to 58°C).

*Tested on AR09HPSDDWK/SG. Compared with Samsung conventional model AR09HPSDFAP/RC.


Fin and chassis protector


Compressor protector


Controller protector

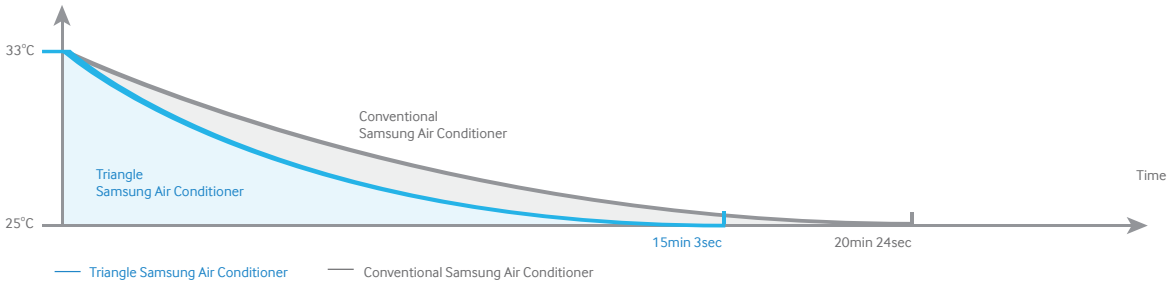
The Triangle. Ultimate Cooling Design – Cools Faster, Further and Wider

The Samsung Air Conditioner has been designed from the ground up to be outstandingly efficient. Its uniquely triangular design has a wider inlet, so more air can be drawn in. The improved width and angle of its outlet, extra v-blades and a bigger fan also ensure that air is cooled and expelled faster and further. So refreshingly cool air reaches every corner of your room without blind spots.



Faster

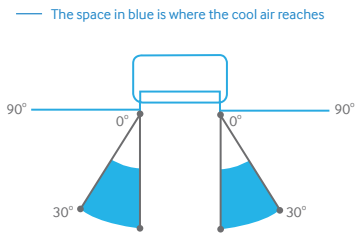
The new Samsung Air Conditioner has a 26% faster cooling speed compared to conventional models.



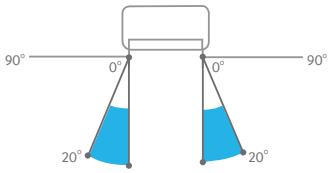
Wider

The improved width and angle of its outlet also ensure that air is expelled wider, minimising blind spots.

Triangle Design



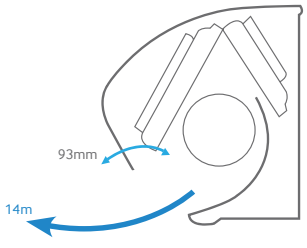
Conventional Design



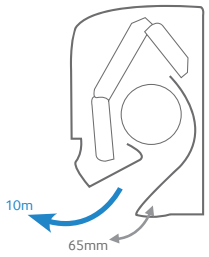
Further

The outlet angle is enhanced compared with conventional models, enabling a long air flow of 14 metres.

Triangle Design



Conventional Design



Eliminates Viruses with Virus Doctor* and Easy Filter

Virus Doctor and Easy Filter eliminates dust, dangerous airborne contaminants and allergens, as well as bacteria and viruses, including the Influenza A and Corona viruses* – firstly using a filter and secondly with Virus Doctor. So it keeps the air you breathe clean and healthy.

* Tested in Kitasato Environmental Science Center (Japan) & Yonsei Univ.(Korea) /Korea test lab(FITI/KEMTI) and Japan test lab(ITEA). Effective on 4 viruses, including Subtype H1N1, and certain bacteria. Data has been measured under specific testing conditions and may differ based on environmental factors.



Easy Filter

Filters dust, dangerous airborne contaminants and allergens.*

* Tested in Korea test lab(FITI/KEMTI) and Japan test lab(ITEA).

Virus Doctor

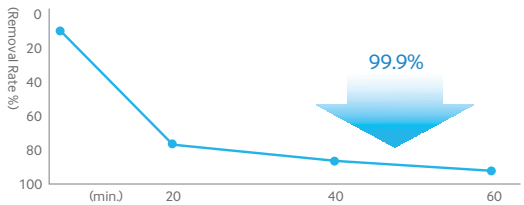
Virus Doctor technology eliminates up to 99% of bacteria and viruses.**

** Based on Kitasato Environmental Science Center (Japan) and Yonsei Univ. (Korea) test result. Effective on four viruses, including Subtype H1N1, and certain bacteria. Data has been measured under specific testing conditions and may differ based on environmental factors.

Virus Doctor – Eliminate the influenza virus

Viral removal testing was carried out on the influenza virus, the most common airborne virus, leading to confirmation of virus doctor's ability to effectively eliminate more than 99.9% of influenza viruses in the air. (Certification by: Korea-Yonsei University, Chungnam National University / Japan - Kitasato Environmental Science Center, Medical Center)

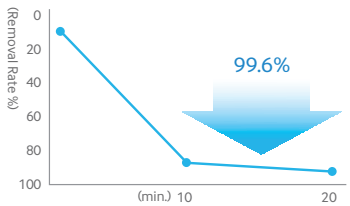
Influenza Subtype A H1N1
Eradication Experiment



* Research carried out by: Professor Seo Seng-hui of Chungnam National University (Developed the world's first H1N1 vaccine for the human body)

MRSA (antibiotic-resistant bacterium)

Virus Doctor removes 99.9% of MRSA, which is resistant to antibiotics.



* Testing Institute: Kitsato Environmental Science Centre
* Measurement time: 2 hours * Test sample Device only * Size of chamber: 1m²

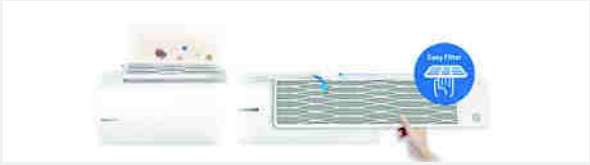
Microbial Test Results (Staphylococcus aureus)



Easy Filter – Quick and Easy to Clean

The Easy Filter is located outside, on the top, so it can easily be taken out and cleaned. Its anti-bacterial coating filters dust, dangerous airborne contaminants and allergens.* Unlike conventional filters that are often difficult to access, the Samsung Air Conditioner's Easy Filter is located outside, on the top. So it can easily be taken out, cleaned and put back – without having to open a cover or pull hard to get it out.

*Tested in Korea test lab(FITI/KEMTI) and Japan test lab(ITEA). Data has been measured under specific testing conditions and may differ based on environmental factors.



Smartly Convenient

With the Samsung Air Conditioner you can enjoy the confidence that it's properly installed and the convenience of remote control and trouble-shooting. Smart Installation checks for common problems to make sure it is properly installed. Using an App on your smartphone, Smart Wi-Fi lets you monitor and change energy settings from anywhere and Smart Check lets you diagnose errors and request a service immediately.

Smart Installation – Ensure proper installation

Smart Installation is a self-diagnosis feature that ensures your Samsung Air Conditioner is installed perfectly by your service engineer. It automatically checks for installation faults that can cause problems when using the air conditioner, including ineffective communication with the outdoor unit, any issues with the integrity of the air pipe and poor refrigerant flow.



Smart Wi-Fi – Control it anywhere

Using an App* on your smartphone the Smart Wi-Fi function lets you remotely control the functions of the Samsung Air Conditioner and schedule its operation. In any location with a wireless network, you can instantly turn it on and off and select the operating mode and temperature. Or you can schedule when to start and stop and control other functions.

* Available on iPhones and Android devices.



Smart Check – Easy troubleshooting

The Samsung Air Conditioner includes Smart Check, an automatic error-monitoring system. It detects and diagnoses problems at an early stage and provides quick and easy troubleshooting solutions using a smartphone App*. So it saves you time having to find the manual and avoids the cost and inconvenience of unnecessary engineer callouts** – and potentially expensive repair bills.



* Available on iPhones and Android devices.

** This function operates for certain error mode only and is not substitute for periodic service checkup.

Error Mode

Error Code	Cause
E101 /E102	Communication Error (Indoor ⟷ Outdoor)
E121	Indoor Temperature Sensor Error
E122	Indoor Heat Exchanger Temperature Sensor Error
E154	Indoor Fan Motor Speed Detecting Error
E162	EEPROM Error
E163	EEPROM Option Setting Error
From E200	Outdoor Error Display

RAC Range AR9600, AR9500

SPECIFICATIONS
AR09/12JSPFAWKN/EU, AR09/12JSPFBWKN/EU

Range			AR9600		AR9500	
Model Code			AR09JSPFAWKN/EU	AR12JSPFAWKN/EU	AR09JSPFBWKN/EU	AR12JSPFBWKN/EU
Performance	Capacity (Btu/hr)	Cooling	8,530	11,942	8,530	11,942
		Heating	10,918	13,648	10,918	13,648
		Cooling (Min - Max)	3,310 ~ 11,260	3,310 ~ 13,648	3,310 ~ 11,260	3,310 ~ 13,648
		Heating (Min - Max)	2,900 ~ 20,472	2900 ~ 22519	3,310 ~ 18,425	3,310 ~ 19,790
	Capacity (kW)	Cooling	2.50	3.50	2.50	3.50
		Heating	3.20	4.00	3.20	4.00
		Cooling (Min - Max)	0.97 ~ 3.3	0.97 ~ 4.0	0.97 ~ 3.3	0.97 ~ 4.0
		Heating (Min - Max)	0.85 ~ 6.0	0.85 ~ 6.6	0.97 ~ 5.40	0.97 ~ 5.8
	Capacity (Kcal/hr)	Cooling	2,150.0	3,009.0	2,150.0	3,009.0
		Heating	2,752.0	3,439.0	2,752.0	3,439.0
		Cooling (Min - Max)	834 ~ 2,838	834 ~ 3,440	834 ~ 2,838	834 ~ 3,440
		Heating (Min - Max)	731 ~ 5,160	731 ~ 5,676	834 ~ 4,644	834 ~ 4,988
	EER / COP	EER (Cooling, Btu/W)	15.51	12.70	14.46	12.31
		EER (Cooling, W/W)	4.55	3.72	4.24	3.61
		COP (Heating, W/W)	4.16	3.81	4.10	3.81
	SEER/SCOP	SEER (Cooling, W/W)	8.5	7.1	7.1	6.7
		Grade (for cooling)	A+++	A++	A++	A++
		kWh/annum (for cooling)	103.0	173.0	123.0	183.0
		SCOP (Heating, W/W)	4.6	4.6	4.6	4.6
		Grade (for 'average' heating)	A++	A++	A++	A++
		kWh/annum (for heating)	730.0	883.0	730.0	883.0
	Moisture Removal (ℓ/hr)		0.9	1.2	0.9	1.2
	Noise Level Power	Indoor High	56	58	57	59
		Outdoor High	59	62	59	62
	Noise Level Pressure	Indoor High / Low	38 / 16	39 / 16	38 / 16	40 / 16
		Outdoor High	45	46	45	46
Electrical Data	Energy Efficiency	Operating Current (Cooling)	2.7	4.4	3.2	4.8
		Operating Current (Heating)	3.6	4.9	3.8	5
		Power Consumption (Cooling)	550	940	590	970
		Power Consumption (Heating)	770	1,050	780	1,050
	Power Source	V/Hz/Φ	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz
Physical Specification	Dimension	Net Dimension (WxHxD, Indoor)	936*267*264	936*267*264	936*267*264	936*267*264
		Net Dimension (WxHxD, Outdoor)	790*545*285	790*545*285	790*545*285	790*545*285
		Gross Dimension (WxHxD, Indoor)	1020*326*345	1020*326*345	1020*326*345	1020*326*345
		Gross Dimension (WxHxD, Outdoor)	926*640*384	926*640*384	926*640*384	926*640*384
	Weight	Net Weight (Indoor)	12.5	12.5	12.0	12.0
		Net Weight (Outdoor)	35.0	35.0	34.5	34.5
		Gross Weight (Indoor)	15.0	15.0	14.5	14.5
		Gross Weight (Outdoor)	38.0	38.0	37.5	37.5
Loading Q'ty	W/O Pipe	Set (20 / 40ft / 40ft HC)	78/165/192	78/165/192	78/165/192	78/165/192
	W/O Pipe	IDU (20 / 40ft / 40ft HC)	238/476/544	238/476/544	238/476/544	238/476/544
	W/O Pipe	ODU (20 / 40ft / 40ft HC)	102/219/292	102/219/292	102/219/292	102/219/292
Technical Information	Piping Length	Piping Length (standard)	5.0	5.0	5.0	5.0
		Piping Length (Max)	15.0	15.0	15.0	15.0
	Piping Height	Piping Height (Max)	8.0	8.0	8.0	8.0
	Refrigerant	Type	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410 A (Fluorinated greenhouse gas, GWP>150)
		Charging	1,100	1,100	1,100	1,100
		Additional if Chargeless (after 5m)	15	15	15	15
	SVC Valve	Gas (ODxL)	6.35*5	6.35*5	6.35*5	6.35*5
		Liquid (ODxL)	9.52*5	9.52*5	9.52*5	9.52*5
General Feature	Air Flow	Triangle Technology	•	•	•	•
		Long Air Flow (14m)	•	•	•	•
		Air Direction Control (Up / Down)	Auto	Auto	Auto	Auto
		Air Direction Control (Left / Right)	Auto	Auto	Auto	Auto
		Air Flow Control Step (Cool / Fan)	5 / 4	5 / 4	5 / 4	5 / 4
	Air Purification	Virus Doctor	•	•	•	•
		Virus Doctor Lamp	•	•	•	•
		Neo Triple Filter (Easy Filter Plus)	-	-	-	-
		Easy Filter	•	•	•	•
		3-Care Filter	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)
		Allergy Care	•	•	•	•
		Anti-Bacteria Coating	•	•	•	•
		Anti-Virus Coating	•	•	•	•
		Auto-Clean (Self-Cleaning)	•	•	•	•
	Convenience	Smart Home	•	•	•	•
		Filter Cleaning Indicator	•	•	•	•
		Indoor Temp. Display	88 Segment	88 Segment	88 Segment	88 Segment
		Display On / Off	•	•	•	•
		Display of Energy Consumption (usage)	•	•	•	•
		Beep On / Off	•	•	•	•
		24-Hour Timer / Real Timer	Real-time Timer	Real-time Timer	Real-time Timer	Real-time Timer
		Auto Changeover	•	•	•	•
		Auto Restart	•	•	•	•
	Operating Mode	2-Step Cooling	•	•	•	•
		Fast Cool	•	•	•	•
		Comfort Cool	•	•	•	•
		Good Sleep	•	•	•	•
		Single User Mode (Inv)	•	•	•	•
		Dehumidification	•	•	•	•
		Auto Mode	•	•	•	•
		Fan Mode	•	•	•	•
		Quiet Mode	•	•	•	•
		Auto Restart	•	•	•	•
		Smart Install	•	•	•	•
	Outdoor Unit and PBA	Compressor Type	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
		Anti-Corrosion Fin	•	•	•	•
		Compressor Protector	•	•	•	•
		PBA Protector	•	•	•	•
		Multi-Channel Condensor	-	-	-	-
	Low Ambient	Cooling	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46
		Heating	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24

RAC Range AR7600

SPECIFICATIONS
AR09/12HSSDAWKN/EU

Range			AR7600	
Model Code			AR09HSSDAWKNEU	AR12HSSDAWKNEU
Performance	Capacity (Btu/hr)	Cooling	8,530	11,942
		Heating	10,918	13,648
		Cooling (Min - Max)	3,378 ~ 11,260	3,378 ~ 13,648
		Heating (Min - Max)	2,900 ~ 20,472	2,900 ~ 22,519
	Capacity (kW)	Cooling	2.50	3.50
		Heating	3.20	4.00
		Cooling (Min - Max)	0.99 ~ 3.3	0.99 ~ 4.0
		Heating (Min - Max)	0.85 ~ 6.0	0.85 ~ 6.6
	Capacity (Kcal/hr)	Cooling	2150.0	3009.0
		Heating	2752.0	3439.0
		Cooling (Min - Max)	851 ~ 2838	851 ~ 3440
		Heating (Min - Max)	731 ~ 5160	731 ~ 5676
	EER / COP	EER (Cooling, Btu/W)	16.4	14.1
		EER (Cooling, W/W)	4.81	4.12
		COP (Heating, W/W)	4.78	4.21
	SEER/SCOP	SEER (Cooling, W/W)	10.1	9.2
		Grade (for cooling)	A+++	A+++
		kWh/annum (for cooling)	87.0	133.0
		SCOP (Heating, W/W)	5.1	4.8
		Grade (for 'average' heating)	A+++	A++
		kWh/annum (for heating)	604.0	875.0
	Moisture Removal (l/hr)		0.9	1.2
	Noise Level Power	Indoor High	56	58
		Outdoor High	59	62
	Noise Level Pressure	Indoor High / Low	38 / 16	40 / 16
		Outdoor High	45	46
Electrical Data	Energy Efficiency	Operating Current (Cooling)	2.6	4
		Operating Current (Heating)	3.3	4.4
		Power Consumption (Cooling)	520	850
		Power Consumption (Heating)	670	950
	Power Source	V/Hz/Φ	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz
Physical Specification	Dimension	Net Dimension (WxHxD, Indoor)	896*261*261	896*261*261
		Net Dimension (WxHxD, Outdoor)	790*545*285	790*545*285
		Gross Dimension (WxHxD, Indoor)	956*317*335	956*317*335
		Gross Dimension (WxHxD, Outdoor)	926*640*384	926*640*384
	Weight	Net Weight (Indoor)	11.5	11.5
		Net Weight (Outdoor)	35.0	35.0
		Gross Weight (Indoor)	14.0	14.0
		Gross Weight (Outdoor)	38.0	38.0
Loading Q'ty	W/O Pipe	Set (20 / 40ft / 40ft HC)	85/177/200	85/177/200
	W/O Pipe	IDU (20 / 40ft / 40ft HC)	287/588/672	287/588/672
	W/O Pipe	ODU (20 / 40ft / 40ft HC)	102/219/292	102/219/292
Technical Information	Piping Length	Piping Length (standard)	5.0	5.0
		Piping Length (Max)	15.0	15.0
	Piping Height	Piping Height (Max)	8.0	8.0
	Refrigerant	Type	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
		Charging	1100	1100
		Additional if Chargeless (after 5m)	15	15
	SVC Valve	Gas (ODxL)	6.35*5	6.35*5
		Liquid (ODxL)	9.52*5	9.52*5
General Feature	Air Flow	Triangle Technology	•	•
		Long Air Flow (14m)	•	•
		Air Direction Control (Up / Down)	Auto	Auto
		Air Direction Control (Left / Right)	Auto	Auto
		Air Flow Control Step (Cool / Fan)	5 / 4	5 / 4
	Air Purification	Virus Doctor	•	•
		Virus Doctor Lamp	•	•
		Neo Triple Filter (Easy Filter Plus)	•	•
		Easy Filter	-	-
		3-Care Filter	3 Care Filter (HD 60)	3 Care Filter (HD 60)
		Allergy Care	•	•
		Anti-Bacteria Coating	•	•
		Anti-Virus Coating	•	•
		Auto-Clean (Self-Cleaning)	•	•
	Convenience	Smart Home	-	-
		Filter Cleaning Indicator	•	•
		Indoor Temp. Display	88 Segment	88 Segment
		Display On / Off	•	•
		Display of Energy Consumption (usage)	•	•
		Beep On / Off	•	•
		24-Hour Timer / Real Timer	Real-time Timer	Real-time Timer
		Auto Changeover	•	•
		Auto Restart	•	•
	Operating Mode	2-Step Cooling	•	•
		Fast Cool	•	•
		Comfort Cool	•	•
		Good Sleep	•	•
		Single User Mode (Inv)	•	•
		Dehumidification	•	•
		Auto Mode	•	•
		Fan Mode	•	•
		Quiet Mode	•	•
		Auto Restart	•	•
		Smart Install	•	•
	Outdoor Unit and PBA	Compressor Type	Twin BLDC	Twin BLDC
		Anti-Corrosion Fin	•	•
		Compressor Protector	•	•
		PBA Protector	•	•
		Multi-Channel Condensor	-	-
	Low Ambient	Cooling	-10 ~ 46	-10 ~ 46
		Heating	-15 ~ 24	-15 ~ 24

RAC Range AR7500

SPECIFICATIONS

AR07/09/12/18/24KSPDBWKN/EU

Range			AR7500				
Model Code			AR07KSPDBWKN/EU	AR09KSPDBWKN/EU	AR12KSPDBWKN/EU	AR18KSPDBWKN/EU	AR24KSPDBWKN/EU
Performance	Capacity (Btu/hr)	Cooling	6,824	8,530	11,942	17,060	23,202
		Heating	7,506	10,918	13,648	20,472	27,296
		Cooling (Min - Max)	-	3,310 ~ 11,260	3,310 ~ 13,648	5,459 ~ 23,884	7,506 ~ 27,296
		Heating (Min - Max)	-	3,310 ~ 18,425	3,310 ~ 19,790	4,094 ~ 27,296	6,483 ~ 34,120
	Capacity (kW)	Cooling	2.00	2.50	3.50	5.00	6.80
		Heating	2.20	3.20	4.00	6.00	8.00
		Cooling (Min - Max)	-	0.97 ~ 3.30	0.97 ~ 4.00	1.6 ~ 7.0	2.2 ~ 8.0
		Heating (Min - Max)	-	0.97 ~ 5.40	0.97 ~ 5.80	1.2 ~ 8.0	1.9 ~ 10
	Capacity (Kcal/hr)	Cooling	-	2,150.0	3,010.0	4,300.0	5,848.0
		Heating	-	2,752.0	3,440.0	5,160.0	6,880.0
		Cooling (Min - Max)	-	834 ~ 2,838	834 ~ 3,440	1,376 ~ 6,020	1,892 ~ 6,880
		Heating (Min - Max)	-	834 ~ 4,644	834 ~ 4,988	1,032 ~ 6,880	1,634 ~ 8,600
	EER / COP	EER (Cooling, Btu/W)	-	14.5	12.3	13.3	11.3
		EER (Cooling, W/W)	-	4.24	3.61	3.90	3.30
		COP (Heating, W/W)	-	4.10	3.81	4.11	3.51
	SEER/SCOP	SEER (Cooling, W/W)	-	7.1	6.7	7.0	7.0
		Grade (for cooling)	-	A++	A++	A++	A++
		kWh/annum (for cooling)	-	123.0	183.0	250.0	340.0
		SCOP (Heating, W/W)	-	4.6	4.6	4.0	4.0
		Grade (for 'average' heating)	-	A++	A++	A+	A+
		kWh/annum (for heating)	-	730.0	883.0	1,575.0	1,575.0
	Moisture Removal (l/hr)		-	0.9	1.2	1.8	2.4
	Noise Level Power	Indoor High	56	56	58	58	62
		Outdoor High	-	59	62	65	67
	Noise Level Pressure	Indoor High / Low	35 / 16	38 / 16	40 / 16	42 / 25	43 / 26
		Outdoor High	-	45	46	51	52
Electrical Data	Energy Efficiency	Operating Current (Cooling)	0.3	3.2	4.8	6.0	9.0
		Operating Current (Heating)	0.3	3.8	5.0	6.8	10.8
		Power Consumption (Cooling)	30.0	590	970	1,280	2,060
		Power Consumption (Heating)	30.0	780	1,050	1,460	2,280
	Power Source	V/Hz/Φ	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz
Physical Specification	Dimension	Net Dimension (WxHxD, Indoor)	826*261*261	826*261*261	826*261*261	1065*301*294	1065*301*294
		Net Dimension (WxHxD, Outdoor)	-	790*545*285	790*545*285	880*793*310	880*793*310
		Gross Dimension (WxHxD, Indoor)	-	886*335*317	886*335*317	1123*354*384	1123*354*384
		Gross Dimension (WxHxD, Outdoor)	-	926*384*640	926*384*640	1023*911*413	1023*911*413
	Weight	Net Weight (Indoor)	10.2	10.2	10.2	15.5	15.5
		Net Weight (Outdoor)	-	34.5	34.5	52.5	52.5
		Gross Weight (Indoor)	-	12.5	12.5	18.5	18.5
		Gross Weight (Outdoor)	-	37.5	37.5	56.5	56.5
Loading Q'ty	W/O Pipe	Set (20 / 40ft / 40ft HC)	-	87/180/205	87/180/205	51/104/123	51/104/123
	W/O Pipe	IDU (20 / 40ft / 40ft HC)	-	294/616/704	294/616/704	180/372/434	180/372/434
	W/O Pipe	ODU (20 / 40ft / 40ft HC)	-	102/219/292	102/219/292	60/124/124	60/124/124
Technical Information	Piping Length	Piping Length (standard)	-	5.0	5.0	5.0	5.0
		Piping Length (Max)	-	15.0	15.0	30.0	30.0
	Piping Height	Piping Height (Max)	-	8.0	8.0	15.0	15.0
	Refrigerant	Type	-	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
		Charging	-	1,100.0	1,100.0	1,500.0	1,500.0
		Additional if Chargeless (after 5m)	-	15.0	15.0	15.0	15.0
	SVC Valve	Gas (ODxL)	9.52*5	6.35*5	6.35*5	6.35*5	6.35*5
		Liquid (ODxL)	6.35*5	9.52*5	9.52*5	12.7*5	15.88*5
General Feature	Air Flow	Triangle Technology	-	•	•	•	•
		Long Air Flow (14m)	-	•	•	•	•
		Air Direction Control (Up / Down)	Auto	Auto	Auto	Auto	Auto
		Air Direction Control (Left / Right)	Auto	Auto	Auto	Auto	Auto
		Air Flow Control Step (Cool / Fan)	5 / 4	5 / 4	5 / 4	5 / 4	5 / 4
	Air Purification	Virus Doctor	•	•	•	•	•
		Virus Doctor Lamp	-	•	•	•	•
		Neo Triple Filter (Easy Filter Plus)	•	•	•	•	•
		Easy Filter	•	-	-	-	-
		3-Care Filter	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)
		Allergy Care	•	•	•	•	•
		Anti-Bacteria Coating	•	•	•	•	•
		Anti-Virus Coating	•	•	•	•	•
		Auto-Clean (Self-Cleaning)	•	•	•	•	•
	Convenience	Smart Home	•	•	•	•	•
		Filter Cleaning Indicator	•	•	•	•	•
		Indoor Temp. Display	-	88 Segment	88 Segment	88 Segment	88 Segment
		Display On / Off	•	•	•	•	•
		Display of Energy Consumption (usage)	-	•	•	•	•
		Beep On / Off	•	•	•	•	•
		24-Hour Timer / Real Timer	24-Hour	24-Hour	24-Hour	24-Hour	24-Hour
		Auto Changeover	-	•	•	•	•
		Auto Restart	•	•	•	•	•
	Operating Mode	2-Step Cooling	•	•	•	•	•
		Fast Cool	•	•	•	•	•
		Comfort Cool	•	•	•	•	•
		Good Sleep	•	•	•	•	•
		Single User Mode (Inv)	-	•	•	•	•
		Dehumidification	•	•	•	•	•
		Auto Mode	-	•	•	•	•
		Fan Mode	•	•	•	•	•
		Quiet Mode	•	•	•	•	•
		Auto Restart	-	•	•	•	•
		Smart Install	-	•	•	•	•
	Outdoor Unit and PBA	Compressor Type	-	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
		Anti-Corrosion Fin	-	•	•	•	•
		Compressor Protector	-	•	•	•	•
		PBA Protector	-	•	•	•	•
		Multi-Channel Condensor	-	-	-	•	•
	Low Ambient	Cooling	-	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46
		Heating	-	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24

RAC Range AR5500

SPECIFICATIONS
AR07KSWSAWKN/EU, AR09/12KSWSBWKN/ET, AR18/24KSWSAWKN/EU

Range			AR5500				
Model Code			AR07KSWSAWKNEU	AR09KSWSBWKNET	AR12KSWSBWKNET	AR18KSWSAWKNEU	AR24KSWSAWKNEU
Performance	Capacity (Btu/hr)	Cooling	6,824	8,530	11,942	17,060	23,200
		Heating	7,506	10,920	12,970	20,470	26,610
		Cooling (Min - Max)	-	4,436 ~ 11,260	4,440 ~ 13,650	5,459 ~ 20,472	6,140 ~ 27,300
		Heating (Min - Max)	-	3,750 ~ 14,160	3,750 ~ 15,870	4,094 ~ 27,978	4,440 ~ 27,980
	Capacity (kW)	Cooling	2.00	2.50	3.50	5.00	6.80
		Heating	2.20	3.20	3.80	6.00	7.80
		Cooling (Min - Max)	-	1.30 ~ 3.30	1.30 ~ 4.0	1.60 ~ 6.00	1.8 ~ 8.0
		Heating (Min - Max)	-	1.10 ~ 4.15	1.1 ~ 4.65	1.20 ~ 8.20	1.3 ~ 8.2
	Capacity (Kcal/hr)	Cooling	1,720.0	2,150.0	3,010.0	4,300.0	5,848.0
		Heating	1,892.0	2,752.0	3,268.0	5,160.0	6,708.0
		Cooling (Min - Max)	-	1,118 ~ 2,838	1,118 ~ 3,440	1,376 ~ 5,160	1,548 ~ 6,880
		Heating (Min - Max)	-	946 ~ 3,569	946 ~ 3,999	1,032 ~ 6,880	1,118 ~ 7,052
	EER / COP	EER (Cooling, Btu/W)	-	12.7	11.3	11.8	10.3
		EER (Cooling, W/W)	-	3.73	3.30	3.50	3.01
		COP (Heating, W/W)	-	3.72	3.73	3.61	3.12
	SEER/SCOP	SEER (Cooling, W/W)	-	6.1	6.1	6.7	6.1
		Grade (for cooling)	-	A++	A++	A++	A++
		kWh/annum (for cooling)	-	143.0	201.0	261.0	390.0
		SCOP (Heating, W/W)	-	4.0	4.0	3.8	3.8
		Grade (for 'average' heating)	-	A+	A+	A	A
		kWh/annum (for heating)	-	823.0	823.0	1,437.0	1,658.0
	Moisture Removal (l/hr)		-	0.9	1.2	1.8	2.4
	Noise Level Power	Indoor High	56	54	56	58	62
		Outdoor High	-	59	62	65	67
	Noise Level Pressure	Indoor High / Low	33 / 19	37 / 19	38 / 19	41 / 25	43 / 26
		Outdoor High	-	45	46	51	52
Electrical Data	Energy Efficiency	Operating Current (Cooling)	0.3	3.6	5.0	6.8	10.0
		Operating Current (Heating)	0.3	4.4	5.0	7.8	11.0
		Power Consumption (Cooling)	30	670	1,060	1,450	2,250
		Power Consumption (Heating)	30	860	1,020	1,660	2,500
	Power Source	V/Hz/Φ	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz
Physical Specification	Dimension	Net Dimension (WxHxD, Indoor)	826*261*261	826*261*261	826*261*261	1065*301*294	1065*301*294
		Net Dimension (WxHxD, Outdoor)	-	720*548*265	720*548*265	880*638*310	880*793*310
		Gross Dimension (WxHxD, Indoor)	886*317*335	886*317*335	886*317*335	1123*354*384	1123*354*384
		Gross Dimension (WxHxD, Outdoor)	-	844*622*353	844*622*353	1023*911*413	1023*911*413
	Weight	Net Weight (Indoor)	9.5	9.5	9.5	13.0	13.5
		Net Weight (Outdoor)	-	28.5	28.5	43.5	52.5
		Gross Weight (Indoor)	11.3	11.3	11.3	16.0	16.5
		Gross Weight (Outdoor)	-	32.0	32.0	46.5	56.5
Loading Q'ty	W/O Pipe	Set (20 / 40ft / 40ft HC)		96/203/233	96/203/233	58/124/143	51/104/123
	W/O Pipe	IDU (20 / 40ft / 40ft HC)	294/616/704	294/616/704	294/616/704	180/372/434	180/372/434
	W/O Pipe	ODU (20 / 40ft / 40ft HC)	-	123/261/348	123/261/348	90/186/186	60/124/124
Technical Information	Piping Length	Piping Length (standard)	5.0	5.0	5.0	5.0	5.0
		Piping Length (Max)	-	15.0	15.0	30.0	30.0
	Piping Height	Piping Height (Max)	-	8.0	8.0	15.0	15.0
	Refrigerant	Type	-	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
		Charging	-	950	950	1,150	1,450
		Additional if Chargeless (after 5m)	-	15	15	15	15
	SVC Valve	Gas (ODxL)	6.35*5	6.35*5	6.35*5	6.35*5	6.35*5
		Liquid (ODxL)	9.52*5	9.52*5	9.52*5	12.7*5	15.88*5
General Feature	Air Flow	Triangle Technology	•	•	•	•	•
		Long Air Flow (14m)	•	•	•	•	•
		Air Direction Control (Up / Down)	Auto	Auto	Auto	Auto	Auto
		Air Direction Control (Left / Right)	Manual	Manual	Manual	Manual	Manual
		Air Flow Control Step (Cool / Fan)	5 / 4	5 / 4	5 / 4	5 / 4	5 / 4
	Air Purification	Virus Doctor	-	-	-	-	-
		Virus Doctor Lamp	-	-	-	-	-
		Neo Triple Filter (Easy Filter Plus)	•	•	•	•	•
		Easy Filter	-	-	-	-	-
		3-Care Filter	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)
		Allergy Care	•	•	•	•	•
		Anti-Bacteria Coating	•	•	•	•	•
		Anti-Virus Coating	•	•	•	•	•
		Auto-Clean (Self-Cleaning)	•	•	•	•	•
	Convenience	Smart Home	•	•	•	•	•
		Filter Cleaning Indicator	•	•	•	•	•
		Indoor Temp. Display	88 Segment	88 Segment	88 Segment	88 Segment	88 Segment
		Display On / Off	•	•	•	•	•
		Display of Energy Consumption (usage)	•	•	•	•	•
		Beep On / Off	•	•	•	•	•
		24-Hour Timer / Real Timer	24-Hour	24-Hour	24-Hour	24-Hour	24-Hour
		Auto Changeover	-	•	•	•	•
		Auto Restart	-	•	•	•	•
	Operating Mode	2-Step Cooling	•	•	•	•	•
		Fast Cool	•	•	•	•	•
		Comfort Cool	•	•	•	•	•
		Good Sleep	•	•	•	•	•
		Single User Mode (Inv)	-	•	•	•	•
		Dehumidification	•	•	•	•	•
		Auto Mode	•	•	•	•	•
		Fan Mode	•	•	•	•	•
		Quiet Mode	•	•	•	•	•
		Auto Restart	•	•	•	•	•
		Smart Install	-	•	•	•	•
	Outdoor Unit and PBA	Compressor Type	-	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY
		Anti-Corrosion Fin	-	•	•	•	•
		Compressor Protector	-	•	•	•	•
		PBA Protector	-	•	•	•	•
		Multi-Channel Condensor	-	-	-	•	•
	Low Ambient	Cooling	-	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46
		Heating	-	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24

RAC Range AR5600

SPECIFICATIONS

AR07KSWNAWKN/EU, AR09/12/KSWNAWKN/ET, AR18/24KSWNAWKN/EU

Range			AR5600				
Model Code			AR07KSWNAWKNEU	AR09KSWNAWKNET	AR12KSWNAWKNET	AR18KSWNAWKNEU	AR24KSWNAWKNEU
Performance	Capacity (Btu/hr)	Cooling	6,824	8,530	11,942	17,060	23,200
		Heating	7,506	10,918	12,966	20,470	26,610
		Cooling (Min - Max)	-	4,436 ~ 11,260	4,436 ~ 13,648	5,459 ~ 20,472	6,140 ~ 27,300
		Heating (Min - Max)	-	3,241 ~ 16,036	3,241 ~ 17,401	4,094 ~ 27,978	4,440 ~ 27,980
	Capacity (kW)	Cooling	2.00	2.50	3.50	5.00	6.80
		Heating	2.20	3.20	3.80	6.00	7.80
		Cooling (Min - Max)	-	1.30 ~ 3.30	1.30 ~ 4.0	1.60 ~ 6.00	1.8 ~ 8.0
		Heating (Min - Max)	-	0.95 ~ 4.70	0.95 ~ 5.1	1.20 ~ 8.20	1.3 ~ 8.2
	Capacity (Kcal/hr)	Cooling	1,720.0	2,150.0	3,010.0	4,300.0	5,848.0
		Heating	1,892.0	2,752.0	3,268.0	5,160.0	6,708.0
		Cooling (Min - Max)	-	1,118 ~ 2,838	1,118 ~ 3,440	1,376 ~ 5,160	1,548 ~ 6,880
		Heating (Min - Max)	-	817 ~ 4,042	817 ~ 4,386	1,032 ~ 6,880	1,118 ~ 7,052
	EER / COP	EER (Cooling, Btu/W)	-	12.7	11.3	11.8	10.3
		EER (Cooling, W/W)	-	3.73	3.30	3.50	3.01
		COP (Heating, W/W)	-	3.72	3.73	3.61	3.12
	SEER/SCOP	SEER (Cooling, W/W)	-	6.1	6.1	6.7	6.1
		Grade (for cooling)	-	A++	A++	A++	A++
		kWh/annum (for cooling)	-	143.0	143.0	261.0	390.0
		SCOP (Heating, W/W)	-	4.0	4.0	3.8	3.8
		Grade (for 'average' heating)	-	A+	A+	A	A
		kWh/annum (for heating)	-	840.0	840.0	1,437.0	1,658.0
	Moisture Removal (l/hr)		-	0.9	1.2	1.8	2.4
	Noise Level Power	Indoor High	56	54	56	58	62
		Outdoor High	-	59	62	65	67
	Noise Level Pressure	Indoor High / Low	33 / 19	37 / 19	38 / 19	41 / 25	43 / 26
		Outdoor High	-	45	46	51	52
Electrical Data	Energy Efficiency	Operating Current (Cooling)	0.3	3.6	5.0	6.8	10.0
		Operating Current (Heating)	0.3	4.4	5.0	7.8	11.0
		Power Consumption (Cooling)	30	670	1,060	1,450	2,250
		Power Consumption (Heating)	30	860	1,020	1,660	2,500
	Power Source	V/Hz/Φ	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz
Physical Specification	Dimension	Net Dimension (WxHxD, Indoor)	826*261*261	826*261*261	826*261*261	1065*301*294	1065*301*294
		Net Dimension (WxHxD, Outdoor)	-	720*548*265	720*548*265	880*638*310	880*793*310
		Gross Dimension (WxHxD, Indoor)	886*317*335	886*317*335	886*317*335	1123*354*384	1123*354*384
		Gross Dimension (WxHxD, Outdoor)	-	844*622*353	844*622*353	1023*911*413	1023*911*413
	Weight	Net Weight (Indoor)	9.5	9.5	9.5	13.0	13.5
		Net Weight (Outdoor)	-	28.5	28.5	43.5	52.5
		Gross Weight (Indoor)	11.3	11.3	11.3	16.0	16.5
		Gross Weight (Outdoor)	-	32.0	32.0	46.5	56.5
Loading Q'ty	W/O Pipe	Set (20 / 40ft / 40ft HC)		96/203/233	96/203/233	58/124/143	51/104/123
	W/O Pipe	IDU (20 / 40ft / 40ft HC)	294/616/704	294/616/704	294/616/704	180/372/434	180/372/434
	W/O Pipe	ODU (20 / 40ft / 40ft HC)	-	123/261/348	123/261/348	90/186/186	60/124/124
Technical Information	Piping Length	Piping Length (standard)	5.0	5.0	5.0	5.0	5.0
		Piping Length (Max)	-	15.0	15.0	30.0	30.0
	Piping Height	Piping Height (Max)	-	8.0	8.0	15.0	15.0
	Refrigerant	Type	-	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
		Charging	-	950	950	1,150	1,450
		Additional if Chargeless (after 5m)	-	15	15	15	15
	SVC Valve	Gas (ODxL)	6.35*5	6.35*5	6.35*5	6.35*5	6.35*5
		Liquid (ODxL)	9.52*5	9.52*5	9.52*5	12.7*5	15.88*5
General Feature	Air Flow	Triangle Technology	•	•	•	•	•
		Long Air Flow (14m)	•	•	•	•	•
		Air Direction Control (Up / Down)	Auto	Auto	Auto	Auto	Auto
		Air Direction Control (Left / Right)	Manual	Manual	Manual	Manual	Manual
		Air Flow Control Step (Cool / Fan)	5 / 4	5 / 4	5 / 4	5 / 4	5 / 4
	Air Purification	Virus Doctor	-	-	-	-	-
		Virus Doctor Lamp	-	-	-	-	-
		Neo Triple Filter (Easy Filter Plus)	•	•	•	•	•
		Easy Filter	-	-	-	-	-
		3-Care Filter	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)
		Allergy Care	•	•	•	•	•
		Anti-Bacteria Coating	•	•	•	•	•
		Anti-Virus Coating	•	•	•	•	•
		Auto-Clean (Self-Cleaning)	•	•	•	•	•
	Convenience	Smart Home	•	•	•	•	•
		Filter Cleaning Indicator	•	•	•	•	•
		Indoor Temp. Display	88 Segment	88 Segment	88 Segment	88 Segment	88 Segment
		Display On / Off	•	•	•	•	•
		Display of Energy Consumption (usage)	•	•	•	•	•
		Beep On / Off	•	•	•	•	•
		24-Hour Timer / Real Timer	24-Hour	24-Hour	24-Hour	24-Hour	24-Hour
		Auto Changeover	-	•	•	•	•
		Auto Restart	-	•	•	•	•
	Operating Mode	2-Step Cooling	•	•	•	•	•
		Fast Cool	•	•	•	•	•
		Comfort Cool	•	•	•	•	•
		Good Sleep	•	•	•	•	•
		Single User Mode (Inv)	-	•	•	•	•
		Dehumidification	•	•	•	•	•
		Auto Mode	•	•	•	•	•
		Fan Mode	•	•	•	•	•
		Quiet Mode	•	•	•	•	•
		Auto Restart	•	•	•	•	•
		Smart Install	-	•	•	•	•
	Outdoor Unit and PBA	Compressor Type	-	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY
		Anti-Corrosion Fin	-	•	•	•	•
		Compressor Protector	-	•	•	•	•
		PBA Protector	-	•	•	•	•
		Multi-Channel Condensor	-	-	-	•	•
	Low Ambient	Cooling	-	-10 ~ 46	-10 ~ 46	-10 ~ 46	-10 ~ 46
		Heating	-	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24

RAC Range Boracay (AR4700)

SPECIFICATIONS
AR07KSFHBWKN/EU, AR09/12KSFHBWKN/ET, AR18/24KSFHBWKN/EU

Range			AR4700				
Model Code			AR07KSFHBWKN/EU	AR09KSFHBWKN/ET	AR12KSFHBWKN/ET	AR18KSFHBWKN/EU	AR24KSFHBWKN/EU
Performance	Capacity (Btu/hr)	Cooling	6,824	8,530	11,940	17,060	23,200
		Heating	7,506	10,920	11,940	20,470	26,270
		Cooling (Min - Max)	-	3,753 ~ 11,260	3,753 ~ 13,648	5,459 ~ 20,472	6,142 ~ 27,296
		Heating (Min - Max)	-	3,583 ~ 15,013	3,583 ~ 16,378	4,049 ~ 22,178	4,436 ~ 27,978
	Capacity (kW)	Cooling	2.00	2.50	3.50	5.00	6.80
		Heating	2.20	3.20	3.50	6.00	7.70
		Cooling (Min - Max)	-	1.10 ~ 3.30	1.10 ~ 4.00	1.60 ~ 6.00	1.8 ~ 8.0
		Heating (Min - Max)	-	1.05 ~ 4.40	1.05 ~ 4.80	1.20 ~ 6.50	1.3 ~ 8.2
	Capacity (Kcal/hr)	Cooling	1,720.0	2,150.0	3,010.0	4,300.0	5,848.0
		Heating	1,892.0	2,752.0	3,010.0	5,160.0	6,622.0
		Cooling (Min - Max)	-	946 ~ 2,838	946 ~ 3,440	1,376 ~ 5,160	1,548 ~ 6,880
		Heating (Min - Max)	-	903 ~ 3,784	903 ~ 4,128	1,032 ~ 5,590	1,118 ~ 7,052
	EER / COP	EER (Cooling, Btu/W)	-	10.9	9.4	11.5	10.3
		EER (Cooling, W/W)	-	3.21	2.76	3.36	3.01
		COP (Heating, W/W)	-	3.52	3.50	3.45	3.01
	SEER/SCOP	SEER (Cooling, W/W)	-	6.1	6.1	6.7	6.1
		Grade (for cooling)	-	A++	A++	A++	A++
		kWh/annum (for cooling)	-	143.0	201.0	261.0	390.0
		SCOP (Heating, W/W)	-	3.8	3.8	3.8	3.8
		Grade (for 'average' heating)	-	A	A	A	A
		kWh/annum (for heating)	-	811.0	811.0	1,437.0	1,658.0
	Moisture Removal (l/hr)		-	0.9	1.2	1.8	2.4
	Noise Level Power	Indoor High	56	56	59	58	63
		Outdoor High	-	63	65	65	69
	Noise Level Pressure	Indoor High / Low	33 / 23	38 / 21	42 / 21	42 / 25	44 / 28
		Outdoor High	-	46	48	51	52
Electrical Data	Energy Efficiency	Operating Current (Cooling)	0.3	3.6	5.6	6.8	10.0
		Operating Current (Heating)	0.3	4.1	4.4	7.7	11.2
		Power Consumption (Cooling)	30	780	1,270	1,490	2,260
		Power Consumption (Heating)	30	910	1,000	1740 ,	2,560
	Power Source	V/Hz/Φ	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz
Physical Specification	Dimension	Net Dimension (WxHxD, Indoor)	820*285*227	820*285*227	820*285*227	1065*298*243	1065*298*243
		Net Dimension (WxHxD, Outdoor)	-	660*475*242	660*475*242	880*638*310	880*793*310
		Gross Dimension (WxHxD, Indoor)	892*263*355	892*263*355	892*263*355	1128*299*378	1128*299*378
		Gross Dimension (WxHxD, Outdoor)	-	778*550*331	778*550*331	1023*730*413	1023*911*413
	Weight	Net Weight (Indoor)	8.2	8.2	8.2	11.5	11.5
		Net Weight (Outdoor)	-	22.5	22.5	52.5	52.5
		Gross Weight (Indoor)	11.0	11.0	11.0	17.0	17.0
		Gross Weight (Outdoor)	-	22.7	22.7	56.5	56.5
Loading Q'ty	W/O Pipe	Set (20 / 40ft / 40ft HC)		120/248/282	120/248/282	52/108/124	52/108/124
	W/O Pipe	IDU (20 / 40ft / 40ft HC)	304/640/720	304/640/720	304/640/720	210/434/496	210/434/496
	W/O Pipe	ODU (20 / 40ft / 40ft HC)	-	196/400/400	196/400/400	60/124/124	60/124/124
Technical Information	Piping Length	Piping Length (standard)	-	5.0	5.0	5.0	5.0
		Piping Length (Max)	-	15.0	15.0	30.0	30.0
	Piping Height	Piping Height (Max)	-	8.0	8.0	15.0	15.0
	Refrigerant	Type	-	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
		Charging	-	880	880	1,150	1,150
		Additional if Chargeless (after 5m)	-	15	15	15	15
	SVC Valve	Gas (ODxL)	6.35*5	6.35*5	6.35*5	6.35*5	6.35*5
		Liquid (ODxL)	9.52*5	9.52*5	9.52*5	12.7*5	15.88*5
General Feature	Air Flow	Triangle Technology	-	-	-	-	-
		Long Air Flow (14m)	-	-	-	-	-
		Air Direction Control (Up / Down)	Auto	Auto	Auto	Auto	Auto
		Air Direction Control (Left / Right)	Manual	Manual	Manual	Manual	Manual
		Air Flow Control Step (Cool / Fan)	5/4	5/4	5/4	5/4	5/4
	Air Purification	Virus Doctor	-	-	-	-	-
		Virus Doctor Lamp	-	-	-	-	-
		Neo Triple Filter (Easy Filter Plus)	-	-	-	-	-
		Easy Filter	-	-	-	-	-
		3-Care Filter	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)
		Allergy Care	•	•	•	•	•
		Anti-Bacteria Coating	•	•	•	•	•
		Anti-Virus Coating	•	•	•	•	•
		Auto-Clean (Self-Cleaning)	•	•	•	•	•
	Convenience	Smart Home	-	-	-	-	-
		Filter Cleaning Indicator	-	-	-	-	-
		Indoor Temp. Display	3 Led Lamp	3 Led Lamp	3 Led Lamp	3 Led Lamp	3 Led Lamp
		Display On / Off	-	-	-	-	-
		Display of Energy Consumption (usage)	-	-	-	-	-
		Beep On / Off	•	•	•	•	•
		24-Hour Timer / Real Timer	24-Hour	24-Hour	24-Hour	24-Hour	24-Hour
		Auto Changeover	-	•	•	•	•
		Auto Restart	•	•	•	•	•
	Operating Mode	2-Step Cooling	•	•	•	•	•
		Fast Cool	•	•	•	•	•
		Comfort Cool	•	•	•	•	•
		Good Sleep	•	•	•	•	•
		Single User Mode (Inv)	-	•	•	•	•
		Dehumidification	•	•	•	•	•
		Auto Mode	•	•	•	•	•
		Fan Mode	•	•	•	•	•
		Quiet Mode	•	•	•	•	•
		Auto Restart	•	•	•	•	•
		Smart Install	-	-	-	-	-
	Outdoor Unit and PBA	Compressor Type	-	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY	BLDC ROTARY
		Anti-Corrosion Fin	-	•	•	•	•
		Compressor Protector	-	•	•	•	•
		PBA Protector	-	•	•	•	•
		Multi-Channel Condensor	-	-	-	•	•
	Low Ambient	Cooling	-	-5 ~ 46	-5 ~ 46	-10 ~ 46	-10 ~ 46
		Heating	-	-15 ~ 24	-15 ~ 24	-15 ~ 24	-15 ~ 24

RAC Range Maldives (AR4500)

SPECIFICATIONS
AR07KSFPEWQN/EU, AR09/12KSFPEWQN/ET, AR18/24FSFPDGMN/EU

Range			AR4500				
Model Code			AR07KSFPEWQN/EU	AR09KSFPEWQN/ET	AR12KSFPEWQNET/	AR18FSFPDGMN/EU	AR24FSFPDGMN/EU
Performance	Capacity (Btu/hr)	Cooling	6,824	8,530	11,940	17,060	23,202
		Heating	7,506	10,920	11,940	20,472	26,614
		Cooling (Min - Max)	-	3,753 ~ 11,260	3,753 ~ 13,648	5,459 ~ 20,472	7,506 ~ 27,296
		Heating (Min - Max)	-	3,583 ~ 15,013	3,583 ~ 16,378	4,094 ~ 27,978	6,483 ~ 4,436
	Capacity (kW)	Cooling	2.00	2.50	3.50	5.00	6.80
		Heating	2.20	3.20	3.50	6.00	7.80
		Cooling (Min - Max)	-	1.10 ~ 3.30	1.10 ~ 4.00	1.6 ~ 6.0	2.2 ~ 8.0
		Heating (Min - Max)	-	1.05 ~ 4.40	1.05 ~ 4.80	1.2 ~ 8.2	1.9 ~ 11.3
	Capacity (Kcal/hr)	Cooling	1,720.0	2,150.0	3,010.0	4,300.0	5,848.0
		Heating	1,892.0	2,752.0	3,010.0	5,160.0	6,708.0
		Cooling (Min - Max)	-	946 ~ 2,838	946 ~ 3,440	1,376 ~ 5,160	1,892 ~ 6,880
		Heating (Min - Max)	-	903 ~ 3,784	903 ~ 4,128	1,032 ~ 7,052	1,634 ~ 1,118
	EER / COP	EER (Cooling, Btu/W)	-	10.9	9.4	11.8	11.26
		EER (Cooling, W/W)	-	3.21	2.76	3.45	3.30
		COP (Heating, W/W)	-	3.52	3.50	3.61	3.40
	SEER/SCOP	SEER (Cooling, W/W)	-	5.6	5.6	6.7	6.1
		Grade (for cooling)	-	A+	A+	A++	A++
		kWh/annum (for cooling)	-	156.0	219.0	261.0	390.0
		SCOP (Heating, W/W)	-	3.8	3.8	3.8	3.8
		Grade (for 'average' heating)	-	A	A	A	A
		kWh/annum (for heating)	-	811.0	811.0	1,658.0	2,063.0
	Moisture Removal (l/hr)		-	0.9	1.2	1.8	2.4
	Noise Level Power	Indoor High	56	56.0	59.0	57	62
		Outdoor High	-	63.0	65.0	65	67
	Noise Level Pressure	Indoor High / Low	33 / 23	38 / 21	42 / 21	41 / 25	43 / 26
		Outdoor High	-	46	48	51	52
Electrical Data	Energy Efficiency	Operating Current (Cooling)		3.6	5.6	6.8	9.5
		Operating Current (Heating)		4.1	4.4	7.9	10.5
		Power Consumption (Cooling)		780.0	1,270.0	1,470	2,150
		Power Consumption (Heating)		910.0	1,000.0	1,740	2,350
	Power Source	V/Hz/Φ	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz	1phase, 220-240V~, 50Hz
Physical Specification	Dimension	Net Dimension (WxHxD, Indoor)	820*285*215	820*285*215	820*285*215	1065*298*230	1065*298*230
		Net Dimension (WxHxD, Outdoor)	-	660*475*242	660*475*242	880*638*310	880*798*310
		Gross Dimension (WxHxD, Indoor)	880*260*360	880*260*360	880*260*360	1123*354*384	1123*354*384
		Gross Dimension (WxHxD, Outdoor)	-	778*550*331	778*550*331	1023*730*413	1023*911*413
	Weight	Net Weight (Indoor)	8.2	8.2	8.2	13.0	14.0
		Net Weight (Outdoor)	-	22.5	22.5	43.5	52.5
		Gross Weight (Indoor)	9.8	9.8	9.8	16.0	17.0
		Gross Weight (Outdoor)	-	22.7	22.7	46.5	56.5
Loading Q'ty	W/O Pipe	Set (20 / 40ft / 40ft HC)		120/248/282	120/248/282	66/138/153	52/108/124
	W/O Pipe	IDU (20 / 40ft / 40ft HC)	304/640/800	304/640/800	304/640/800	210/434/496	210/434/496
	W/O Pipe	ODU (20 / 40ft / 40ft HC)	-	196/400/400	196/400/400	90/186/186	60/124/124
Technical Information	Piping Length	Piping Length (standard)	-	5.0	5.0	5.0	5.0
		Piping Length (Max)	-	15.0	15.0	30.0	30.0
	Piping Height	Piping Height (Max)	-	8.0	8.0	15.0	15.0
	Refrigerant	Type	-	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
		Charging	-	880.0	880.0	1,150.0	1,500.0
		Additional if Chargeless (after 5m)	-	15.0	15.0	15.0	15.0
	SVC Valve	Gas (ODxL)	6.35*5	6.35*5	6.35*5	6.35*5	6.35*5
		Liquid (ODxL)	9.52*5	9.52*5	9.52*5	12.7*5	15.88*5
General Feature	Air Flow	Triangle Technology	-	-	-	-	-
		Long Air Flow (14m)	-	-	-	-	-
		Air Direction Control (Up / Down)	Auto	Auto	Auto	Auto	Auto
		Air Direction Control (Left / Right)	Manual	Manual	Manual	Manual	Manual
		Air Flow Control Step (Cool / Fan)	5/4	5/4	5/4	5/4	5/4
	Air Purification	Virus Doctor	-	-	-	-	-
		Virus Doctor Lamp	-	-	-	-	-
		Neo Triple Filter (Easy Filter Plus)	-	-	-	-	-
		Easy Filter	-	-	-	-	-
		3-Care Filter	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)	3-Care Filter (HD 60)
		Allergy Care	•	•	•	•	•
		Anti-Bacteria Coating	•	•	•	•	•
		Anti-Virus Coating	•	•	•	•	•
		Auto-Clean (Self-Cleaning)	•	•	•	•	•
	Convenience	Smart Home	-	-	-	-	-
		Filter Cleaning Indicator	-	-	-	-	-
		Indoor Temp. Display	3 Led Lamp	3 Led Lamp	3 Led Lamp	3 Led Lamp	3 Led Lamp
		Display On / Off	-	-	-	•	•
		Display of Energy Consumption (usage)	-	-	-	-	-
		Beep On / Off	•	•	•	•	•
		24-Hour Timer / Real Timer	24-Hour	24-Hour	24-Hour	24-Hour	24-Hour
		Auto Changeover	-	•	•	•	•
		Auto Restart	•	•	•	•	•
	Operating Mode	2-Step Cooling	•	•	•	•	•
		Fast Cool	•	•	•	•	•
		Comfort Cool	•	•	•	•	•
		Good Sleep	•	•	•	•	•
		Single User Mode (Inv)	-	•	•	•	•
		Dehumidification	•	•	•	•	•
		Auto Mode	•	•	•	•	•
		Fan Mode	•	•	•	•	•
		Quiet Mode	•	•	•	•	•
		Auto Restart	•	•	•	•	•
		Smart Install	-	-	-	-	-
	Outdoor Unit and PBA	Compressor Type	-	BLDC ROTARY	BLDC ROTARY	Twin BLDC	Twin BLDC
		Anti-Corrosion Fin	-	•	•	•	•
		Compressor Protector	-	•	•	•	•
		PBA Protector	-	•	•	•	•
		Multi-Channel Condensor	-	-	-	•	•
	Low Ambient	Cooling	-	-5 ~ 46	-5 ~ 46	-10 ~ 46	-10 ~ 46
		Heating	-	-10 ~ 24	-10 ~ 24	-15 ~ 24	-15 ~ 24

Indoor Units



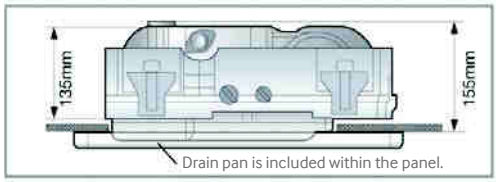
1-Way Cassette

Standard



Ease Installation and Maintenance with a Slim and Compact Design

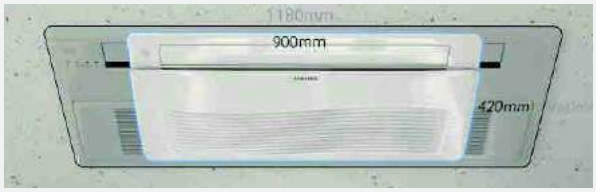
At a height of only 135mm, the Slim 1-Way Cassette is the world's thinnest indoor air cooling unit. The compact, lightweight design makes installation and maintenance in your space easier than ever. These high-performing units are so discreet that they can easily blend into interiors of all types and styles.



NOTE
Make sure that there is enough installation space. Allow at least 170mm for the installation



Panel Area has been Reduced by 30%.



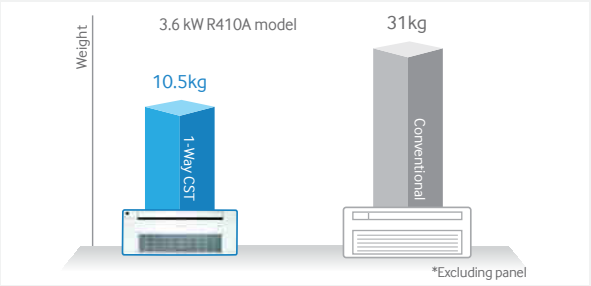
Air Reaches Every Corner of the Room.

Blade angle can move from 40°C – 80°C to reach every corner of the room.



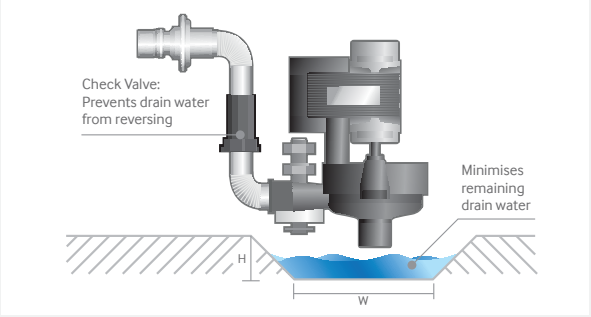
Lighter Indoor Unit

Samsung is the first to apply ABS cabinets into its indoor units to provide the lightest units on the market.



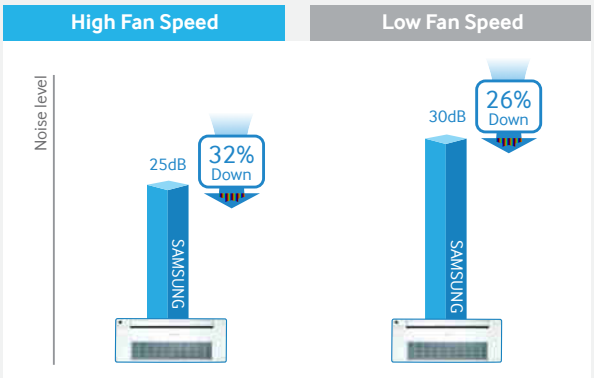
Drip-Free Operation

The check valve on the drain pump prevents drained water from flowing backward into the drain pan. This minimises the drain pan's water level, eliminating the hassles of water stagnation or overflowing drain water dripping into the interior.



Quiet Operation

Samsung's new blade design drastically reduces noise levels so that users can relax in peace and quiet.

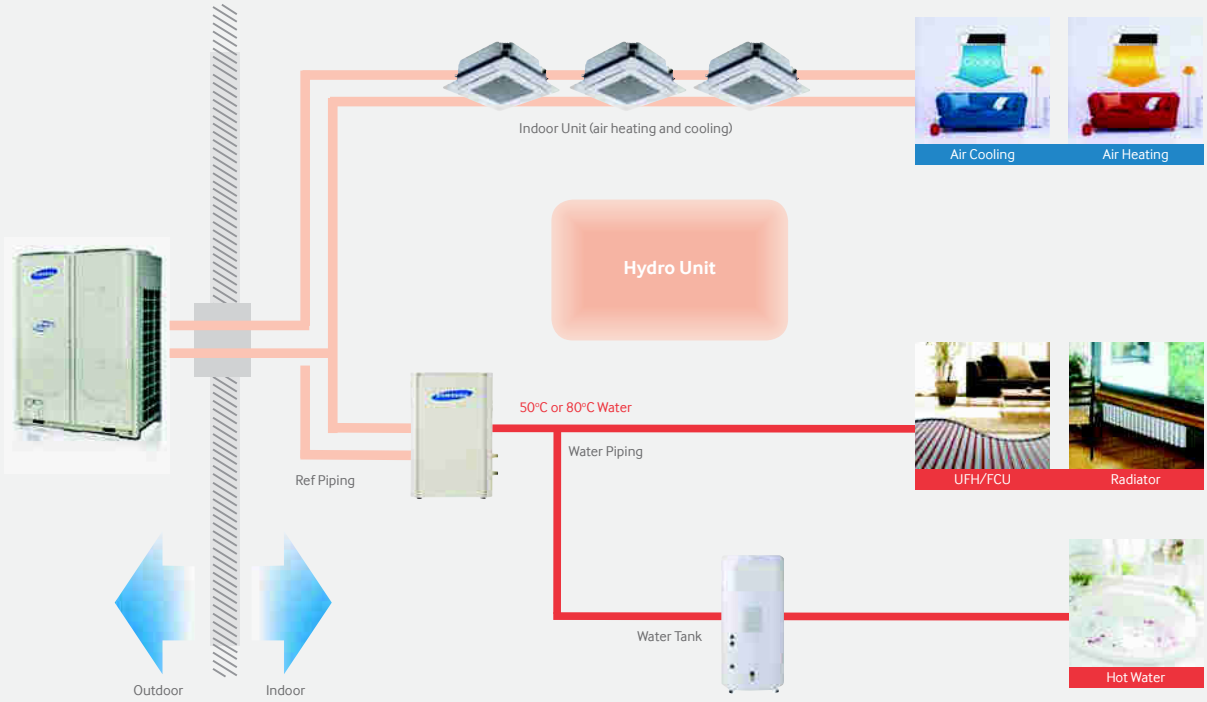


Hydro Unit



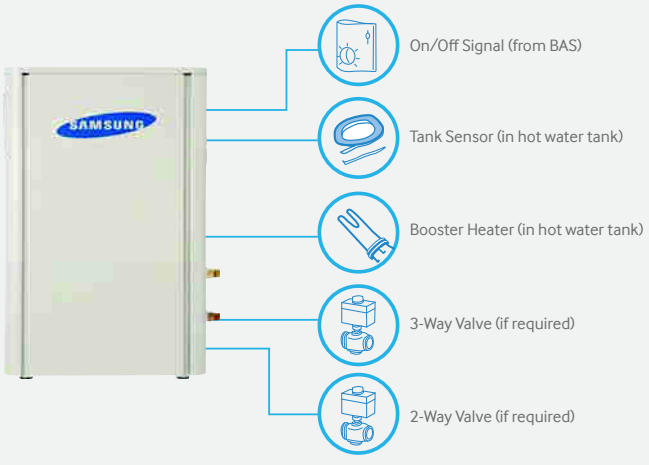
Integrated Heating and Cooling System

Samsung all-in-one system makes air heating and water heating possible with using only a single system. It means you don't need to install boiler and air conditioner separately, and you can ultimately save space, energy and money with all-in-one system.

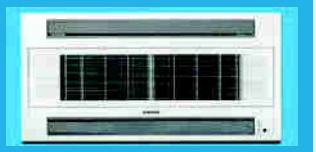


Simple Control Scheme

Already equipped with all related input and output terminals (No need to connect with BACnet / Lonwork Interface-kit)

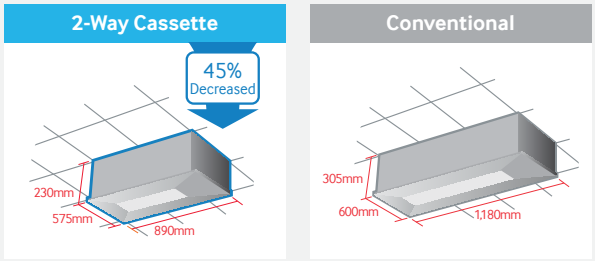


2-Way Cassette



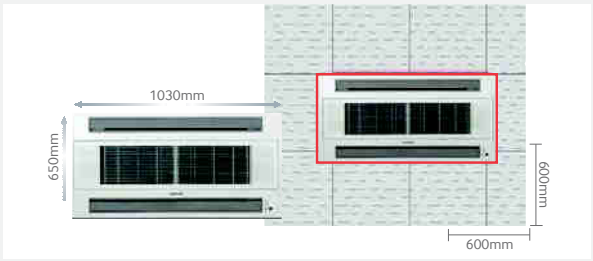
Small Size, Big Performance

The 2-Way Cassette indoor unit is now 45% smaller than conventional models, making it even easier to incorporate into building design.



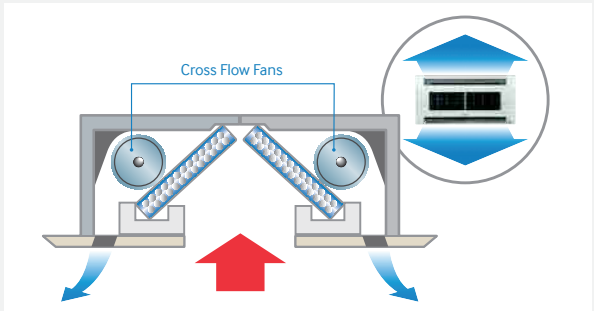
Standard Formula for Easy Installation

The dimensions of the 2-Way Cassette air conditioner allow for easy installation into standard ceiling grids (600Wx600D) in such a way that everything just falls into place.



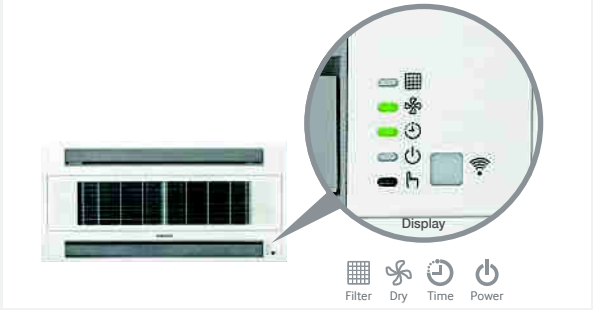
Twin Cross Flow Fan

2-Way Cassette type unit is a perfect fit for long and narrow rectangular spaces. The Twin Cross Flow Fan inside 2-Way Cassette will spread cool or warm air even further and wider with less noise.



Self-Diagnosis Mode

In case of unit malfunction, the indoor unit operates the Self-Diagnosis Mode to display an error code with LED light, thus enabling you to easily resolve the problem.



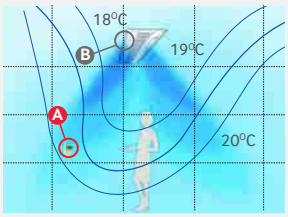
Optimum Temperature Control

The Optimum Temperature Control function detects and minimises the temperature difference between the top and bottom of the space to maintain an optimum temperature. You can set the temperature detection option with indoor unit or optional remote controller (MWR-WE00).

- (A): Temperature set by remote controller
- (B): Temperature set by indoor unit
- Average of (A+B): The average temperature

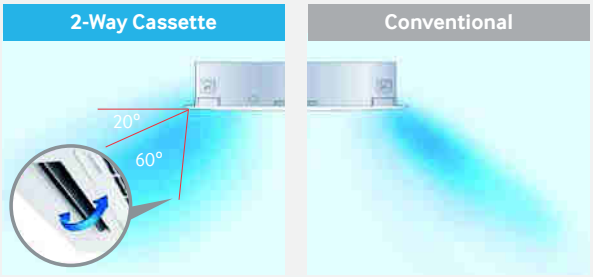


* The average temperature is set at 19°C



Auto Surround Swing

The 2-way outlet blades swing right and left to evenly distribute cool and warm air to every nook and cranny of your space, keeping your environment pleasant and comfortable.



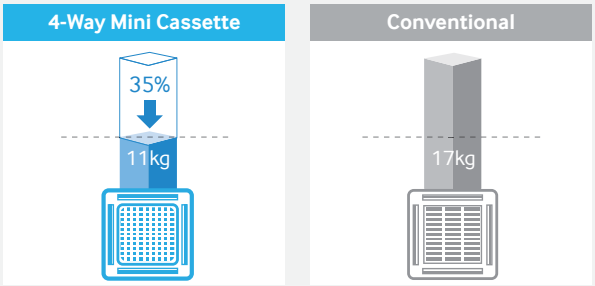
Mini 4-Way Cassette



Compact and Light Unit

The 4-Way Cassette S (interior) can be easily installed on one standard ceiling tile (600Wx600D) with its lightest weight about 35% lighter than the competitor's.

*Based on 3.9kW.



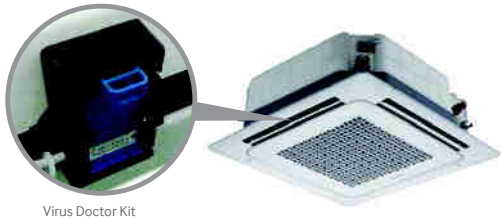
Virus Doctor (optional)

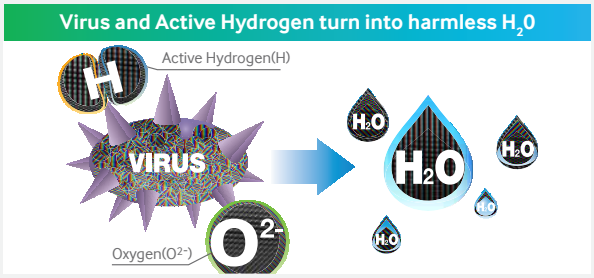
Healthy Air Provider

The Virus Doctor device eliminates airborne contaminants and creates even healthier air for your environments. This optional device can be easily installed by simply inserting the Virus Doctor kit into the indoor unit.

Virus Doctor device generates active hydrogen and oxygen ions which eliminate biological contaminants and active oxygen (OH-radical) in the air by turning them into harmless H_2O.

- Elimination of airborne virus and bacteria (subtype H1N1)
- Complete eradiction of bacteria
- Relief of allergies by eradicating airborne allergens
- Neutralisation of OH-radical (also known as active oxygen)


Virus Doctor Kit



Individual Blade Control

By using the remote controller, the opening angles of the four blades can be individually set at the same or different angles within a 32^{o}~ 65^{o} range for more efficient cooling.



Comfort Airflow Control (only when connected to DVM outdoor unit)

An air conditioner needs to provide a comfortable environment to its users. To better serve this purpose, the Samsung 4-Way Cassette provides a Comfort Airflow Control function that prevents cold draughts. When the room temperature reaches 23°C during cooling mode, the indoor unit reduces the amount of discharging air. By doing so, people in the room do not need to suffer from direct contact with cold air. Keep cool comfortably without shivering:

- Minimum fan speed
- Dehumidification

*Only for 4-Way Mini Cassette 600x600 connected with DVM products

Mini 4-Way Cassette



MDS: Motion Detect Sensor (optional)

The world's first MDS for 4-Way Cassette S creates the ideal environment, saving energy by providing just the right amount of airflow when needed.

Energy-Saving On/Off Function

MDS detects when the user is absent from the area, automatically stopping the air conditioning operation. It also automatically sets operation patterns to maximise energy efficiency.





Pleasant and Comfortable Air

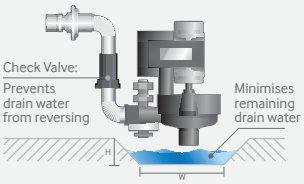
MDS enables the indoor unit to avoid directly providing airflow to people and reduces the difference of thermal sensation in the body by detecting the temperature around the floor.

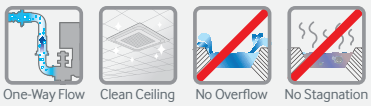




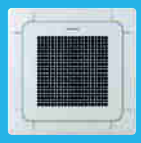
No Overflowing Drain Water

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





4-Way Cassette S



Fan Speed Adjustment for High Ceiling

The optimum fan speed for high ceiling can be achieved just by using the remote controller without adjusting the DIP switch on the indoor unit's PCB. The Fan Speed Adjustment function provides evenly cool and warm air throughout space with high ceiling of up to 3.5m.

*Based on 10kW



MR-DH00

Fan Speed Adjustment



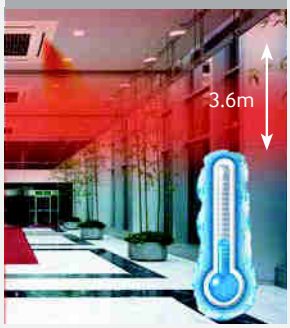
High Ceiling Mode

The High Ceiling Mode allows indoor units to provide even more powerful airflow throughout your space. This mode enlarges the coverage area of the airflow up to a height of 4.6m.

4-Way Cassette S



Conventional



Easy Blade Cleaning

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

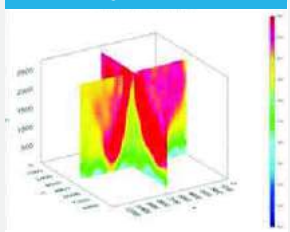


Quick Cooling and Heating

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

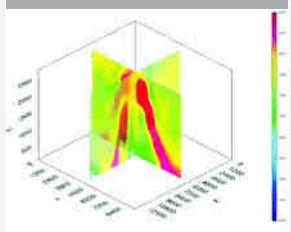
25% Faster

4-Way Cassette S



Heating after approximately 30 minutes

Classic Pattern



Heating after approximately 40 minutes

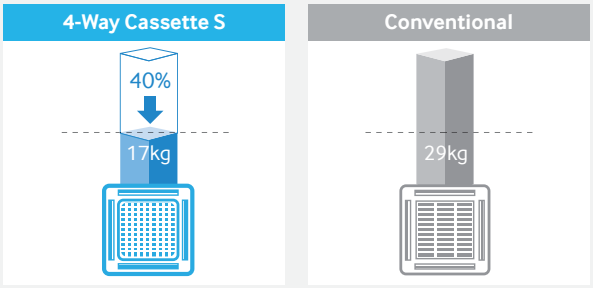
4-Way Cassette S



Light yet Robust Design

Samsung 4-Way Cassette S indoor unit is now lighter in weight at 17kg. It is the lightest indoor unit in the industry, about 35% lighter than our competitor's products.

*Based on 10kW



Individual Blade Control

By using the remote controller, the opening angles of the four blades can be individually set at the same or different angles within a 32^{0}~ 65^{0} range for more efficient cooling.



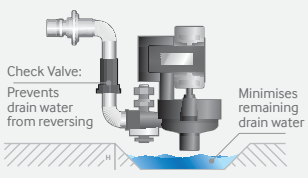
Easy Levelling

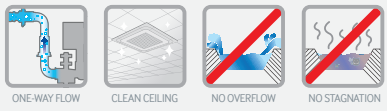
Each corner portion of the panel is detachable: this makes it easier for you to adjust the height, and makes installation and levelling much easier and quicker.



No Overflowing Drain Water

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





Slim Duct





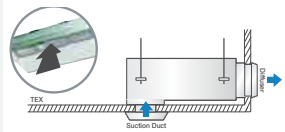
Temper any Environment with Industry-Best Lightweight Design and Optimised Airflow

The new Samsung Slim Duct visually blends into the ceiling while providing powerful cool and warm airflow. It's also easy to install and maintain in any interior regardless of the surrounding environment with its compact size and weight—the lightest in the industry.

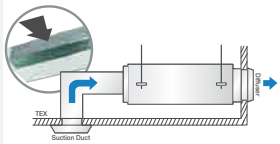
Flexible Setup

The air inlet can be set up either on the bottom or rear of the unit, giving users greater flexibility in installation.

Rear Side Air Inlet

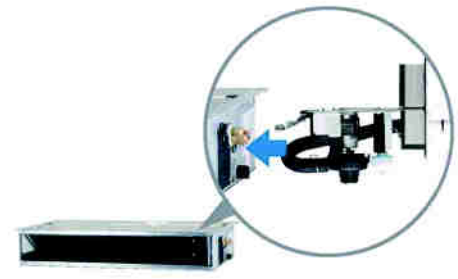


Bottom Side Air Inlet



Simple Drain Pump Installation

The new drain pump in the Slim Duct unit can be installed from the side by simply removing the right side panel. Users no longer need to disassemble the top cover to install, check or repair the drain pump for maximum convenience.

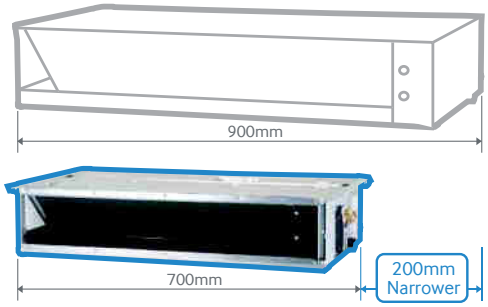


Various Installation Options

Slim Duct S adopts an ultra-compact, slim size with its thin width, which is 200 mm narrower than conventional products. This slender build enables flexible installation and maintenance in various environments.

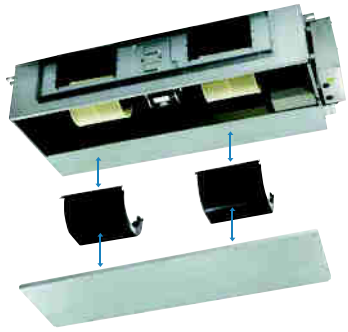
World's Lightest

The efficient Slim Duct S is the lightest duct air conditioning unit on the market. At a weight that's 15% lighter than conventional units, Slim Duct S offers the best in convenient installation and maintenance.



Easy Access, Easy Maintenance

Slim Duct features a flexible design that enables users to easily access its parts to maintain the unit.



Duct S



Slim Fit

Compact Slim Fit design reduces its volume and weight compared to conventional air conditioners. It's 10% smaller, so it fits into small spaces. Although the size is smaller, the efficiency is increased.



Split Fan and Coil

Products that are difficult to install are not easy to use, either. Considering the customer's complete experience of the product, Samsung separated the Duct S (AC6000J) into two parts for better management of the product. The Duct S (AC6000J) can be divided into the coil part and the fan part, so when customers feel the product difficult to handle due to space or weight limits, they can install the parts separately and then put them back into one.

*only available on 18kw and 20kw



FME/FMC (Flat Micro-channel Evaporator/Condenser)

Samsung's FME/FMC(Flat Micro-channel Evaporator/Condenser) technology achieves a 30% increase in efficiency compared with the conventional fin and tube type. It has also enabled 30% decrease of unit size.

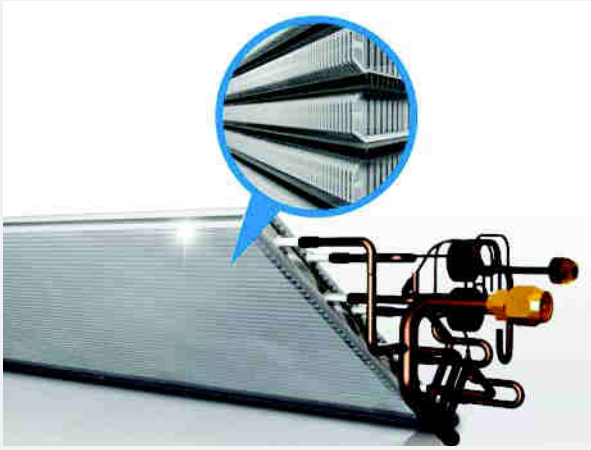
Anti-Corrosion Coating

Corrosion resistance has been improved compared to current model.

Enhanced Performance

30% enhanced heat exchange ratio.

	Heat Exchange Ratio
Fin and Tube	100%
FMC	130%



Duct S



Powerful Cooling

New Sirocco Fan

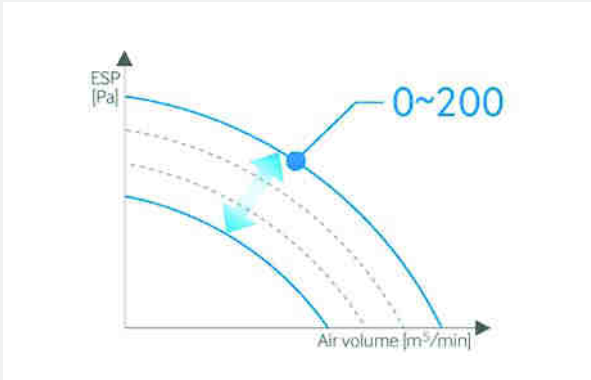
Ensures enough air-volume by adopting bigger and better fan compared to a conventional one.





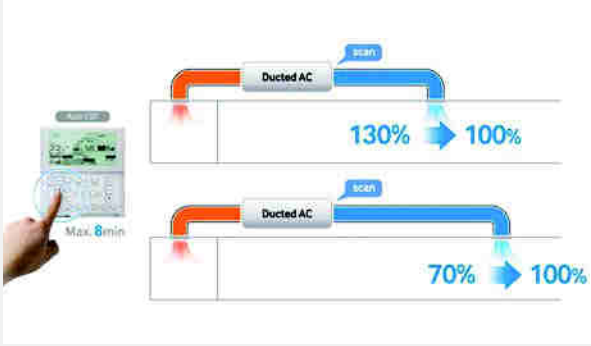
Wide Range of ESP

We can offer our customers a comprehensive range of products with the right capacity, the right ESP and the right-size.



Automatic Air Volume

Senses the current air volume and pressure then quickly adjusts its performance to ensure optimum comfort, whatever the length of duct.



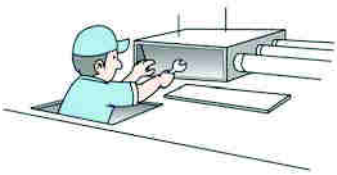
Duct S



Access from Three Directions

You can also access it from three directions (top, side or bottom), and its Slide Fit makes it easier to maintain.



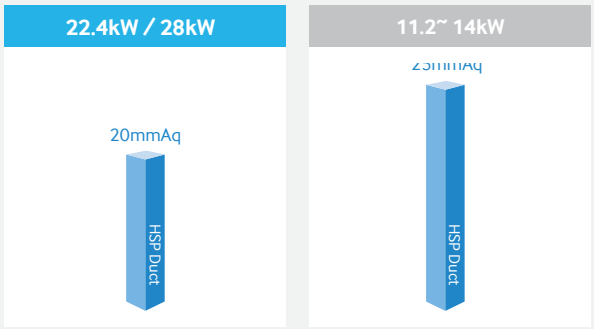
From the Top	From the Bottom	From the Side
		
		

HSP Duct



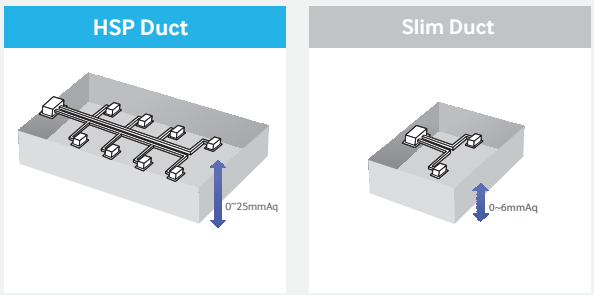
High External Static Pressure

To properly deal with unexpected various installation conditions, HSP Duct is designed to manage high external static pressures up to 25mmAq.



Strong and Large Coverage Area

HSP duct features greater static pressure than most of slim ducts. This enables you to design more inlets and outlets with longer duct work to provide even more cool or warm air to larger areas.



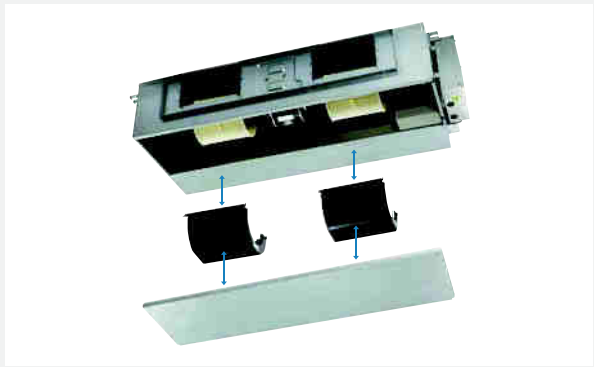
Silent Operation with the Static Pressure Control

The external Static Pressure Control makes it easy to design the duct work to ensure efficiency and silent operation.



Easy to Maintain

Time and maintenance costs are reduced since parts are easily accessible.

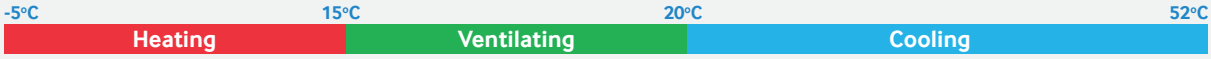


Outdoor Air Processing Duct (OAP)



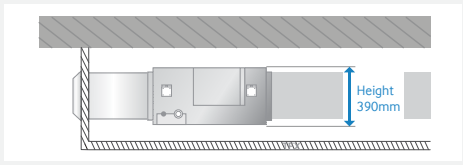
Wide Operation Range

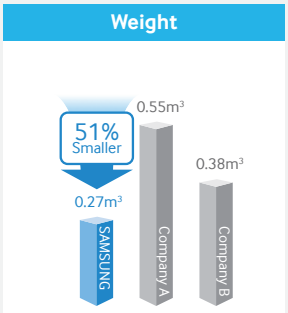
Outdoor air processing duct can supply fresh air to the inside area through cooling or heating processing from a wide range of outside temperatures from -5°C ~ 52°C.

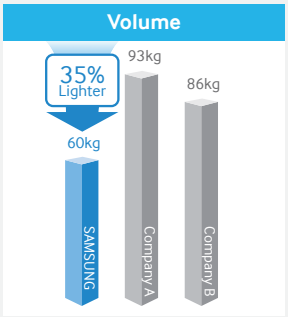


Flexible Installation

This light and compact unit, with its shorter height of 390mm, enables you to conveniently install and manage it in a variety of areas and installation options.



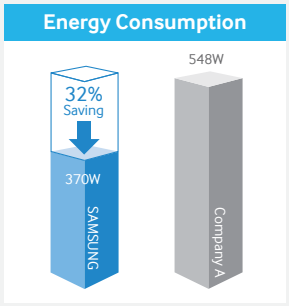




*Comparison is based on 5HP Duct.

Highly Efficient BLDC Motor

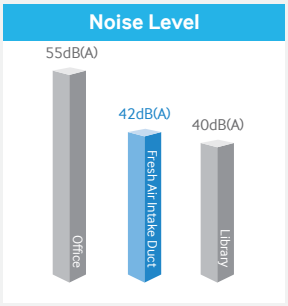
The BLDC motor enables Outdoor Air Processing Duct to perform at the highest efficiency possible, saving energy up to 32% for more economical and practical operation.



*Comparison is based on 5HP Duct.

Quiet Operation

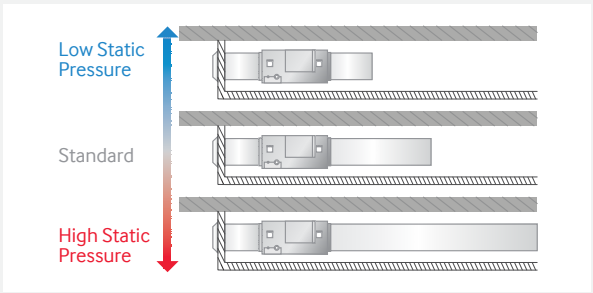
Equipped with the highly efficient BLDC motor, Outdoor Air Processing Duct operates quietly with a sound level as low as 42 Decibels, slightly higher than that of a library, to provide your environment with optimum comfort.



*Comparison is based on 5HP Duct.

Flexible Static Pressure Control

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



Concealed Floor Standing



Effective Cooling and Heating System

The Concealed Floor Standing unit offers wide versatility in solving your cooling and heating needs for a space. When this unit is mounted in a window, this blocks the air from getting through the gap in window and maintains desired indoor temperature.



Office



School



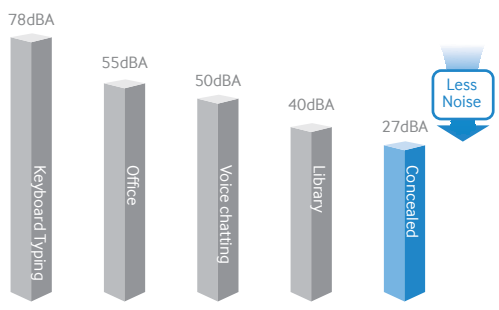
Hotel



Silent Operation [27dB(A)]

This silent yet powerful and efficient cooling and heating system makes your space more comfortable than ever before.

Noise Level Comparison



Ceiling



Slim Design

You won't find anything slimmer than this: the new Console type air conditioner is only 199mm thick, the slimmest on the market, and its unobtrusive design easily integrates into your decor.



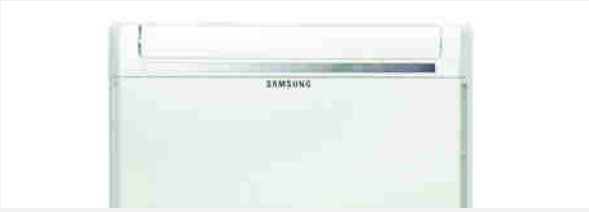
Clean Panel

Stay clean with the intelligently designed Clean Panel. This unique panel keeps dust from accumulating, so the unit and your room stay cleaner.



Black Display

The touch screen display maxmises the convenience of control, and is an elegant example of functional art.



2-Way Air Outlets

There are two separate air outlets for cooling and heating. The warmer air comes out from the bottom part of the air outlet to spread the warm air evenly throughout the room. Stay cooler and warmer in every corner of your room.



Silent Operation [23dB(A)]

This silent yet powerful and efficient cooling and heating system makes your room more comfortable than ever before. Silent Mode is available in four different operating modes: choose from High/Medium/Low/Silence.



Ceiling



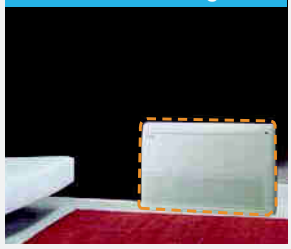
Choice of Installation Options

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

Under Ceiling



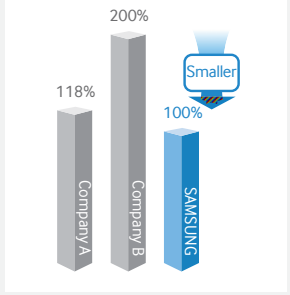
Floor Standing



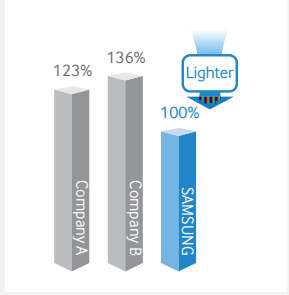
Small Package, Big Performance

The Samsung Ceiling Type air conditioner boasts a slim, compact design—half the size of conventional products—with cooling power comparable to larger units.

Size



Weight



7.1kW Model

Easy Air Tuning

The ability to quickly affect indoor environment is the only reason why we use air conditioners. Focusing on its purpose, Samsung indoor units enable users to instantly change their surrounding spaces. Whenever you feel discomfort, think what you need – Samsung.

Fast Cooling

When users need air conditioning, they really need it quickly. While the Ceiling (AC4000J) applies the latest flow-efficient blowers to increase the amount of air it discharges, its mounted single BLDC motor reduces noises and possibilities of abrupt changes of modes. With increased size of inlet area and dynamically designed inner passages, customers can experience incomparable cooling power.



Savings and Hygiene – Filter Alarm

The more we rely on filters, the more important it is to manage their status. Everyone knows this simple, but important rule. Applying ergonomics, the Ceiling (AC4000J) indicates its status in a way that customers generally can understand intuitively.



Ceiling

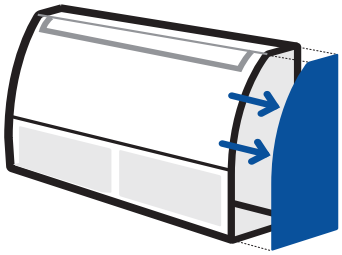


Flexible Installation

Whether it is easy to install or not is an important factor when customers make a purchase decision. However, it is more important when customers actually use the product. Installation flexibility determines fixed costs, while maintenance easiness decides variable costs. Samsung Ceiling helps you to save both initial and running costs.

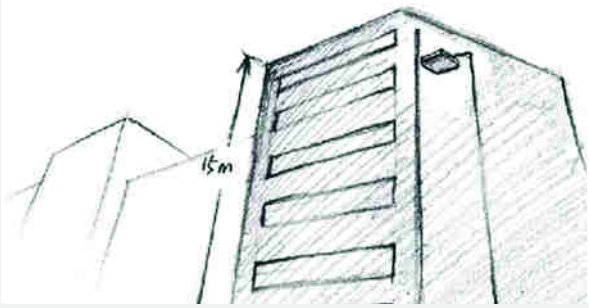
Easy Installation and Maintenance

Due to difficulties in accessing their installed locations, easiness to maintain ceiling indoor units should be considered seriously. Relatively thin products make locating all service ports at one side difficult. However, for a better customer experience, Samsung is proud to provide the solution.



Increased Flexibility of Installation

By extending 50% of elevation allowance between indoor and outdoor units compared to conventional air conditioners, the Ceiling allows you to locate the outdoor unit where you could not normally place it.



High Wall



Triangle Design for Powerful Cooling

The Samsung Air Conditioner's unique triangular design radically improves its performance, circulating cool air faster and further around your home. Its Smart Inverter also provides significantly greater energy efficiency. And its Virus Doctor and Easy Filter eliminates dust, contaminants, allergens, bacteria and viruses – firstly using a filter and secondly with Virus Doctor.



Cools Faster, Further and Wider

The Samsung Air Conditioner has been designed from the ground up to be outstandingly efficient. Its uniquely triangular design has a wider intake, so more air can be drawn in. The improved width and angle of its outlet, extra v-blades and a bigger fan also ensure that air is cooled and expelled faster and further. So refreshingly cool air reaches every corner of your room without blind spots.



Easy to Take Out and Clean

Unlike conventional filters that are often difficult to access, the Samsung Air Conditioner's Easy Filter is located outside, on the top. So it can easily be taken out, cleaned and put back without having to open a cover or pull hard to get it out. And its anti-bacterial coating filters dust, dangerous airborne contaminants and allergens.

Samsung



Samsung Conventional

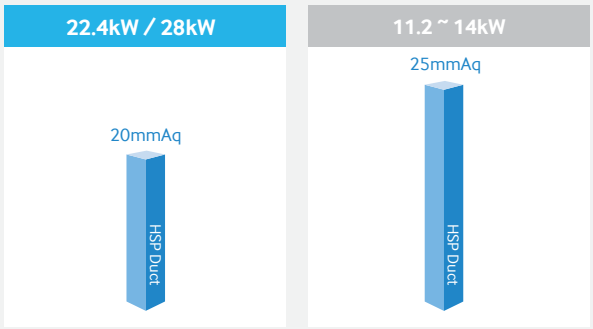


HSP Duct



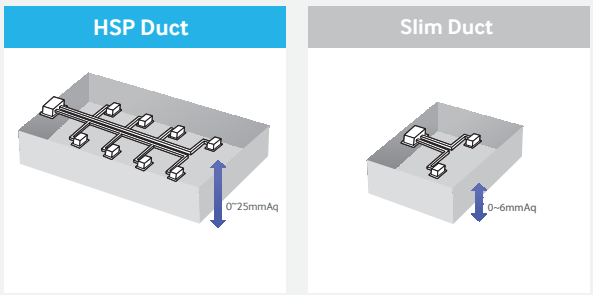
High External Static Pressure

To properly deal with unexpected various installation conditions, HSP Duct is designed to manage high external static pressures up to 25mmAq.



Strong and Large Coverage Area

HSP duct features greater static pressure than most of slim ducts. This enables you to design more inlets and outlets with longer duct work to provide even more cool or warm air to larger areas.



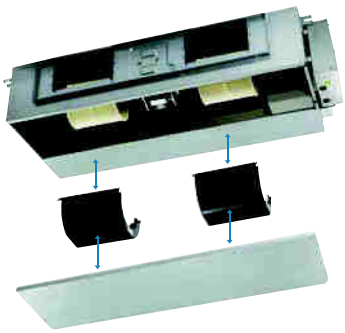
Silent Operation with the Static Pressure Control

The external Static Pressure Control makes it easy to design the duct work to ensure efficiency and silent operation.



Easy to Maintain

Time and maintenance costs are reduced since parts are easily accessible.



Free Joint Multi (FJM)



FJM
Introduction

Achieve multi-room temperature control with a flexible, easy-to-install and energy-efficient solution.

Experience Ultimate Comfort at Home or Work with Reliable, Efficient Performance

The Samsung Free Joint Multi (FJM) system air conditioner combines efficiency and reliability to deliver outstanding performance in a space-saving design. Supporting up to five indoor units, Samsung FJM is a perfectly optimised cooling system for residences and smaller buildings with limited installation space. Its lightweight, small-scale build and one-button auto-addressing enable easy, low-cost installation, while its uniquely quiet design ensures soothing comfort and maximum efficiency.

The Samsung FJM system air conditioner delivers optimal comfort, efficiency and performance with features such as:

- High performance. Rely on smooth, efficient operation with high-performance compressor technology.
- Easy installation. Ease installation and minimise effort with a small footprint and one-button auto-addressing.
- Low noise levels. Enjoy a more peaceful home or work environment with quiet operation, thanks to double-layered sound insulation.

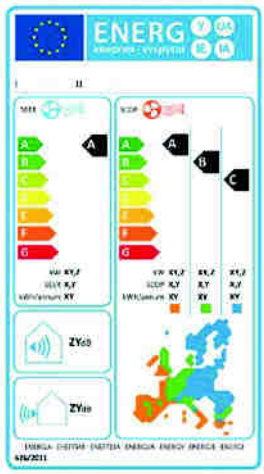


FJM

High performance

Maintain Optimal cComfort and Control with Energy and Cost-Efficient Technologies

Featuring a suite of energy-optimising technologies, Samsung FJM delivers top-class energy efficiency to support businesses in saving costs and the environment. Plus, CAC Single with its smart technologies fully complies with new European Union (EU) regulations for more efficient performance.

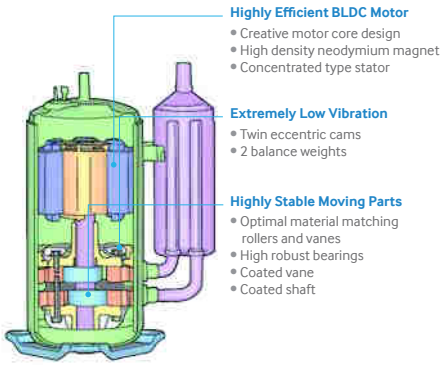


Drive Higher Performance with Unmatched Stability

A key contributor to Samsung FJM's efficiency is its advanced compressor technology. With its smart compressor design and premium moving parts, the FJM air conditioning system delivers balanced performance for high reliability and FJM fully complies with new EU regulations for more efficient performance.

Smooth Performance

Samsung Free Joint Multi adopts the innovative Twin Brushless Direct Current (BLDC) rotary compressor for more efficient performance. Its stable twin eccentric cams and two balance weights reduce torque variation by 70% compared to the conventional Single BLDC compressor, offering smoother, more consistent operation. High-quality moving parts such as robust bearings, as well as premium matching rollers and vanes, produce a high degree of stability and durability.



New	Conventional
	

FJM

Easy installation and low noise level

Streamline Installation with a Compact Design and Automated Operation

The FJM's compact design means that it can be easily incorporated into a variety of professional and residential situations, with the flexibility to support up to five indoor units. In addition, the one-button auto-addressing feature simplifies installation, which results in minimal disruption to the day-to-day activities of busy companies.

Easy, One-Touch Setup

FJM's one-button auto-addressing solution makes installation easier than ever.

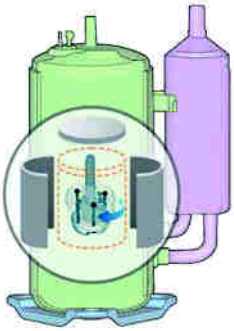


Enjoy Minimal Noise Levels for Maximum Comfort

With its superior insulation and low vibration, FJM offers a comforting environment undisturbed by bothersome noise levels typical of standard air conditioning systems. Residents can enjoy a more restful night and employees can increase focus levels with less disturbance.

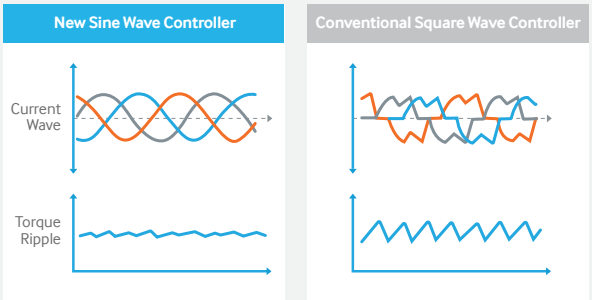
Insulated, Quiet Operation

Double-layered sound insulation material fully covers the compressor to absorb and minimise the noise for quieter operation, making it more discreet despite its high-quality performance.



Sine Wave Controller

All Samsung FJM models have adopted a newly developed Sine Wave Controller. Smoother current waves result in a soft acoustic quality and overall noise reduction.



FJM Outdoor Units

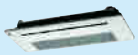
Line-up

4kW	5kW	5.2kW
		
6.8kW	**7kW**	**8kW**
		
10kW		
		

FJM Indoor Units

Line-up

Cassette

Model			 4-Way S (600x600)	 Slim 1-Way
Capacity		1.6	●	
		2.0	●	
		2.6	●	●
		3.0		
		3.5	●	●
		5.2	●	
Features		Powerful Airflow	●	●
		Ceiling Dust Prevention	●	●
		High Lift-Up Drain Pump	●	●
		Sub Duct	●	
		Fresh Air Intake	●	

Duct

Model			 MSP	 Slim
Capacity		2.6		●
		3.5		●
		5.2	●	
Features		Pre-Filter	●	●
		Easy Filter Cleaning	●	●
		High Lift-Up Drain Pump	●	●
		Smart Pressure Control	●	●

FJM Indoor Units

Line-up

Wall-Mounted

Model			AR9000	AR7000	AR5000	Boracay AR4700	Maldives AR4500
Capacity		2.0		●	●	●	●
		2.5	●	●	●	●	●
		3.5	●	●	●	●	●
		5.2		●	●	●	●
		6.8		●	●	●	●
Features		Virus Doctor	●	●			
		Full HD Filter	●	●	●		●
		Good Sleep	●	●	●		●
		Wi-Fi	●	●	●		

Console

Model			Console
Capacity		2.6	●
		3.5	●
		5.2	●
Features		Virus Doctor	●
		Interior Design	●
		Anti-virus Filter	●
		Lightweight Unit	●
		Flexible Pipe Installation	●

FJM High Wall (AR9570)

SPECIFICATIONS

AR09/12JSPFBWKN/EU



Model Code		AR09JSPFBWKN/EU	AR12JSPFBWKN/EU
Capacity	Capacity (Cooling, Btu/hr)	8,530 Btu/hr	11,942 Btu/hr
	Capacity (Heating, Btu/hr)	10,918 Btu/hr	13,648 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	3,310 - 11,260 Btu/hr	3,310 - 13,648 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	3,310 - 18,425 Btu/hr	3,310 - 19,790 Btu/hr
	Capacity (Cooling, kW)	2.5 kW	3.5 kW
	Capacity (Heating, kW)	3.2 kW	4.0 kW
	Capacity (Cooling, Kcal/hr)	2,150 Kcal/hr	3,009 Kcal/hr
	Capacity (Heating, Kcal/hr)	2,752 Kcal/hr	3,439 Kcal/hr
Energy Efficiency	Annual electricity consumption (cooling, kWh/annum)	123 kWh/annum	183 kWh/annum
	Annual electricity consumption (heating, kWh/annum)	730 kWh/annum	883 kWh/annum
	EER (Cooling, W/W)	4.24 W/W	3.61 W/W
	COP (Heating, W/W)	4.10 W/W	3.81 W/W
	Energy Efficiency Class for cooling (W/W)	7.1	6.7
	Energy Efficiency Class for cooling (Grade)	A++	A++
	Energy Efficiency Class for heating in 'Average' heating season (W/W)	4.6	4.6
	Energy Efficiency Class for heating in 'Average' heating season (Grade)	A++	A++
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	38 / 16 dBA	40 / 16 dBA
	Sound Pressure (Outdoor, High/Low, dBA)	45 dBA	46 dBA
	Sound Power (Indoor, High, dBA)	57 dBA	59 dBA
	Sound Power (Outdoor, High, dBA)	59 dBA	62 dBA
Electrical Data	Power Source (Φ/V/Hz)	1 / 220 - 240 / 50	1 / 220 - 240 / 50
	Power Consumption (Cooling, W)	590 W	970 W
	Power Consumption (Heating, W)	780 W	1050 W
	Operating Current (Cooling, A)	3.2 A	4.8 A
	Operating Current (Heating, A)	3.8 A	5.0 A
Physical specification	Gross Dimension (Indoor, WxHxD, m x m x m)	1,020*326*345 mm	1020*326*345 mm
	Gross Dimension (Outdoor, WxHxD, m x m x m)	926*640*384 mm	926*640*384 mm
	Net Dimension (Indoor, WxHxD, m x m x m)	936*267*264 mm	936*267*264 mm
	Net Dimension (Outdoor, WxHxD, m x m x m)	790*548*285 mm	790*548*285 mm
	Gross Weight (Indoor, kg)	14.5 kg	14.5 kg
	Gross Weight (Outdoor, kg)	37.5 kg	37.5 kg
	Net Weight (Indoor, kg)	12.0 kg	12.0 kg
	Net Weight (Outdoor, kg)	34.5 kg	34.5 kg
	Loading Quantity (20/40/40Hft without Pipe)	78/165/192	78/165/192
Technical Information	Piping Length (Max, m)	15 m	15 m
	Piping Height (Max, m)	8 m	8 m
	SVC Valve (Liquid (ODxL))	6.35	6.35
	SVC Valve (Gas (ODxL))	9.52	9.52
	Moisture Removal (l/hr)	0.9 l/hr	1.2 l/hr
	Air Circulation (Cooling, m^3/min)	11.0 m^3/min	12.0 m^3/min
	Refrigerant (Charging, g)	1100 g	1,100 g
	Low Ambient (Cooling, °C)	-10 ~ 46 °C	-10 ~ 46 °C
	Low Ambient (Heating, °C)	-15 ~ 24 °C	-15 ~ 24 °C
	Outdoor Unit (Compressor Type)	Twin BLDC	Twin BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes
	Outdoor Unit (Multi-Channel Condensor)	No	No
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
Air Flow	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto
	Air Flow Control Step (Cool/Fan)	05-Apr	05-Apr
	Natural Breeze	Yes	Yes
Air Purification	Full HD Filter	60	60
	Allergy Care	Yes	Yes
	Anti-Bacteria	Yes	Yes
	Auto Clean (Self-Cleaning)	Yes	Yes
	Virus Doctor	Yes	Yes
	Easy Filter	Yes	Yes
Convenience	Smart Wi-Fi	Yes	Yes
	Filter Cleaning Indicator	Yes	Yes
	Indoor Temp. Display	Yes	Yes
	Display On/Off	Yes	Yes
	Beep On/Off	Yes	Yes
	Real-Time Timer	Yes	Yes
	24-Hour Timer	No	No
	Auto Changeover	Yes	Yes
	Auto Restart	Yes	Yes
Operating Mode	2-Step Cooling	Yes	Yes
	Fast Cool	Yes	Yes
	Comfort Cool	Yes	Yes
	Good Sleep	Yes	Yes
	Single User Mode	Yes	Yes
	Dehumidification	Yes	Yes
	Fan Mode	Yes	Yes
	Quiet	Yes	Yes
	Mood Lighting	Yes	Yes

FJM High Wall (AR7580)

SPECIFICATIONS
AR07KSPDBWKN/EU



Model Code		AR07KSPDBWKN/EU
Capacity	Capacity (Cooling, Btu/hr)	6824 Btu/hr
	Capacity (Heating, Btu/hr)	7506 Btu/hr
	Capacity (Cooling, kW)	2.0 kW
	Capacity (Heating, kW)	2.2 kW
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	35 / 16 dBA
	Sound Power (Indoor, High, dBA)	56 dBA
Electrical Data	Power Source (Φ/V/Hz)	1 / 220 - 240 / 50
	Power Consumption (Cooling, W)	30 W
	Power Consumption (Heating, W)	30 W
	Operating Current (Cooling, A)	0.3 A
	Operating Current (Heating, A)	0.3 A
Physical Specification	Net Dimension (Indoor, WxHxD, " *" *") ??	826*261*261 mm
	Net Weight (Indoor, kg)	10.2 kg
Technical Information	SVC Valve (Liquid (ODxL))	6.35*5
	SVC Valve (Gas (ODxL))	9.52*5
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas, GWP>150)
Air Flow	Air Direction Control (Up/Down)	Auto
	Air Direction Control (Left/Right)	Auto
	Air Flow Control Step (Cool/Fan)	05-Apr
Air Purification	Neo Triple Filter	Yes
	Full HD Filter	3 Care Filter (HD60)
	Allergy Care	Yes
	Anti-Bacteria	Yes
	Auto Clean (Self-Cleaning)	Yes
	Virus Doctor	Yes
	Easy Filter	Yes
Convenience	Smart Home (Wi-Fi)	Yes
	Filter Cleaning Indicator	Yes
	Indoor Temp. Display	Yes
	Display On/Off	Yes
	Beep On/Off	Yes
	24-Hour Timer	Yes
	Auto Restart	Yes
Operating Mode	2-Step Cooling	Yes
	Fast Cool	Yes
	Comfort Cool	Yes
	Good Sleep	Yes
	Dehumidification	Yes
	Fan Mode	Yes
	Quiet	Yes

FJM High Wall (AR7580)

SPECIFICATIONS

AR09/12/18/24KSPDBWKN/EU



Model Code		AR09KSPDBWKN/EU	AR12KSPDBWKN/EU	AR18KSPDBWKN/EU	AR24KSPDBWKN/EU
Capacity	Capacity (Cooling, Btu/hr)	8530 Btu/hr	11942 Btu/hr	17060 Btu/hr	23202 Btu/hr
	Capacity (Heating, Btu/hr)	10918 Btu/hr	13648 Btu/hr	20472 Btu/hr	27296 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	3310 ~ 11260 Btu/hr	3310 ~ 13648 Btu/hr	5459 ~ 23884 Btu/hr	7506 ~ 27296 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	3310 ~ 18425 Btu/hr	3310 ~ 19790 Btu/hr	4094 ~ 27296 Btu/hr	6483 ~ 34120 Btu/hr
	Capacity (Cooling, kW)	2.5 kW	3.5 kW	5.0 kW	6.8 kW
	Capacity (Heating, kW)	3.2 kW	4.0 kW	6.0 kW	8.0 kW
	Capacity (Cooling, Kcal/hr)	0.97 ~ 3.30 kW	0.97 ~ 4.00 kW	1.6 ~ 7.0 kW	2.2 ~ 8.0 kW
	Capacity (Heating, Kcal/hr)	0.97 ~ 5.40 kW	0.97 ~ 5.80 kW	1.2 ~ 8.0 kW	1.9 ~ 10.0 kW
Energy Efficiency	Annual electricity consumption (cooling, kWh/annum)	123 kWh/annum	183 kWh/annum	250 kWh/annum	340 kWh/annum
	Annual electricity consumption (heating, kWh/annum)	730 kWh/annum	883 kWh/annum	1575 kWh/annum	1575 kWh/annum
	EER (Cooling, W/W)	4.24 W/W	3.61 W/W	3.90 W/W	3.30 W/W
	COP (Heating, W/W)	4.10 W/W	3.81 W/W	4.11 W/W	3.51 W/W
	Energy Efficiency Class for cooling (W/W)	7.1	6.7	7	7
	Energy Efficiency Class for cooling (Grade)	A++	A++	A++	A++
	Energy Efficiency Class for heating in 'Average' heating season (W/W)	4.6	4.6	4	4
	Energy Efficiency Class for heating in 'Average' heating season (Grade)	A++	A++	A+	A+
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	38 / 16 dBA	40 / 16 dBA	42 / 25 dBA	43 / 26 dBA
	Sound Pressure (Outdoor, High/Low, dBA)	45 dBA	46 dBA	51 dBA	52 dBA
	Sound Power (Indoor, High, dBA)	56 dBA	58 dBA	58 dBA	62 dBA
	Sound Power (Outdoor, High, dBA)	59 dBA	62 dBA	65 dBA	67 dBA
Electrical Data	Power Source (Φ/V/Hz)	1phase / 220-240V/ 50Hz	1phase / 220-240V / 50Hz	1phase / 220-240V / 50Hz	1phase / 220-240V / 50Hz
	Power Consumption (Cooling, W)	590 W	970 W	1280 W	2060 W
	Power Consumption (Heating, W)	780 W	1050 W	1460 W	2280 W
	Operating Current (Cooling, A)	3.2 A	4.8 A	6.0 A	9.0 A
	Operating Current (Heating, A)	3.8 A	5.0 A	6.8 A	10.8 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm)	826*261*261 mm	826*261*261 mm	1065*301*294 mm	1065*301*294 mm
	Net Dimension (Outdoor, WxHxD, mm)	790*285*545 mm	790*285*545 mm	880*793*310 mm	880*793*310 mm
	Net Weight (Indoor, kg)	10.2 kg	10.2 kg	15.5 kg	15.5 kg
	Net Weight (Outdoor, kg)	34.5 kg	34.5 kg	52.5 kg	52.5 kg
Technical Information	Piping Length (Max, m)	15 m	15 m	30 m	30 m
	Piping Height (Max, m)	8 m	8 m	15 m	15 m
	SVC Valve (Liquid (ODxL))	6.35*5	6.35*5	6.35*5	6.35*5
	SVC Valve (Gas (ODxL))	9.52*5	9.52*5	12.70*5	15.88*5
	Moisture Removal (l/hr)	0.9 l/hr	1.2 l/hr	1.8 l/hr	2.4 l/hr
	Air Circulation (Cooling, m^3/min)	11.0 m^3/min	12.0 m^3/min	18.0 m^3/min	19.0 m^3/min
	Refrigerant (Charging, g)	1100 g	1100 g	1500 g	1500 g
	Low Ambient (Cooling, °C)	-10 ~ 46 °C	-10 ~ 46 °C	-10 ~ 46 °C	-10 ~ 46 °C
	Low Ambient (Heating, °C)	-15 ~ 24 °C	-15 ~ 24 °C	-15 ~ 24 °C	-15 ~ 24 °C
	Outdoor Unit (Compressor Type)	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes	Yes	Yes
	Outdoor Unit (Multi-Channel Condensor)	No	No	Yes	Yes
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
Air Flow	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Auto	Auto	Auto	Auto
	Air Flow Control Step (Cool/Fan)	05-Apr	05-Apr	05-Apr	05-Apr
Air Purification	Neo Triple Filter	Yes	Yes	Yes	Yes
	Full HD Filter	3 Care Filter (HD 60)	3 Care Filter (HD 60)	3 Care Filter (HD 60)	3 Care Filter (HD 60)
	Allergy Care	Yes	Yes	Yes	Yes
	Anti-Bacteria	Yes	Yes	Yes	Yes
	Auto Clean (Self-Cleaning)	Yes	Yes	Yes	Yes
	Virus Doctor	Yes	Yes	Yes	Yes
	Easy Filter	Yes	Yes	Yes	Yes
Convenience	Smart Home (Wi-Fi)	Yes	Yes	Yes	Yes
	Filter Cleaning Indicator	Yes	Yes	Yes	Yes
	Indoor Temp. Display	Yes	Yes	Yes	Yes
	Display On/Off	Yes	Yes	Yes	Yes
	Beep On/Off	Yes	Yes	Yes	Yes
	24-Hour Timer	Yes	Yes	Yes	Yes
	Auto Changeover	Yes	Yes	Yes	Yes
	Auto Restart	Yes	Yes	Yes	Yes
Operating Mode	2-Step Cooling	Yes	Yes	Yes	Yes
	Fast Cool	Yes	Yes	Yes	Yes
	Comfort Cool	Yes	Yes	Yes	Yes
	Good Sleep	Yes	Yes	Yes	Yes
	Single User Mode	Yes	Yes	Yes	Yes
	Dehumidification	Yes	Yes	Yes	Yes
	Fan Mode	Yes	Yes	Yes	Yes
	Quiet	Yes	Yes	Yes	Yes

FJM High Wall (AR5580)

SPECIFICATIONS
AR07KSWSAWKN/EU



Model Code		AR07KSWSAWKN/EU
Capacity	Capacity (Cooling, Btu/hr)	6824 Btu/hr
	Capacity (Heating, Btu/hr)	7506 Btu/hr
	Capacity (Cooling, kW)	2.0 kW
	Capacity (Heating, kW)	2.2 kW
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	33 / 19 dBA
	Sound Power (Indoor, High, dBA)	54 dBA
Electrical Data	Power Source (Φ/V/Hz)	1 / 220 - 240 / 50
	Power Consumption (Cooling, W)	30 W
	Power Consumption (Heating, W)	30 W
	Operating Current (Cooling, A)	0.3 A
	Operating Current (Heating, A)	0.3 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm)	826*261*261 mm
	Net Weight (Indoor, kg)	9.5 kg
Technical Information	SVC Valve (Liquid (ODxL))	6.35*5
	SVC Valve (Gas (ODxL))	9.52*5
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas, GWP>150)
Air Flow	Air Direction Control (Up/Down)	Auto
	Air Direction Control (Left/Right)	Manual
	Air Flow Control Step (Cool/Fan)	05-Apr
Air Purification	Neo Triple Filter	Yes
	Full HD Filter	3 Care Filter (HD60)
	Allergy Care	Yes
	Anti-Bacteria	Yes
	Auto Clean (Self-Cleaning)	Yes
	Easy Filter	Yes
Convenience	Smart Home (Wi-Fi)	Yes
	Filter Cleaning Indicator	Yes
	Indoor Temp. Display	Yes
	Display On/Off	Yes
	Beep On/Off	Yes
	24-Hour Timer	Yes
	Auto Restart	Yes
Operating Mode	2-Step Cooling	Yes
	Fast Cool	Yes
	Comfort Cool	Yes
	Good Sleep	Yes
	Dehumidification	Yes
	Fan Mode	Yes
	Quiet	Yes

FJM High Wall (AR5580)

SPECIFICATIONS

AR09/12/KSWSBWKN/ET



Model Code		AR09KSWSBWKN/ET	AR12KSWSBWKN/ET
Capacity	Capacity (Cooling, Btu/hr)	8530 Btu/hr	11940 Btu/hr
	Capacity (Heating, Btu/hr)	10920 Btu/hr	12970 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	4436 ~ 11260 Btu/hr	4440 ~ 13650 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	3750 ~ 14160 Btu/hr	3750 ~ 15870 Btu/hr
	Capacity (Cooling, kW)	2.5 kW	3.5 kW
	Capacity (Heating, kW)	3.2 kW	3.8 kW
	Capacity (Cooling, Min - Max, kW)	1.30 ~ 3.30 kW	1.30 ~ 4.00 kW
	Capacity (Heating, Min - Max, kW)	1.10 ~ 4.15 kW	1.10 ~ 4.65 kW
Energy Efficiency	Annual electricity consumption (cooling, kWh/annum)	143 kWh/annum	201 kWh/annum
	Annual electricity consumption (heating, kWh/annum)	823 kWh/annum	823 kWh/annum
	EER (Cooling, W/W)	3.73 W/W	3.30 W/W
	COP (Heating, W/W)	3.72 W/W	3.73 W/W
	Energy Efficiency Class for cooling (W/W)	6.1	6.1
	Energy Efficiency Class for cooling (Grade)	A++	A++
	Energy Efficiency Class for heating in 'Average' heating season (W/W)	4	4
	Energy Efficiency Class for heating in 'Average' heating season (Grade)	A+	A+
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	37 / 19 dBA	38 / 19 dBA
	Sound Pressure (Outdoor, High/Low, dBA)	45 dBA	46 dBA
	Sound Power (Indoor, High, dBA)	54 dBA	56 dBA
	Sound Power (Outdoor, High, dBA)	59 dBA	62 dBA
Electrical Data	Power Source (Φ/V/Hz)	1phase / 220-240V/ 50Hz	1phase / 220-240V~/ 50Hz
	Power Consumption (Cooling, W)	670 W	1060 W
	Power Consumption (Heating, W)	860 W	1020 W
	Operating Current (Cooling, A)	3.6 A	5.0 A
	Operating Current (Heating, A)	4.4 A	5.0 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm)	826*261*261 mm	826*261*261 mm
	Net Dimension (Outdoor, WxHxD, mm)	720*548*265 mm	720*548*265 mm
	Net Weight (Indoor, kg)	9.5 kg	9.5 kg
	Net Weight (Outdoor, kg)	28.5 kg	28.5 kg
Technical Information	Piping Length (Max, m)	15.0 m	15.0 m
	Piping Height (Max, m)	8.0 m	8.0 m
	SVC Valve (Liquid (ODxL))	6.35*5	6.35*5
	SVC Valve (Gas (ODxL))	9.52*5	9.52*5
	Moisture Removal (l/hr)	0.9 l/hr	1.2 l/hr
	Air Circulation (Cooling, m^3/min)	11.0 m^3/min	12.0 m^3/min
	Refrigerant (Charging, g)	950 g	950 g
	Low Ambient (Cooling, °C)	-10 ~ 46 °C	-10 ~ 46 °C
	Low Ambient (Heating, °C)	-15 ~ 24 °C	-15 ~ 24 °C
	Outdoor Unit (Compressor Type)	BLDC	BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes
	Outdoor Unit (Multi-Channel Condensor)	Yes	Yes
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
Air Flow	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual
	Air Flow Control Step (Cool/Fan)	05-Apr	05-Apr
Air Purification	Neo Triple Filter	Yes	Yes
	Full HD Filter	3 Care Filter (HD 60)	3 Care Filter (HD 60)
	Allergy Care	Yes	Yes
	Anti-Bacteria	Yes	Yes
	Auto Clean (Self-Cleaning)	Yes	Yes
	Easy Filter	Yes	Yes
Convenience	Smart Home (Wi-Fi)	Yes	Yes
	Filter Cleaning Indicator	Yes	Yes
	Indoor Temp. Display	Yes	Yes
	Display On/Off	Yes	Yes
	Beep On/Off	Yes	Yes
	24-Hour Timer	Yes	Yes
	Auto Changeover	Yes	Yes
	Auto Restart	Yes	Yes
Operating Mode	2-Step Cooling	Yes	Yes
	Fast Cool	Yes	Yes
	Comfort Cool	Yes	Yes
	Good Sleep	Yes	Yes
	Single User Mode	Yes	Yes
	Dehumidification	Yes	Yes
	Fan Mode	Yes	Yes
	Quiet	Yes	Yes

FJM High Wall (AR5580)

SPECIFICATIONS

AR18/24KSWSAWKN/EU



Model Code		AR18KSWSAWKN/EU	AR24KSWSAWKN/EU
Capacity	Capacity (Cooling, Btu/hr)	17060 Btu/hr	23200 Btu/hr
	Capacity (Heating, Btu/hr)	20472 Btu/hr	26610 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	5459 ~ 20472 Btu/hr	6140 ~ 27300 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	4094 ~ 27978 Btu/hr	4440 ~ 27980 Btu/hr
	Capacity (Cooling, kW)	5.0 kW	6.8 kW
	Capacity (Heating, kW)	6.0 kW	7.8 kW
	Capacity (Cooling, Min - Max, kW)	1.6 ~ 6.0 kW	1.8 ~ 8.0 kW
	Capacity (Heating, Min - Max, kW)	1.2 ~ 8.2 kW	1.3 ~ 8.2 kW
Energy Efficiency	Annual electricity consumption (cooling, kWh/annum)	261 kWh/annum	390 kWh/annum
	Annual electricity consumption (heating, kWh/annum)	1437 kWh/annum	1658 kWh/annum
	EER (Cooling, W/W)	3.45 W/W	3.01 W/W
	COP (Heating, W/W)	3.61 W/W	3.12 W/W
	Energy Efficiency Class for cooling (W/W)	6.7	6.1
	Energy Efficiency Class for cooling (Grade)	A++	A++
	Energy Efficiency Class for heating in 'Average' heating season (W/W)	3.8	3.8
	Energy Efficiency Class for heating in 'Average' heating season (Grade)	A	A
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	41/25 dBA	43 / 26 dBA
	Sound Pressure (Outdoor, High/Low, dBA)	51 dBA	52 dBA
	Sound Power (Indoor, High, dBA)	58 dBA	62 dBA
	Sound Power (Outdoor, High, dBA)	65 dBA	67 dBA
Electrical Data	Power Source (Φ/V/Hz)	1phase / 220-240V/ 50Hz	1phase / 220-240V/ 50Hz
	Power Consumption (Cooling, W)	1450 W	2250 W
	Power Consumption (Heating, W)	1660 W	2500 W
	Operating Current (Cooling, A)	6.8 A	10.0 A
	Operating Current (Heating, A)	7.8 A	11.0 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm)	1065*301*294 mm	1065*301*294 mm
	Net Dimension (Outdoor, WxHxD, mm)	880*638*310 mm	880*793*310 mm
	Net Weight (Indoor, kg)	13.0 kg	13.5 kg
	Net Weight (Outdoor, kg)	43.5 kg	52.5 kg
Technical Information	Piping Length (Max, m)	30.0 m	30.0 m
	Piping Height (Max, m)	15.0 m	15.0 m
	SVC Valve (Liquid (ODxL))	6.35*5	6.35*5
	SVC Valve (Gas (ODxL))	12.7*5	15.88*5
	Moisture Removal (l/hr)	1.8 l/hr	2.4 l/hr
	Air Circulation (Cooling, m^3/min)	19.0 m^3/min	19.0 m^3/min
	Refrigerant (Charging, g)	1150 g	1450 g
	Low Ambient (Cooling, °C)	-10 ~ 46 °C	-10 ~ 46 °C
	Low Ambient (Heating, °C)	-15 ~ 24 °C	-15 ~ 24 °C
	Outdoor Unit (Compressor Type)	BLDC	BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes
	Outdoor Unit (Multi-Channel Condensor)	Yes	Yes
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
Air Flow	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual
	Air Flow Control Step (Cool/Fan)	05-Apr	05-Apr
Air Purification	Neo Triple Filter	Yes	Yes
	Full HD Filter	3 Care Filter (HD 60)	3 Care Filter (HD 60)
	Allergy Care	Yes	Yes
	Anti-Bacteria	Yes	Yes
	Auto Clean (Self-Cleaning)	Yes	Yes
	Easy Filter	Yes	Yes
Convenience	Smart Home (Wi-Fi)	Yes	Yes
	Filter Cleaning Indicator	Yes	Yes
	Indoor Temp. Display	Yes	Yes
	Display On/Off	Yes	Yes
	Beep On/Off	Yes	Yes
	24-Hour Timer	Yes	Yes
	Auto Changeover	Yes	Yes
	Auto Restart	Yes	Yes
Operating Mode	2-Step Cooling	Yes	Yes
	Fast Cool	Yes	Yes
	Comfort Cool	Yes	Yes
	Good Sleep	Yes	Yes
	Single User Mode	Yes	Yes
	Dehumidification	Yes	Yes
	Fan Mode	Yes	Yes
	Quiet	Yes	Yes

FJM High Wall (AR5680)

SPECIFICATIONS

AR07KSWNAWKN/EU



Model Code		AR07KSWNAWKN/EU
Capacity	Capacity (Cooling, Btu/hr)	6824 Btu/hr
	Capacity (Heating, Btu/hr)	7506 Btu/hr
	Capacity (Cooling, kW)	2.0 kW
	Capacity (Heating, kW)	2.2 kW
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	33 / 19 dBA
	Sound Power (Indoor, High, dBA)	54 dBA
Electrical Data	Power Source (Φ/V/Hz)	1 / 220 - 240 / 50
	Power Consumption (Cooling, W)	30 W
	Power Consumption (Heating, W)	30 W
	Operating Current (Cooling, A)	0.3 A
	Operating Current (Heating, A)	0.3 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm)	826*261*261 mm
	Net Weight (Indoor, kg)	9.5 kg
Technical Information	SVC Valve (Liquid (ODxL))	6.35*5
	SVC Valve (Gas (ODxL))	9.52*5
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas, GWP>150)
Air Flow	Air Direction Control (Up/Down)	Auto
	Air Direction Control (Left/Right)	Manual
	Air Flow Control Step (Cool/Fan)	05-Apr
Air Purification	Neo Triple Filter	Yes
	Full HD Filter	3 Care Filter (HD60)
	Allergy Care	Yes
	Anti-Bacteria	Yes
	Auto Clean (Self-Cleaning)	Yes
	Easy Filter	Yes
Convenience	Smart Home (Wi-Fi)	Yes
	Filter Cleaning Indicator	Yes
	Indoor Temp. Display	Yes
	Display On/Off	Yes
	Beep On/Off	Yes
	24-Hour Timer	Yes
	Auto Restart	Yes
Operating Mode	2-Step Cooling	Yes
	Fast Cool	Yes
	Comfort Cool	Yes
	Good Sleep	Yes
	Dehumidification	Yes
	Fan Mode	Yes
	Quiet	Yes

FJM High Wall (AR5680)

SPECIFICATIONS

AR09/12KSWNAWKN/ET, AR18/24KSWNAWKN/EU



Model Code		AR09KSWNAWKN/ET	AR12KSWNAWKN/ET	AR18KSWNAWKN/EU	AR24KSWNAWKN/EU
Capacity	Capacity (Cooling, Btu/hr)	8530 Btu/hr	11940 Btu/hr	17060 Btu/hr	23200 Btu/hr
	Capacity (Heating, Btu/hr)	10920 Btu/hr	12970 Btu/hr	20472 Btu/hr	26610 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	4436 ~ 11260 Btu/hr	4440 ~ 13650 Btu/hr	5459 ~ 20472 Btu/hr	6140 ~ 27300 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	3750 ~ 14160 Btu/hr	3750 ~ 15870 Btu/hr	4094 ~ 27978 Btu/hr	4440 ~ 27980 Btu/hr
	Capacity (Cooling, kW)	2.5 kW	3.5 kW	5.0 kW	6.8 kW
	Capacity (Heating, kW)	3.2 kW	3.8 kW	6.0 kW	7.8 kW
	Capacity (Cooling, Min - Max, kW)	1.30 ~ 3.30 kW	1.30 ~ 4.00 kW	1.6 ~ 6.0 kW	1.8 ~ 8.0 kW
	Capacity (Heating, Min - Max, kW)	1.10 ~ 4.15 kW	1.10 ~ 4.65 kW	1.2 ~ 8.2 kW	1.3 ~ 8.2 kW
Energy Efficiency	Annual electricity consumption (cooling, kWh/annum)	143 kWh/annum	201 kWh/annum	261 kWh/annum	390 kWh/annum
	Annual electricity consumption (heating, kWh/annum)	823 kWh/annum	823 kWh/annum	1437 kWh/annum	1658 kWh/annum
	EER (Cooling, W/W)	3.73 W/W	3.30 W/W	3.45 W/W	3.01 W/W
	COP (Heating, W/W)	3.72 W/W	3.73 W/W	3.61 W/W	3.12 W/W
	Energy Efficiency Class for cooling (W/W)	6.1	6.1	6.7	6.1
	Energy Efficiency Class for cooling (Grade)	A++	A++	A++	A++
	Energy Efficiency Class for heating in 'Average' heating season (W/W)	4	4	3.8	3.8
	Energy Efficiency Class for heating in 'Average' heating season (Grade)	A+	A+	A	A
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	37 / 19 dBA	38 / 19 dBA	41/25 dBA	43 / 26 dBA
	Sound Pressure (Outdoor, High/Low, dBA)	45 dBA	46 dBA	51 dBA	52 dBA
	Sound Power (Indoor, High, dBA)	54 dBA	56 dBA	58 dBA	62 dBA
	Sound Power (Outdoor, High, dBA)	59 dBA	62 dBA	65 dBA	67 dBA
Electrical Data	Power Source (Φ/V/Hz)	1phase / 220-240V/ 50Hz	1phase / 220-240V~/ 50Hz	1phase / 220-240V/ 50Hz	1phase / 220-240V/ 50Hz
	Power Consumption (Cooling, W)	670 W	1060 W	1450 W	2250 W
	Power Consumption (Heating, W)	860 W	1020 W	1660 W	2500 W
	Operating Current (Cooling, A)	3.6 A	5.0 A	6.8 A	10.0 A
	Operating Current (Heating, A)	4.4 A	5.0 A	7.8 A	11.0 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm)	826*261*261 mm	826*261*261 mm	1065*301*294 mm	1065*301*294 mm
	Net Dimension (Outdoor, WxHxD, mm)	720*548*265 mm	720*548*265 mm	880*638*310 mm	880*793*310 mm
	Net Weight (Indoor, kg)	9.5 kg	9.5 kg	13.0 kg	13.5 kg
	Net Weight (Outdoor, kg)	28.5 kg	28.5 kg	43.5 kg	52.5 kg
Technical Information	Piping Length (Max, m)	15.0 m	15.0 m	30.0 m	30.0 m
	Piping Height (Max, m)	8.0 m	8.0 m	15.0 m	15.0 m
	SVC Valve (Liquid (ODxL))	6.35*5	6.35*5	6.35*5	6.35*5
	SVC Valve (Gas (ODxL))	9.52*5	9.52*5	12.7*5	15.88*5
	Moisture Removal (l/hr)	0.9 l/hr	1.2 l/hr	1.8 l/hr	2.4 l/hr
	Air Circulation (Cooling, m^3/min)	11.0 m^3/min	12.0 m^3/min	19.0 m^3/min	19.0 m^3/min
	Refrigerant (Charging, g)	950 g	950 g	1150 g	1450 g
	Low Ambient (Cooling, °C)	-10 ~ 46 °C	-10 ~ 46 °C	-10 ~ 46 °C	-10 ~ 46 °C
	Low Ambient (Heating, °C)	-15 ~ 24 °C	-15 ~ 24 °C	-15 ~ 24 °C	-15 ~ 24 °C
	Outdoor Unit (Compressor Type)	BLDC	BLDC	BLDC	BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes	Yes	Yes
	Outdoor Unit (Multi-Channel Condensor)	Yes	Yes	Yes	Yes
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
Air Flow	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual	Manual	Manual
	Air Flow Control Step (Cool/Fan)	05-Apr	05-Apr	05-Apr	05-Apr
Air Purification	Neo Triple Filter	Yes	Yes	Yes	Yes
	Full HD Filter	3 Care Filter (HD 60)	3 Care Filter (HD 60)	3 Care Filter (HD 60)	3 Care Filter (HD 60)
	Allergy Care	Yes	Yes	Yes	Yes
	Anti-Bacteria	Yes	Yes	Yes	Yes
	Auto Clean (Self-Cleaning)	Yes	Yes	Yes	Yes
	Easy Filter	Yes	Yes	Yes	Yes
Convenience	Smart Home (Wi-Fi)	Yes	Yes	Yes	Yes
	Filter Cleaning Indicator	Yes	Yes	Yes	Yes
	Indoor Temp. Display	Yes	Yes	Yes	Yes
	Display On/Off	Yes	Yes	Yes	Yes
	Beep On/Off	Yes	Yes	Yes	Yes
	24-Hour Timer	Yes	Yes	Yes	Yes
	Auto Changeover	Yes	Yes	Yes	Yes
	Auto Restart	Yes	Yes	Yes	Yes
Operating Mode	2-Step Cooling	Yes	Yes	Yes	Yes
	Fast Cool	Yes	Yes	Yes	Yes
	Comfort Cool	Yes	Yes	Yes	Yes
	Good Sleep	Yes	Yes	Yes	Yes
	Single User Mode	Yes	Yes	Yes	Yes
	Dehumidification	Yes	Yes	Yes	Yes
	Fan Mode	Yes	Yes	Yes	Yes
	Quiet	Yes	Yes	Yes	Yes

FJM High Wall (Maldives)

SPECIFICATIONS

AR07KSFPEWQN/EU



Model Code		AR07KSFPEWQN/EU
Capacity	Capacity (Cooling, Btu/hr)	6824 Btu/hr
	Capacity (Heating, Btu/hr)	7506 Btu/hr
	Capacity (Cooling, kW)	2.0 kW
	Capacity (Heating, kW)	2.2 kW
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	33 / 23 dBA
	Sound Power (Indoor, High, dBA)	56 dBA
Electrical Data	Power Source (Φ/V/Hz)	1 / 220 - 240 / 50
	Power Consumption (Cooling, W)	30 W
	Power Consumption (Heating, W)	30 W
	Operating Current (Cooling, A)	0.3 A
	Operating Current (Heating, A)	0.3 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm)	820*285*215 mm
	Net Weight (Indoor, kg)	8.2 kg
Technical Information	SVC Valve (Liquid (ODxL))	6.35*5
	SVC Valve (Gas (ODxL))	9.52*5
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas, GWP>150)
Air Flow	Air Direction Control (Up/Down)	Auto
	Air Direction Control (Left/Right)	Manual
	Air Flow Control Step (Cool/Fan)	05-Apr
Air Purification	Full HD Filter	3 Care Filter (HD60)
	Allergy Care	Yes
	Anti-Bacteria	Yes
	Auto Clean (Self-Cleaning)	Yes
	Virus Doctor	No
Convenience	24-Hour Timer	Yes
	Auto Restart	Yes
Operating Mode	2-Step Cooling	Yes
	Fast Cool	Yes
	Comfort Cool	Yes
	Good Sleep	Yes
	Dehumidification	Yes
	Fan Mode	Yes
	Quiet	Yes

FJM High Wall (Maldives)

SPECIFICATIONS

AR09/12KSFPEWQN/ET



Model Code		AR09KSFPEWQN/ET	AR12KSFPEWQN/ET
Capacity	Capacity (Cooling, Btu/hr)	8,530 Btu/hr	11,940 Btu/hr
	Capacity (Heating, Btu/hr)	10,920 Btu/hr	11,940 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	3753 ~ 11260 Btu/hr	3753 ~ 13648 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	3583 ~ 15013 Btu/hr	3583 ~ 16378 Btu/hr
	Capacity (Cooling, kW)	2.5 kW	3.5 kW
	Capacity (Heating, kW)	3.2 kW	3.5 kW
	Capacity (Cooling, Min - Max, kW)	1.10 ~ 3.30 kW	1.10 ~ 4.00 kW
	Capacity (Heating, Min - Max, kW)	1.05 ~ 4.40 kW	1.05 ~ 4.80 kW
Energy Efficiency	Annual electricity consumption (cooling, kWh/annum)	156 kWh/annum	219 kWh/annum
	Annual electricity consumption (heating, kWh/annum)	811 kWh/annum	811 kWh/annum
	EER (Cooling, W/W)	3.21 W/W	2.76 W/W
	COP (Heating, W/W)	3.52 W/W	3.50 W/W
	Energy Efficiency Class for cooling (W/W)	5.6	5.6
	Energy Efficiency Class for cooling (Grade)	A+	A+
	Energy Efficiency Class for heating in 'Average' heating season (W/W)	3.8	3.8
	Energy Efficiency Class for heating in 'Average' heating season (Grade)	A	A
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	38 / 21 dBA	42 / 21 dBA
	Sound Pressure (Outdoor, High/Low, dBA)	46 dBA	48 dBA
	Sound Power (Indoor, High, dBA)	56 dBA	59 dBA
	Sound Power (Outdoor, High, dBA)	63 dBA	65 dBA
Electrical Data	Power Source (Φ/V/Hz)	1phase / 220-240V/ 50Hz	1phase / 220-240V/ 50Hz
	Power Consumption (Cooling, W)	780 W	1270 W
	Power Consumption (Heating, W)	910 W	1000 W
	Operating Current (Cooling, A)	3.6 A	5.6 A
	Operating Current (Heating, A)	4.1 A	4.4 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm)	820*285*215 mm	820*285*215 mm
	Net Dimension (Outdoor, WxHxD, mm)	660*475*242 mm	660*475*242 mm
	Net Weight (Indoor, kg)	8.2 kg	8.2 kg
	Net Weight (Outdoor, kg)	22.5 kg	22.5 kg
Technical Information	Piping Length (Max, m)	15.0 m	15.0 m
	Piping Height (Max, m)	8.0 m	8.0 m
	SVC Valve (Liquid (ODxL))	6.35*5	6.35*5
	SVC Valve (Gas (ODxL))	9.52*5	9.52*5
	Moisture Removal (l/hr)	0.9 l/hr	1.2 l/hr
	Air Circulation (Cooling, m^3/min)	10.5 m^3/min	11.5 m^3/min
	Refrigerant (Charging, g)	880 g	880 g
	Low Ambient (Cooling, °C)	-5 ~ 46 °C	-5 ~ 46 °C
	Low Ambient (Heating, °C)	-10 ~ 24 °C	-10 ~ 24 °C
	Outdoor Unit (Compressor Type)	BLDC	BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
Air Flow	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual
	Air Flow Control Step (Cool/Fan)	05-Apr	05-Apr
Air Purification	Full HD Filter	3 Care Filter (HD 60)	3 Care Filter (HD 60)
	Allergy Care	Yes	Yes
	Anti-Bacteria	Yes	Yes
	Auto Clean (Self-Cleaning)	Yes	Yes
Convenience	24-Hour Timer	Yes	Yes
	Auto Changeover	Yes	Yes
	Auto Restart	Yes	Yes
Operating Mode	2-Step Cooling	Yes	Yes
	Fast Cool	Yes	Yes
	Comfort Cool	Yes	Yes
	Good Sleep	Yes	Yes
	Single User Mode	Yes	Yes
	Dehumidification	Yes	Yes
	Fan Mode	Yes	Yes
	Quiet	Yes	Yes

FJM High Wall (Maldives)

SPECIFICATIONS

AR18/24FSFPDGMN/EU



Model Code		AR18FSFPDGMN/EU	AR24FSFPDGMN/EU
Capacity	Capacity (Cooling, Btu/hr)	17060 Btu/hr	23,200 Btu/hr
	Capacity (Heating, Btu/hr)	20472 Btu/hr	26,600 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	5459 ~ 20472 Btu/hr	7,500 ~ 27,300 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	4094 ~ 27978 Btu/hr	6,500 ~ 44,400 Btu/hr
	Capacity (Cooling, kW)	5 kW	6.8 kW
	Capacity (Heating, kW)	6 kW	7.8 kW
	Capacity (Cooling, Kcal/hr)	4300 Kcal/hr	5848 Kcal/hr
	Capacity (Heating, Kcal/hr)	5160 Kcal/hr	6708 Kcal/hr
Energy Efficiency	Annual electricity consumption (cooling, kWh/annum)	261 kWh/annum	390 kWh/annum
	Annual electricity consumption (heating, kWh/annum)	1658 kWh/annum	2063 kWh/annum
	EER (Cooling, W/W)	3.4 W/W	-
	COP (Heating, W/W)	3.45 W/W	-
	EER (Cooling, Btu/hW)	11.61 Btu/hW	-
	Energy Efficiency Class for cooling (W/W)	6.7	6.1
	Energy Efficiency Class for cooling (Grade)	A++	A++
	Energy Efficiency Class for heating in 'Average' heating season (W/W)	3.8	3.8
	Energy Efficiency Class for heating in 'Average' heating season (Grade)	A	A
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	40/27 dBA	-
	Sound Pressure (Outdoor, High/Low, dBA)	51 dBA	-
	Sound Power (Indoor, High, dBA)	57 dBA	62 dBA
	Sound Power (Outdoor, High, dBA)	65 dBA	67 dBA
Electrical Data	Power Source (Φ/V/Hz)	220 ~ 240/50/1	1/220 ~ 240/50
	Power Consumption (Cooling, W)	1470 W	2150 W
	Power Consumption (Heating, W)	1740 W	2350 W
	Operating Current (Cooling, A)	6.8 A	9.5 A
	Operating Current (Heating, A)	7.9 A	10.5 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm)	1065*298*230 mm	1065 x 298 x 230 mm
	Net Dimension (Outdoor, WxHxD, mm)	880*638*310 mm	880 x7 98 x 310 mm
	Net Weight (Indoor, kg)	13.5 kg	11.5 kg
	Net Weight (Outdoor, kg)	48 kg	55.0 kg
Technical Information	Piping Length (Max, m)	30 m	30 m
	Piping Height (Max, m)	15 m	15 m
	SVC Valve (Liquid (ODxL))	Φ6.35mm	Φ6.35mm
	SVC Valve (Gas (ODxL))	Φ12.7mm	Φ15.88mm
	Moisture Removal (l/hr)	1.8 l/hr	2.5 l/hr
	Air Circulation (Cooling, m^3/min)	15.5 m^3/min	20.5 m^3/min
	Refrigerant (Charging, g)	-	1650 g
	Low Ambient (Cooling, °C)	-10 ~ 46 °C	-10 ~ 46 °C
	Low Ambient (Heating, °C)	-15 ~ 24 °C	-15 ~ 24 °C
	Outdoor Unit (Compressor Type)	Twin BLDC	Twin BLDC
	Outdoor Unit (Anti-Corrosion Fin)	Yes	Yes
	Outdoor Unit (Multi-Channel Condensor)	No	No
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
Air Flow	Wide Twin Blade	No	No
	Optimal Single Blade	Yes	Yes
	Air Direction Control (Up/Down)	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual
	Air Flow Control Step (Cool/Fan)	-	04-Mar
	Natural Breeze	Yes	Yes
Air Purification	S-Plasma Ion	No	No
	Full HD Filter	80	Full HD Filter
	Allergy Care	No	No
	Anti-Bacteria	Yes	Yes
	Auto Clean (Self-Cleaning)	Yes	Yes
	Virus Doctor	No	No
	Easy Filter	No	No
Convenience	Smart Wi-Fi	No	No
	Filter Cleaning Indicator	No	No
	Indoor Temp. Display	No	No
	Display On/Off	No	No
	Beep On/Off	No	Yes
	Real-Time Timer	No	No
	24-Hour Timer	Yes	Yes
	Auto Changeover	Yes	Yes
	Auto Restart	Yes	Yes
	Auto Grille	No	No
Operating Mode	2-Step Cooling	No	No
	Fast Cool	No	No
	Comfort Cool	No	No
	Turbo Mode	Yes	Yes
	Dlight Cool	No	No
	Good Sleep	Yes	Yes
	Dehumidification	Yes	Yes
	Fan Mode	Yes	Yes
	Quiet	Yes	Yes
	Mood Lighting	No	No

FJM High Wall (Boracay)

SPECIFICATIONS
AR07/09/12KSFHBWKN/ET, AR18/24KSFHBWKN/EU



Model Code		AR07KSFHBWKN/EU	AR09KSFHBWKN/ET	AR12KSFHBWKN/ET	AR18KSFHBWKN/EU	AR24KSFHBWKN/EU
Capacity	Capacity (Cooling, Btu/hr)	6824.0 Btu/hr	8530.0 Btu/hr	11942 Btu/hr	17060 Btu/hr	23200 Btu/hr
	Capacity (Heating, Btu/hr)	7506.0 Btu/hr	10920.0 Btu/hr	11942 Btu/hr	20470 Btu/hr	26270 Btu/hr
	Capacity (Cooling, Min - Max, Btu/hr)	-	3753~11260 Btu/hr	3753~13648 Btu/hr	5459~23884 Btu/hr	6142~27296 Btu/hr
	Capacity (Heating, Min - Max, Btu/hr)	-	3583~15013 Btu/hr	3583~16378 Btu/hr	4094~24566 Btu/hr	4436~27978 Btu/hr
	Capacity (Cooling, kW)	2.0 kW	2.5 kW	3.5 kW	5.0 kW	6.8 kW
	Capacity (Heating, kW)	2.2 kW	3.2 kW	3.5 kW	6.0 kW	7.7 kW
	Capacity (Cooling, Min - Max, kW)	-	1.10~3.30 kW	1.10~4.00 kW	1.60~7.00 kW	1.8~8.0 kW
	Capacity (Heating, Min - Max, kW)	-	1.05~4.40 kW	1.05~4.80 kW	1.20~7.20 kW	1.3~8.2 kW
Energy Efficiency	Annual electricity consumption (cooling, kWh/annum)	-	143 kWh/annum	201 kWh/annum	261 kWh/annum	390 kWh/annum
	Annual electricity consumption (heating, kWh/annum)	-	811 kWh/annum	811 kWh/annum	1547 kWh/annum	1658 kWh/annum
	EER (Cooling, W/W)	-	3.21 W/W	2.76 W/W	3.5 W/W	3.01 W/W
	COP (Heating, W/W)	-	3.52 W/W	3.50 W/W	3.45 W/W	3.01 W/W
	Energy Efficiency Class for cooling (W/W)	-	6.1	6.1	6.7	6.1
	Energy Efficiency Class for cooling (Grade)	-	A++	A++	A++	A++
	Energy Efficiency Class for heating in 'Average' heating season (W/W)	-	3.8	3.8	3.8	3.8
	Energy Efficiency Class for heating in 'Average' heating season (Grade)	-	A	A	A	A
Noise Level	Sound Pressure (Indoor, High/Low, dBA)	33 / 23 dBA	38 / 21 dBA	42 / 21 dBA	42 / 25 dBA	44 / 28 dBA
	Sound Pressure (Outdoor, High/Low, dBA)	-	46 dBA	48 dBA	51 dBA	52 dBA
	Sound Power (Indoor, High, dBA)	56 dBA	56 dBA	59 dBA	58 dBA	63 dBA
	Sound Power (Outdoor, High, dBA)	-	63 dBA	65 dBA	65 dBA	69 dBA
Electrical Data	Power Source (Φ/V/Hz)	1 / 220 - 240 / 50	1phase/ 220-240V/ 50Hz	1phase/ 220-240V/ 50Hz	1phase/ 220-240V/ 50Hz	1phase/ 220-240V/ 50Hz
	Power Consumption (Cooling, W)	30 W	780 W	1270 W	1430 W	2260 W
	Power Consumption (Heating, W)	30 W	910 W	1000 W	1740 W	2560 W
	Operating Current (Cooling, A)	0.3 A	3.6 A	5.6 A	6.3 A	10.0 A
	Operating Current (Heating, A)	0.3 A	4.1 A	4.4 A	7.7 A	11.2 A
Physical Specification	Net Dimension (Indoor, WxHxD, mm)	820*285*227 mm	820*285*227 mm	820*285*227 mm	1065*298*243 mm	1065*298*243 mm
	Net Dimension (Outdoor, WxHxD, mm)	-	660*475*242 mm	660*475*242 mm	880*793*310 mm	880*793*310 mm
	Net Weight (Indoor, kg)	8.2 kg	8.2 kg	8.2 kg	11.5 kg	11.5 kg
	Net Weight (Outdoor, kg)	-	22.5 kg	22.5 kg	52.5 kg	52.5 kg
Technical Information	Piping Length (Max, m)	-	15.0 m	15.0 m	30.0 m	30.0 m
	Piping Height (Max, m)	-	8.0 m	8.0 m	15.0 m	15.0 m
	SVC Valve (Liquid (ODxL))	6.35*5	6.35*5	6.35*5	6.35*5	6.35*5
	SVC Valve (Gas (ODxL))	9.52*5	9.52*5	9.52*5	12.70*5	15.88*5
	Moisture Removal (l/hr)	-	0.9 l/hr	1.2 l/hr	1.8 l/hr	2.4 l/hr
	Air Circulation (Cooling, m^3/min)	-	10.5 m^3/min	11.5 m^3/min	18.0 m^3/min	20.0 m^3/min
	Refrigerant (Charging, g)	-	880 g	880 g	1450 g	1450 g
	Low Ambient (Cooling, °C)	-	-5 ~ 46 °C	-5 ~ 46 °C	-10 ~ 46 °C	-10 ~ 46 °C
	Low Ambient (Heating, °C)	-	-10 ~ 24 °C	-10 ~ 24 °C	-15 ~ 24 °C	-15 ~ 24 °C
	Outdoor Unit (Compressor Type)	-	BLDC	BLDC	BLDC	BLDC
	Outdoor Unit (Anti-Corrosion Fin)	-	Yes	Yes	Yes	Yes
	Refrigerant (Type)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)	R410A (Fluorinated greenhouse gas, GWP>150)
Air Flow	Air Direction Control (Up/Down)	Auto	Auto	Auto	Auto	Auto
	Air Direction Control (Left/Right)	Manual	Manual	Manual	Manual	Manual
	Air Flow Control Step (Cool/Fan)	-	-	-	-	-
Air Purification	Full HD Filter	3 Care Filter (HD 60)	3 Care Filter (HD 60)	3 Care Filter (HD 60)	3 Care Filter (HD 60)	3 Care Filter (HD 60)
	Allergy Care	Yes	Yes	Yes	Yes	Yes
	Anti-Bacteria	Yes	Yes	Yes	Yes	Yes
	Auto Clean (Self-Cleaning)	Yes	Yes	Yes	Yes	Yes
Convenience	24-Hour Timer	Yes	Yes	Yes	Yes	Yes
	Auto Changeover	-	Yes	Yes	Yes	Yes
	Auto Restart	Yes	Yes	Yes	Yes	Yes
Operating Mode	2-Step Cooling	Yes	Yes	Yes	Yes	Yes
	Fast Cool	Yes	Yes	Yes	Yes	Yes
	Comfort Cool	Yes	Yes	Yes	Yes	Yes
	Good Sleep	Yes	Yes	Yes	Yes	Yes
	Single User Mode	-	Yes	Yes	Yes	Yes
	Dehumidification	Yes	Yes	Yes	Yes	Yes
	Fan Mode	Yes	Yes	Yes	Yes	Yes
	Quiet	Yes	Yes	Yes	Yes	Yes

FJM Slim 1-Way Cassette

SPECIFICATIONS

MH026/35FSEA



Model Code		MH026FSEA	MH035FSEA
Features	Type	1-Way Cassette	1-Way Cassette
Model Name	Indoor Unit	MH026FSEA	MH035FSEA
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	2.60 kW	3.50 kW
	Cooling [Btu/h]	8,900 Btu/h	11,900 Btu/h
	Heating [kW]	2.90 kW	3.80 kW
	Heating [Btu/h]	9,900 Btu/h	13,000 Btu/h
Power Input (Nominal)	Cooling [W]	45.00 W	50.00 W
	Heating [W]	45.00 W	50.00 W
Current Input (Nominal)	Cooling	0.23 A	0.25 A
	Heating	0.23 A	0.25 A
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	80 x 1 W	80 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	6.20/5.20/4.20 CMM	7.60/6.60/5.60 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	103.33/86.67/70.00	126.67/110.00/93.33
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq	- mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa	- Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	9.52 mm
	Gas Pipe (Φ, inch)	3/8"	3/8"
	Drain Pipe (Φ,mm)	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	30.0/28.0/25.0 dBA	32.0/30.0/27.0 dBA
	Sound Power	53.0 dBA	53.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	10.5 kg	10.5 kg
	Shipping Weight (kg)	13.5 kg	13.5 kg
	Net Dimensions (WxHxD) (mm)	970 x 135 x 410 mm	970 x 135 x 410 mm
	Shipping Dimensions (WxHxD) (mm)	1164 x 212 x 478 mm	1164 x 212 x 478 mm
Panel Size	Panel Model	PSSMA	PSSMA
	Panel Net Weight (kg)	3 kg	3 kg
	Shipping Weight (kg)	5 kg	5 kg
	Net Dimensions (WxHxD) (mm)	1180 x 25 x 460 mm	1180 x 25 x 460 mm
	Shipping Dimensions (WxHxD) (mm)	1259 x 144 x 539 mm	1259 x 144 x 539 mm

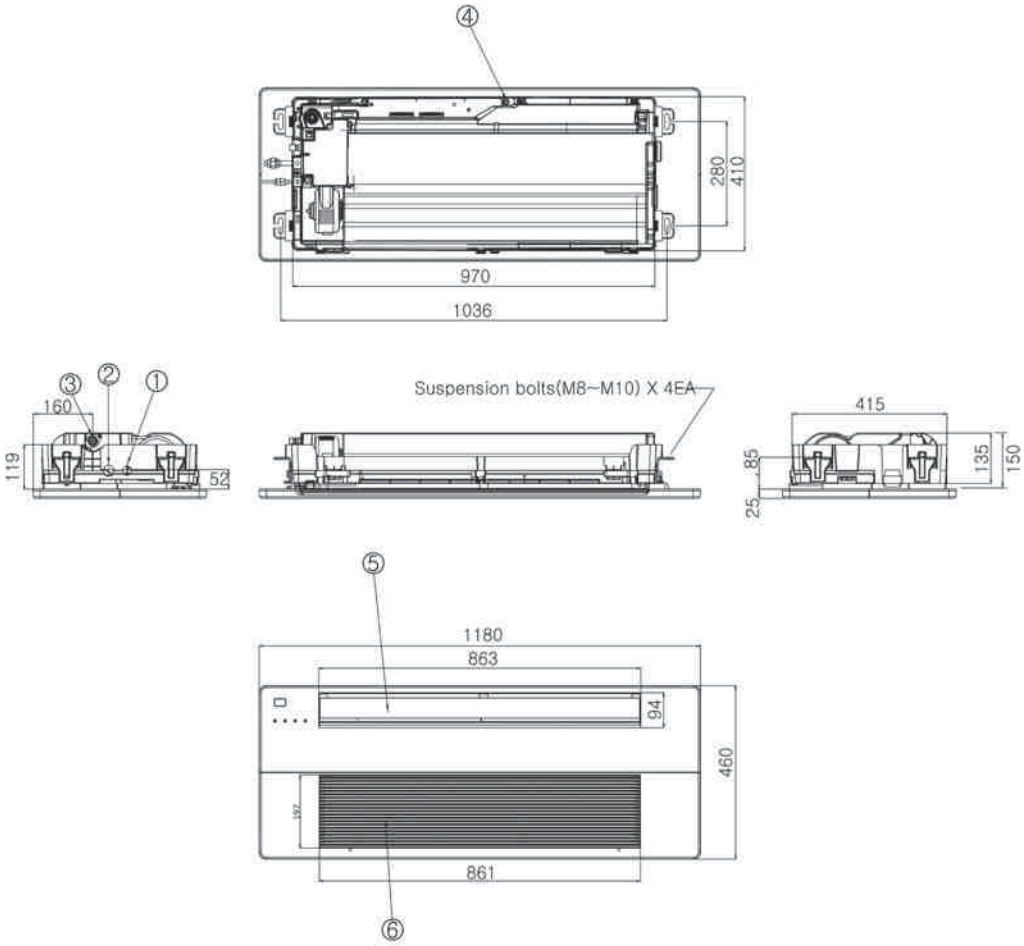
FJM Slim 1-Way Cassette

DIMENSIONAL DRAWINGS

MH026/35FSEA



Units: mm



No.	Name	Description	
		2.6kW	3.5kW
1	Liquid pipe connection	Ø6.35 Flare	
2	Gas pipe connection	Ø9.52 Flare	
3	Drain pipe connection	VP20 (OD 26, ID 20)	
4	Conduit for power supply and communication wiring	-	
5	Air outlet louver	-	
6	Air inlet grille	-	
7	Panel model	PSSMA	

FJM Mini 4-Way Cassette S

SPECIFICATIONS

AJN016/20/26/35/52NDEHA/EU



Model Code		AJN016NDEHA/EU	AJN020NDEHA/EU	AJN026NDEHA/EU	AJN035NDEHA/EU	AJN052NDEHA/EU
Features	Type	4-Way Cassette S (600x600)	4-Way Cassette S (600x600)	4-Way Cassette S (600x600)	4-Way Cassette S (600x600)	4-Way Cassette S (600x600)
Model Name	Indoor Unit	AJN016NDEHA/EU	AJN020NDEHA/EU	AJN026NDEHA/EU	AJN035NDEHA/EU	AJN052NDEHA/EU
Power Supply (Indoor Unit) [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
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	1.60 kW	2.00 kW	2.60 kW	3.50 kW	5.20 kW
	Cooling [Btu/h]	5,500 Btu/h	6,800 Btu/h	8,900 Btu/h	11,900 Btu/h	17,700 Btu/h
	Heating [kW]	2.00 kW	2.20 kW	2.90 kW	3.80 kW	5.60 kW
	Heating [Btu/h]	6,800 Btu/h	7,500 Btu/h	9,900 Btu/h	13,000 Btu/h	19,100 Btu/h
Power Input (Nominal)	Cooling [W]	19.00 W	19.00 W	19.00 W	22.00 W	28.00 W
	Heating [W]	19.00 W	19.00 W	19.00 W	22.00 W	28.00 W
Current Input (Nominal)	Cooling	0.51 A	0.51 A	0.51 A	0.52 A	0.53 A
	Heating	0.51 A	0.51 A	0.51 A	0.52 A	0.53 A
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output) [W]	65 x 1 W	65 x 1 W	65 x 1 W	65 x 1 W	65 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	9.90/8.20/6.90 CMM	9.90/8.20/6.90 CMM	9.90/8.20/6.90 CMM	10.70/9.00/7.40 CMM	10.70/9.00/7.40 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	165.00/136.67/115.00	165.00/136.67/115.00	165.00/136.67/115.00	178.33/150.00/123.33	178.33/150.00/123.33
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq	- mmAq	- mmAq	- mmAq	- mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa	- Pa	- Pa	- Pa	- Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm	9.52 mm	12.70 mm
	Gas Pipe (Φ, inch)	3/8"	3/8"	3/8"	3/8"	1/2"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1	1	1	1	1
	Transmission Cable	0.75 ~ 1	0.75 ~ 1	0.75 ~ 1	0.75 ~ 1	0.75 ~ 1
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	33.0/29.0/24.0 dBA	33.0/29.0/24.0 dBA	34.0/30.0/25.0 dBA	36.0/33.0/29.0 dBA	40.0/36.0/32.0 dBA
	Sound Power	47.0 dBA	47.0 dBA	47.0 dBA	49.0 dBA	55.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	11.40 kg	11.00 kg	11.40 kg	12.00 kg	11.8 kg
	Shipping Weight (kg)	13.40 kg	13.00 kg	13.40 kg	13.40 kg	13.8 kg
	Net Dimensions (WxHxD) (mm)	575 x 250 x 575 mm	575 x 250 x 575 mm	575 x 250 x 575 mm	575 x 250 x 575 mm	575 x 250 x 575 mm
	Shipping Dimensions (WxHxD) (mm)	623 x 298 x 653 mm	623 x 298 x 653 mm	623 x 298 x 653 mm	623 x 298 x 653 mm	623 x 298 x 653 mm
Panel Size	Panel Model	PC4SUSMB	PC4SUSMB	PC4SUSMB	PC4SUSMB	PC4SUSMB
	Panel Net Weight (kg)	2.70 kg	2.70 kg	2.70 kg	2.70 kg	2.70 kg
	Shipping Weight (kg)	4.20 kg	4.20 kg	4.20 kg	4.20 kg	4.20 kg
	Net Dimensions (WxHxD) (mm)	670 x 45 x 670 mm	670 x 45 x 670 mm	670 x 45 x 670 mm	670 x 45 x 670 mm	670 x 45 x 670 mm
	Shipping Dimensions (WxHxD) (mm)	714 x 106 x 724 mm	714 x 106 x 724 mm	714 x 106 x 724 mm	714 x 106 x 724 mm	714 x 106 x 724 mm

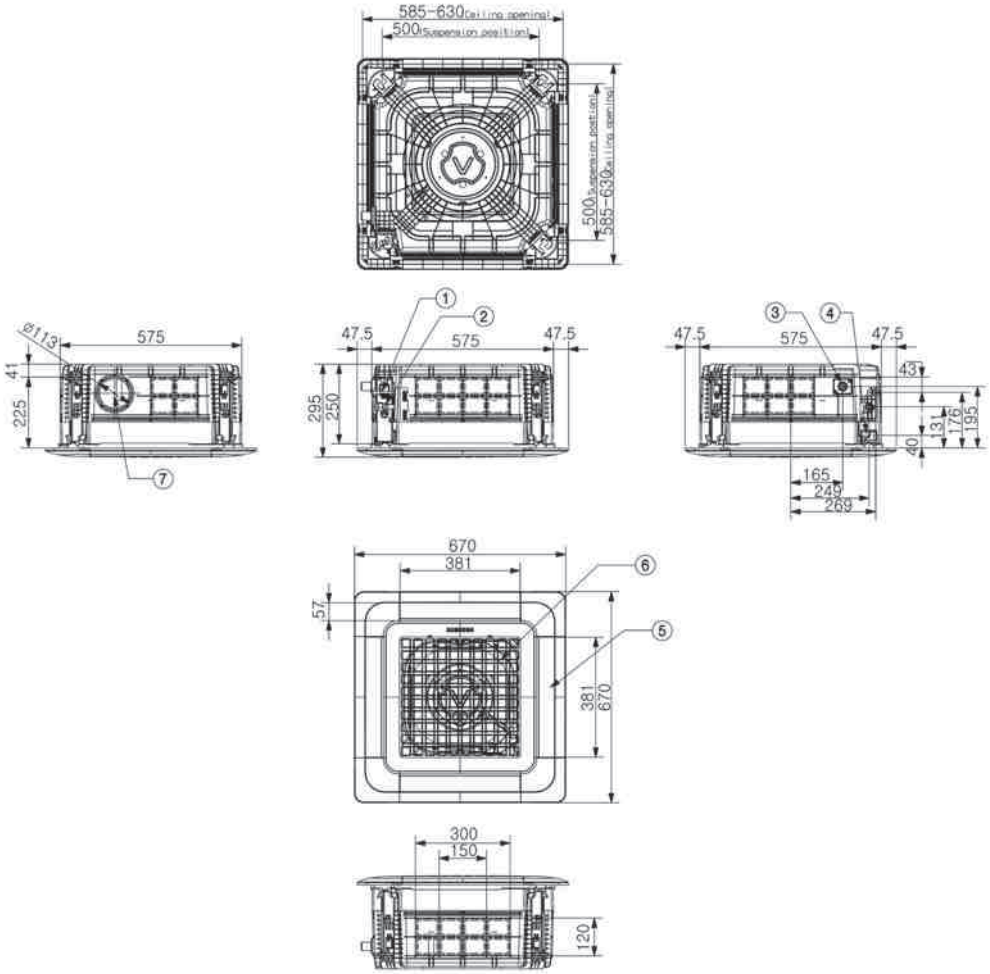
FJM Mini 4-Way Cassette S

DIMENSIONAL DRAWINGS

AJN016/20/26/35/52NDEHA/EU



Units: mm



No.	Name	Description				
		1.6kW	2.0kW	2.6kW	3.5kW	5.2kW
1	Liquid pipe connection	Ø6.35 Flare				
2	Gas pipe connection	Ø9.52 Flare				Ø12.70 Flare
3	Drain pipe connection	VP25 (OD 32, ID 25)				
4	Conduit for power supply and communication wiring	-				
5	Air outlet louver	-				
6	Air inlet grille	-				
87	Fresh air intake	Ø100				

FJM Slim Duct

SPECIFICATIONS

NJ026/35LHXEA



Model Code		NJ026LHXEA	NJ035LHXEA
Features	Type	Slim Duct	Slim Duct
Model Name	Indoor Unit	NJ026LHXEA	NJ035LHXEA
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	2.60 kW	3.50 kW
	Cooling [Btu/h]	8,900 Btu/h	11,900 Btu/h
	Heating [kW]	2.90 kW	3.80 kW
	Heating [Btu/h]	9,900 Btu/h	13,000 Btu/h
Power Input (Nominal)	Cooling [W]	80.00 W	80.00 W
	Heating [W]	80.00 W	80.00 W
Current Input (Nominal)	Cooling	0.40 A	0.40 A
	Heating	0.40 A	0.40 A
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	80 x 1 W	80 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	8.60/7.60/6.60 CMM	9.80/8.80/7.80 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	143.33/126.67/110.00	163.33/146.67/130.00
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/2.00/4.00 mmAq	0.00/2.00/4.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/19.61/39.23 Pa	0.00/19.61/39.23 Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	9.52 mm
	Gas Pipe (Φ, inch)	3/8"	3/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	30.0/28.0/25.0 dBA	32.0/30.0/27.0 dBA
	Sound Power	53.0 dBA	53.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	24 kg	24 kg
	Shipping Weight (kg)	32 kg	32 kg
	Net Dimensions (WxHxD) (mm)	900 x 199 x 600 mm	900 x 199 x 600 mm
	Shipping Dimensions (WxHxD) (mm)	1150 x 280 x 710 mm	1150 x 280 x 710 mm
Additional Accessory	Drain Pump	MDP-E075SEE3	MDP-E075SEE3

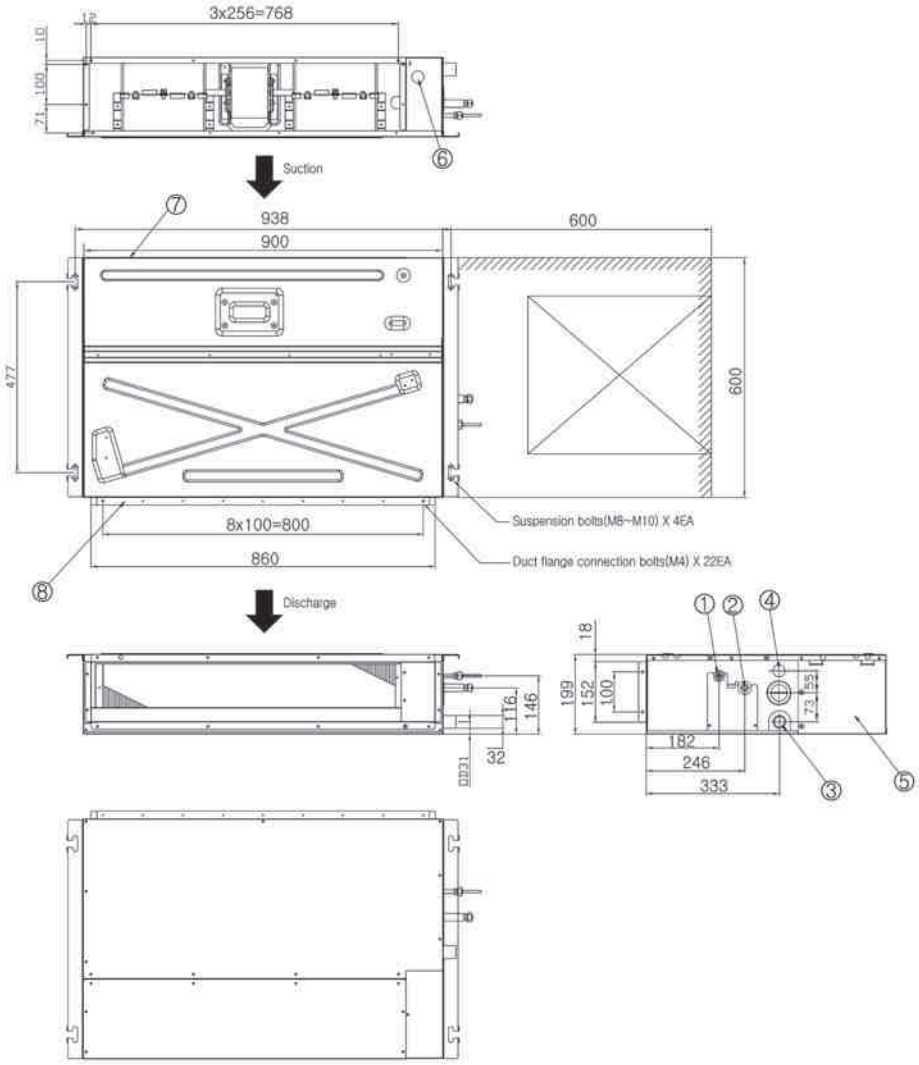
FJM Slim Duct

DIMENSIONAL DRAWINGS

NJ026/35LHXEA



Units: mm

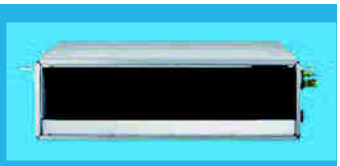


No.	Name	Description	
		2.6kW	3.5kW
1	Liquid pipe connection	Ø6.35 Flare	
2	Gas pipe connection	Ø9.52 Flare	
3	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID 25)	
4	Drain pipe connection with optional drain pump kits	-	
5	Control unit	-	
6	Conduit for power supply and communication wiring	-	
7	Return air side	-	
8	Air outlet duct flange	-	

FJM MSP Duct

SPECIFICATIONS

MH052FUEA

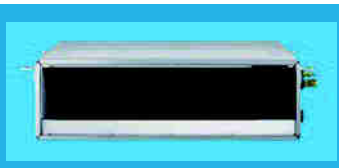


Model Code		MH052FUEA
Features	Type	MSP Duct
Model Name	Indoor Unit	MH052FUEA
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
System	Mode	HEAT PUMP
Capacity	Cooling [kW]	5.20 kW
	Cooling [Btu/h]	17,700 Btu/h
	Heating [kW]	5.6 kW
	Heating [Btu/h]	19,100 Btu/h
Power Input (Nominal)	Cooling [W]	170.00 W
	Heating [W]	170.00 W
Current Input (Nominal)	Cooling	1.04 A
	Heating	1.04 A
Fan	Type	Sirocco Fan
	Motor (Output) [W]	124 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	16.30/15.00/13.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	271.67/250.00/225.00
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/4.00/8.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/39.23/78.45 Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"
	Gas Pipe (Φ, mm)	12.70 mm
	Gas Pipe (Φ, inch)	1/2"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	EEV NOT INCLUDED
Sound	Sound Pressure	37.0/35.0/33.0 dBA
	Sound Power	59.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	29.00 kg
	Shipping Weight (kg)	34.00 kg
	Net Dimensions (WxHxD) (mm)	900 x 260 x 480 mm
	Shipping Dimensions (WxHxD) (mm)	1146 x 363 x 584 mm
Additional Accessory	Drain Pump	MDP-M075SGU3

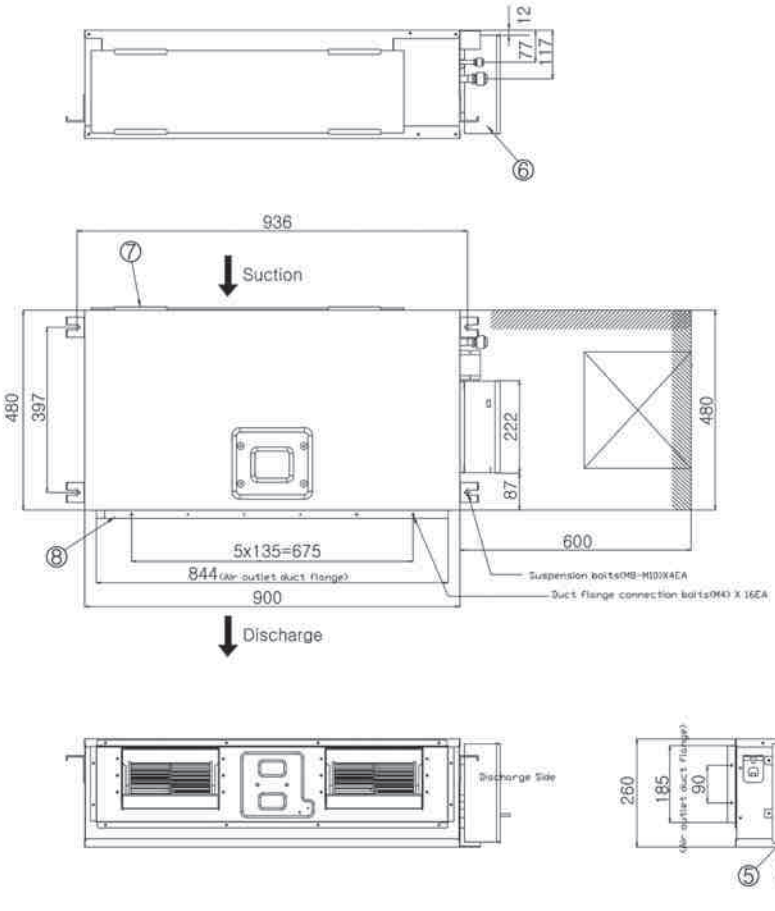
FJM MSP Duct

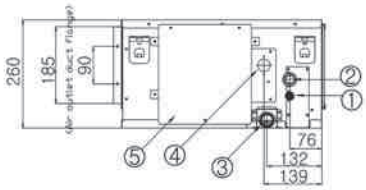
DIMENSIONAL DRAWINGS

MH052FUEA



Units: mm





No.	Name	Description
		5.2kW
1	Liquid pipe connection	Ø6.35 Flare
2	Gas pipe connection	Ø12.70 Flare
3	Drain pipe connection without optional drain pump kits	VP25 (OD 32, ID25)
4	Drain pipe connection with optional drain pump kits	-
5	Control unit	-
6	Conduit for power supply and communication wiring	-
7	Return air side	-
8	Air outlet duct flange	-

FJM Console

SPECIFICATIONS
MH035/52FJEA



Model Code		MH035FJEA	MH052FJEA
Features	Type	Console	Console
Model Name	Indoor Unit	MH035FJEA	MH052FJEA
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	3.50 kW	5.20 kW
	Cooling [Btu/h]	11,900 Btu/h	17,700 Btu/h
	Heating [kW]	3.80 kW	5.60 kW
	Heating [Btu/h]	13,000 Btu/h	19,100 Btu/h
Power Input (Nominal)	Cooling [W]	35.00 W	50.00 W
	Heating [W]	35.00 W	50.00 W
Current Input (Nominal)	Cooling	0.29 A	0.35 A
	Heating	0.29 A	0.35 A
Fan	Type	Turbo Fan	Turbo Fan
	Motor (Output) [W]	37 x 1 W	37 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	10.50/9.30/8.20 CMM	11.20/9.90/8.60 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	175.00/155.00/136.67	186.67/165.00/143.33
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq	- mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa	- Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	12.70 mm
	Gas Pipe (Φ, inch)	3/8"	1/2"
	Drain Pipe (Φ,mm)	VP18 (OD 19,ID 16) mm	VP18 (OD 19,ID 16) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	39.0/32.0/24.0 dBA	44.0/34.0/25.0 dBA
	Sound Power	59.0 dBA	59 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	15.2 kg	15.2 kg
	Shipping Weight (kg)	20.3 kg	20.5 kg
	Net Dimensions (WxHxD) (mm)	720 x 620 x 199 mm	720 x 620 x 199 mm
	Shipping Dimensions (WxHxD) (mm)	810 x 710 x 299 mm	810 x 710 x 299 mm

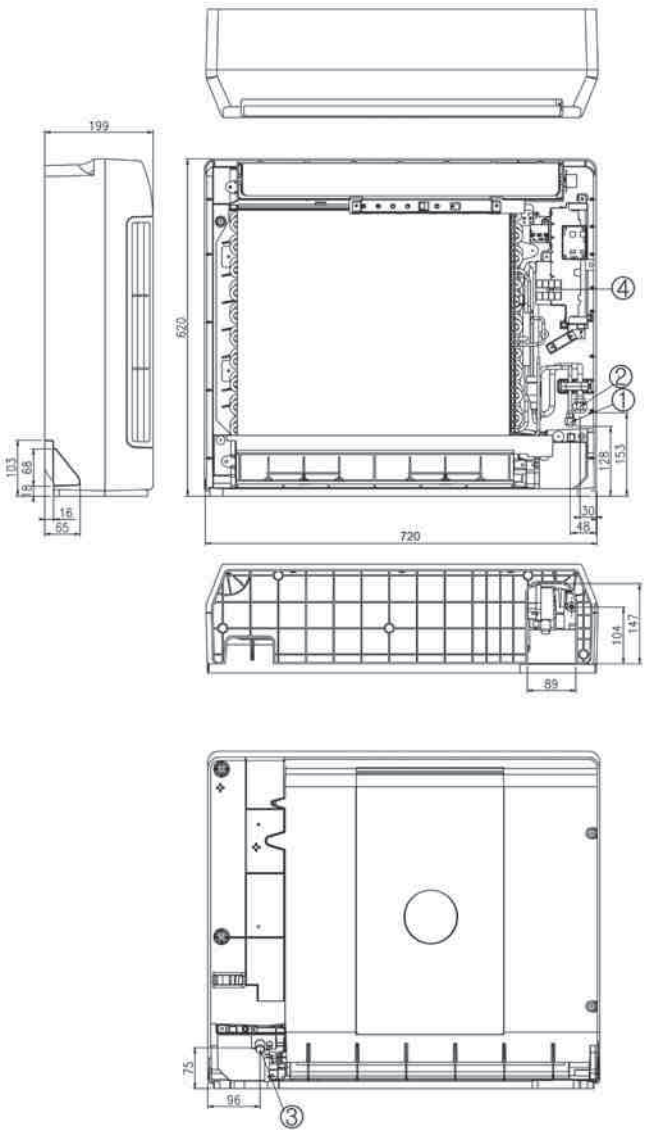
FJM Console

DIMENSIONAL DRAWINGS

MH035/52FJEA



Units: mm



No.	Name	Description		
		2.6kW	3.5kW	5.2kW
1	Liquid pipe connection	Ø6.35 Flare		
2	Gas pipe connection	Ø9.52 Flare		Ø12.70 Flare
3	Drain pipe connection	ID18 Hose		
4	Conduit for power supply and communication wiring	-		

FJM Outdoor Unit

SPECIFICATIONS

AJ040/50FCJ2EH/EU



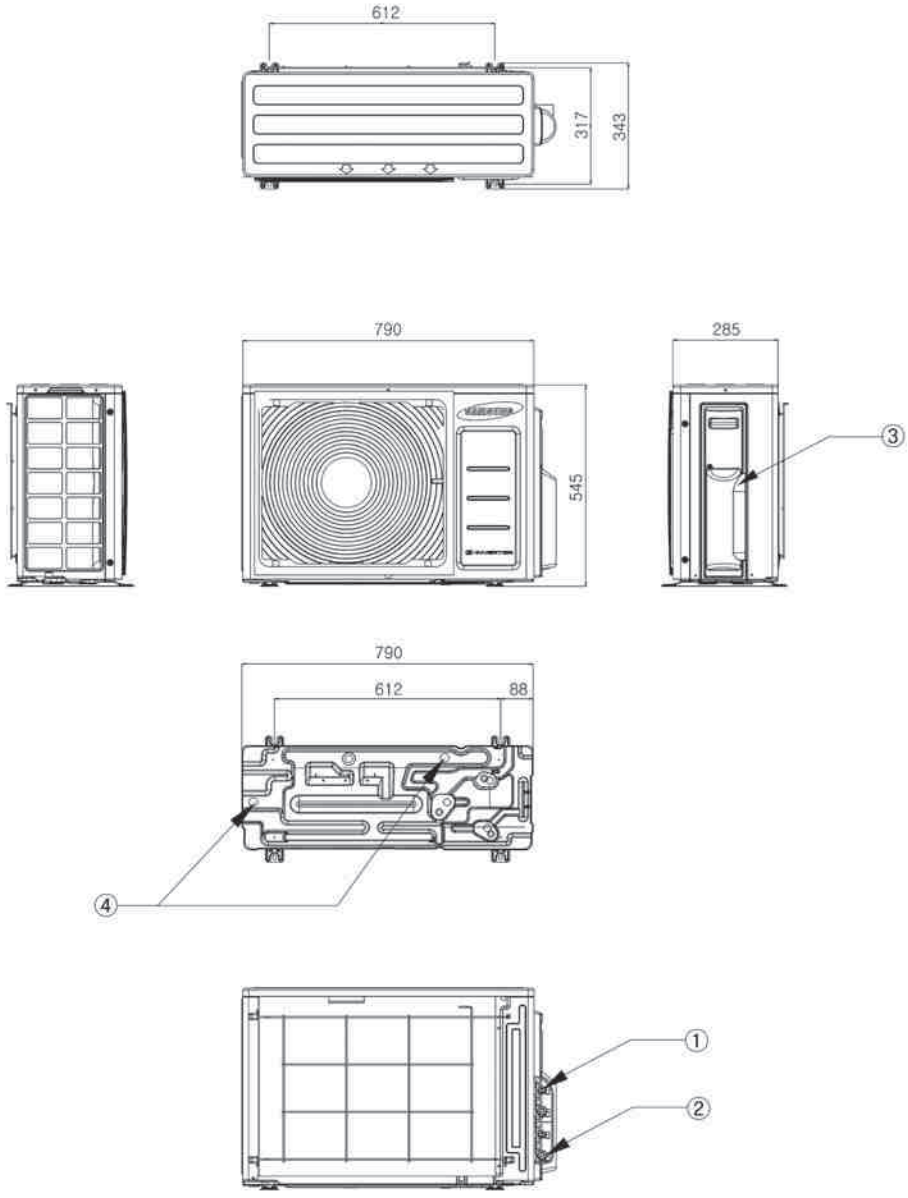
Model Code		AJ040FCJ2EH/EU	AJ050FCJ2EH/EU
Features	Type	Free Joint Multi	Free Joint Multi
Model Name	Outdoor Unit	AJ040FCJ2EH/EU	AJ050FCJ2EH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HEAT PUMP	HEAT PUMP
Performance (nominal)		1.50 HP HP	1.80 HP HP
Capacity	Cooling [kW]	4.00 kW kW	5.00 kW kW
	Cooling [Btu/h]	13,600 Btu/h Btu/h	17,100 Btu/h Btu/h
	Heating [kW]	4.40 kW kW	5.70 kW kW
	Heating [Btu/h]	15,000 Btu/h Btu/h	19,400 Btu/h Btu/h
Power Input (Nominal)	Cooling	1.02 kW kW	1.32 kW kW
	Heating	0.99 kW kW	1.35 kW kW
Current Input (Nominal)	Cooling	4.70 A A	6.00 A A
	Heating	4.50 A A	6.20 A A
Power	MCA [A]	9.80 (MCA) A A	11.80 (MCA) A A
	MFA [A]	11.25 A A	13.75 A A
Energy Efficiency	EER (Nominal Cooling)	3.92	3.79
	COP (Nominal Heating)	4.44	4.22
	Energy Grade (Cooling)	A++	A++
	Energy Grade (Heating)	A+	A+
Compressor	Type	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1
	Output (kW)	4.454 kW kW	4.454 kW kW
	Model	UG4T150FUDJQDO x 1	UG4T150FUDJQDO x 1
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	650 cc cc	650 cc cc
Fan	Type	Propeller Fan/BLDC	Propeller Fan/BLDC
	Motor (Output) [W]	35.0 x 1 W W	35.0 x 1 W W
	Air Flow Rate (High / Mid / Low) [CMM]	29.65 CMM CMM	33.05 CMM CMM
	Air Flow Rate (High / Mid / Low) [L/S]	494.17	550.83
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq mmAq	- mmAq mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa Pa	- Pa Pa
Piping Connections	Liquid Pipe (Ø,mm x EA)	6.35 x 2	6.35 x 2
	Liquid Pipe (Ø,inch x EA)	1/4" x 2	1/4" x 2
	Gas Pipe (Ø,mm x EA)	9.52 x 2	9.52 + 12.70
	Gas Pipe (Ø,inch x EA)	3/8" x 2	3/8" + 1/2"
	Installation Max. Height [m]	20 m m	20 m m
	Installation Max. Height [m]	15 m m	15 m m
Field Wiring	Power Source Wire	2.5 ~ 2.5	2.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.0	0.75 ~ 1.0
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	1.3 kg	1.6 kg
Sound	Sound Pressure	45.0 dBA dBA	46.0 dBA dBA
	Sound Power	61.0 dBA dBA	61.0 dBA dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	37.9 kg	40 kg
	Shipping Weight (kg)	40.9 kg	43 kg
	Net Dimensions (WxHxD) (mm)	790 x 545 x 285 mm mm	790 x 545 x 285 mm mm
	Shipping Dimensions (WxHxD) (mm)	926 x 599 x 382 mm mm	926 x 599 x 382 mm mm
Operating Temp. Range	Cooling (°C)	-5.0 ~ 46.0 °C	-5.0 ~ 46.0 °C
	Heating (°C)	-15.0 ~ 24.0 °C	-15.0 ~ 24.0 °C

FJM Outdoor Unit

DIMENSIONAL DRAWINGS
AJ040/50FCJ2EH/EU



Units: mm



No.	Name	Description	
		4.0kW	5.0kW
1	Liquid pipe connection	Ø6.35 (x 2) Flare	
2	Gas pipe connection	Ø9.52 (x 2) Flare	Ø9.52, Ø12.70 Flare
3	Power and communication wiring conduit	-	
4	Drain pipe	-	

FJM Outdoor Unit

SPECIFICATIONS

AJ052FCJ3EH/EU



Model Code		AJ052FCJ3EH/EU
Features	Type	Free Joint Multi
Model Name	Outdoor Unit	AJ052FCJ3EH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
System	Mode	HEAT PUMP
Performance (nominal)		2.00 HP HP
Capacity	Cooling [kW]	5.20 kW kW
	Cooling [Btu/h]	17,700 Btu/h Btu/h
	Heating [kW]	6.30 kW kW
	Heating [Btu/h]	21,500 Btu/h Btu/h
Power Input (Nominal)	Cooling	1.35 kW kW
	Heating	1.40 kW kW
Current Input (Nominal)	Cooling	6.20 A A
	Heating	6.40 A A
Power	MCA [A]	12.20 (MCA) A A
	MFA [A]	13.75 A A
Energy Efficiency	EER (Nominal Cooling)	3.85
	COP (Nominal Heating)	4.5
	Energy Grade (Cooling)	A++
	Energy Grade (Heating)	A+
Compressor	Type	Twin BLDC Rotary x 1
	Output (kW)	(1.79) kW kW
	Model	UG4T200FUAE4DO x 1
	Oil (Type)	POE
	Oil (Initial Charge) [cc]	650 cc cc
Fan	Type	Propeller Fan/BLDC
	Motor (Output) [W]	45.0 x 1 W W
	Air Flow Rate (High / Mid / Low) [CMM]	38.36 CMM CMM
	Air Flow Rate (High / Mid / Low) [L/S]	639.33
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa Pa
Piping Connections	Liquid Pipe (Ø,mm x EA)	6.35 x 3
	Liquid Pipe (Ø,inch x EA)	1/4" x 3
	Gas Pipe (Ø,mm x EA)	9.52 x 2 + 12.70
	Gas Pipe (Ø,inch x EA)	3/8" x 2 + 1/2"
	Installation Max. Height [m]	20 m m
	Installation Max. Height [m]	15 m m
Field Wiring	Power Source Wire	2.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.0
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	2.2 kg
Sound	Sound Pressure	46.0 dBA dBA
	Sound Power	61.0 dBA dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	49 kg
	Shipping Weight (kg)	53 kg
	Net Dimensions (WxHxD) (mm)	880 x 638 x 310 mm mm
	Shipping Dimensions (WxHxD) (mm)	1,053 x 695 x 413 mm mm
Operating Temp. Range	Cooling (°C)	-5.0 ~ 46.0 °C
	Heating (°C)	-15.0 ~ 24.0 °C

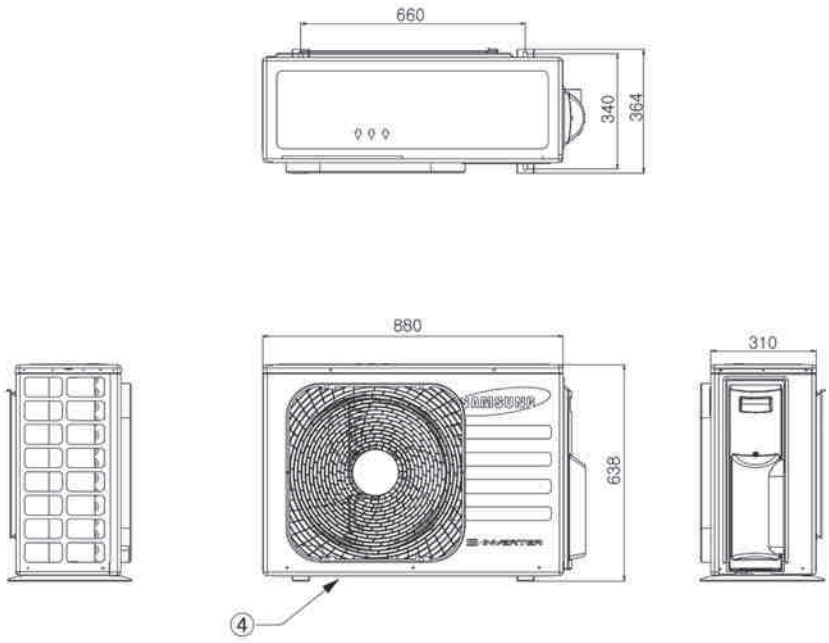
FJM Outdoor Unit

DIMENSIONAL DRAWINGS

AJ052FCJ3EH/EU



Units: mm



No.	Name	Description
		5.2kW
1	Liquid pipe connection	Ø6.35 (x 3) Flare
2	Gas pipe connection	Ø9.52 (x 2), Ø12.70 Flare
3	Power and communication wiring conduit	-
4	Drain pipe	-

FJM Outdoor Unit

SPECIFICATIONS

AJ068FCJ3EH/EU, AJ070/80FCJ4EH/EU



Model Code		AJ068FCJ3EH/EU	AJ070FCJ4EH/EU	AJ080FCJ4EH/EU
Features	Type	Free Joint Multi	Free Joint Multi	Free Joint Multi
Model Name	Outdoor Unit	AJ068FCJ3EH/EU	AJ070FCJ4EH/EU	AJ080FCJ4EH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance (nominal)		2.50 HP	2.50 HP	3.00 HP
Capacity	Cooling [kW]	6.80 kW	7.00 kW	8.00 kW
	Cooling [Btu/h]	23,200 Btu/h	23,900 Btu/h	27,300 Btu/h
	Heating [kW]	8.00 kW	8.60 kW	9.30 kW
	Heating [Btu/h]	27,300 Btu/h	29,300 Btu/h	31,700 Btu/h
Power Input (Nominal)	Cooling	2.00 kW	1.90 kW	2.30 kW
	Heating	1.91 kW	2.00 kW	2.20 kW
Current Input (Nominal)	Cooling	9.20 A	8.70 A	10.50 A
	Heating	8.70 A	9.20 A	10.10 A
Power	MCA [A]	15.50 (MCA) A	18.7 A	18.7 A
	MFA [A]	17.50 A	20.75 A	20.75 A
Energy Efficiency	EER (Nominal Cooling)	3.4	3.68	3.48
	COP (Nominal Heating)	4.19	4.3	4.23
	Energy Grade (Cooling)	A++	A+	A
	Energy Grade (Heating)	A+	A	A
Compressor	Type	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1
	Output (kW)	(1.79) kW	7.766 kW	7.766 kW
	Model	UG4T200FUAE4DO x 1	G8T260FUAEW x 1	G8T260FUAEW x 1
	Oil (Type)	POE	POE	POE
	Oil (Initial Charge) [cc]	650 cc	700 cc	700 cc
Fan	Type	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC
	Motor (Output) [W]	124.0 x 1 W	124.0 x 1 W	124.0 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	48 CMM	46.24 CMM	46.9 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	791.67	770.67	781.67
Piping Connections	Liquid Pipe (Ø,mm x EA)	6.35 x 3	6.35 x 4	6.35 x 4
	Liquid Pipe (Ø,inch x EA)	1/4" x 3	1/4" x 4	1/4" x 4
	Gas Pipe (Ø,mm x EA)	9.52 + 12.70 x 2	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 2
	Gas Pipe (Ø,inch x EA)	3/8" + 1/2" x 2	3/8" x 2 + 1/2" x 2	3/8" x 2 + 1/2" x 2
	Installation Max. Height [m]	20(25) m	25 m	25 m
	Installation Max. Height [m]	15.0(15.0) m	15 m	15 m
Field Wiring	Power Source Wire	2.5 ~ 2.5	2.5 ~ 2.5	2.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.0
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	2.20 kg	2.8 kg	2.8 kg
Sound	Sound Pressure	48.0 dBA	48.0 dBA	49.0 dBA
	Sound Power	63.0 dBA	63.0 dBA	63.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	57.0 kg	65.0 kg	65.0 kg
	Shipping Weight (kg)	61.0 kg	70.0 kg	70.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 798 x 310 mm	880 x 798 x 310 mm	880 x 798 x 310 mm
	Shipping Dimensions (WxHxD) (mm)	1,023 x 889 x 413 mm	1,023 x 889 x 413 mm	1,023 x 889 x 413 mm
Operating Temp. Range	Cooling (°C)	-5.0 ~ 46.0 °C	-5.0 ~ 46.0 °C	-5.0 ~ 46.0 °C
	Heating (°C)	-15.0 ~ 24.0 °C	-15.0 ~ 24.0 °C	-15.0 ~ 24.0 °C

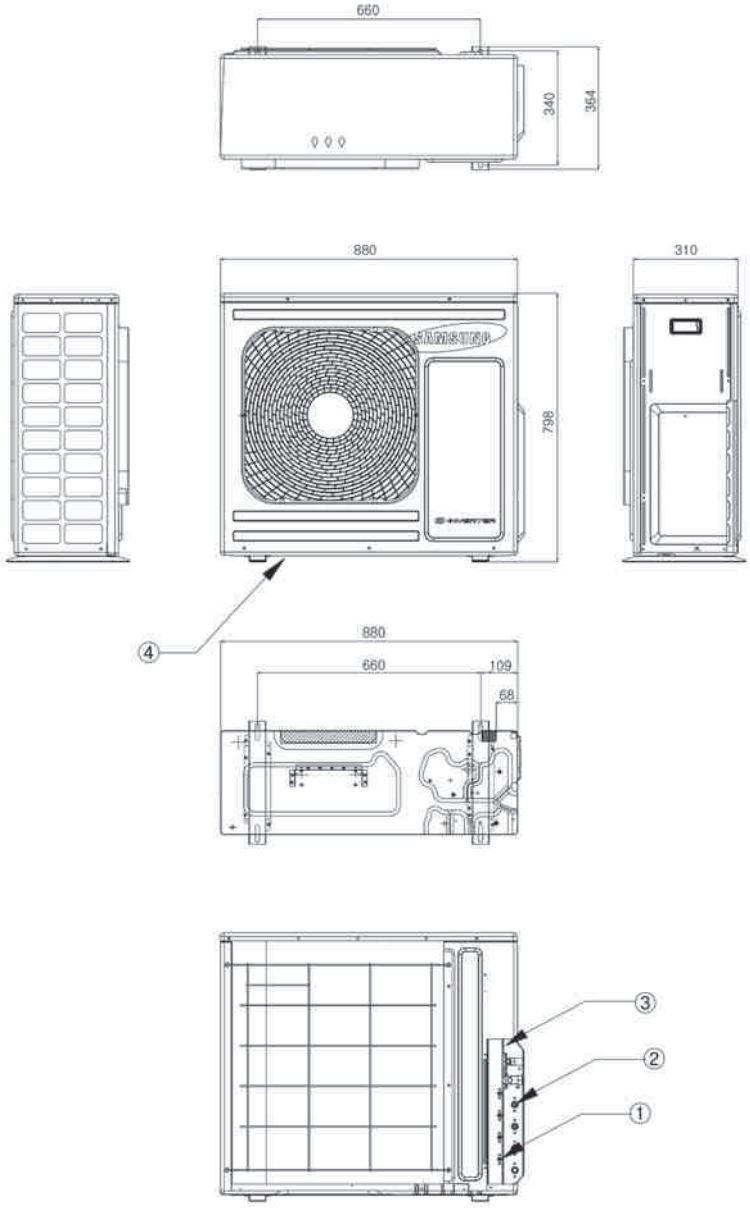
FJM Outdoor Unit

DIMENSIONAL DRAWINGS

AJ068FCJ3EH/EU, AJ070/80FCJ4EH/EU



Units: mm



No.	Name	Description		
		6.0kW	7.0kW	8.0kW
1	Liquid pipe connection	Ø6.35 (x 3) Flare	Ø6.35 (x 4) Flare	
2	Gas pipe connection	Ø9.52 (x 2), Ø12.70 Flare	Ø9.52 (x 2), Ø12.70 (x 2) Flare	
3	Power and communication wiring conduit	-		
4	Drain pipe	-		

FJM Outdoor Unit

SPECIFICATIONS

AJ100FCJ5EH/EU



Model Code		AJ100FCJ5EH/EU
Features	Type	Free Joint Multi
Model Name	Outdoor Unit	AJ100FCJ5EH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
System	Mode	HEAT PUMP
Performance (nominal)		3.50 HP
Capacity	Cooling [kW]	10.00 kW
	Cooling [Btu/h]	34,100 Btu/h
	Heating [kW]	12.00 kW kW
	Heating [Btu/h]	40,900 Btu/h
Power Input (Nominal)	Cooling	2.90 kW
	Heating	2.93 kW
Current Input (Nominal)	Cooling	13.30 A
	Heating	13.40 A
Power	MCA [A]	26.20 (MCA) A
	MFA [A]	28.80 A
Energy Efficiency	EER (Nominal Cooling)	3.45
	COP (Nominal Heating)	4.1
	Energy Grade (Cooling)	A++
	Energy Grade (Heating)	A+
Compressor	Type	Twin BLDC Rotary x 1
	Output (kW)	(9.17) kW
	Model	UG8T300FUBJUSG x 1
	Oil (Type)	POE
	Oil (Initial Charge) [cc]	1200 cc
Fan	Type	Propeller Fan/BLDC
	Motor (Output) [W]	125.0 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	71 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	-
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa
Piping Connections	Liquid Pipe (Ø,mm x EA)	6.35 x 5
	Liquid Pipe (Ø,inch x EA)	TBC
	Gas Pipe (Ø,mm x EA)	9.52 x 2 + 12.70 x 3
	Gas Pipe (Ø,inch x EA)	TBC
	Installation Max. Height [m]	25.0 m m
	Installation Max. Height [m]	15.0 m m
Field Wiring	Power Source Wire	-
	Transmission Cable	-
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	3.3 kg
Sound	Sound Pressure	54.0 dBA
	Sound Power	70.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	74.5 kg
	Shipping Weight (kg)	80.0 kg
	Net Dimensions (WxHxD) (mm)	940 x 998 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1,096 x 426 mm
Operating Temp. Range	Cooling (°C)	-10.0 ~ 46.0 °C
	Heating (°C)	-15.0 ~ 24.0 °C

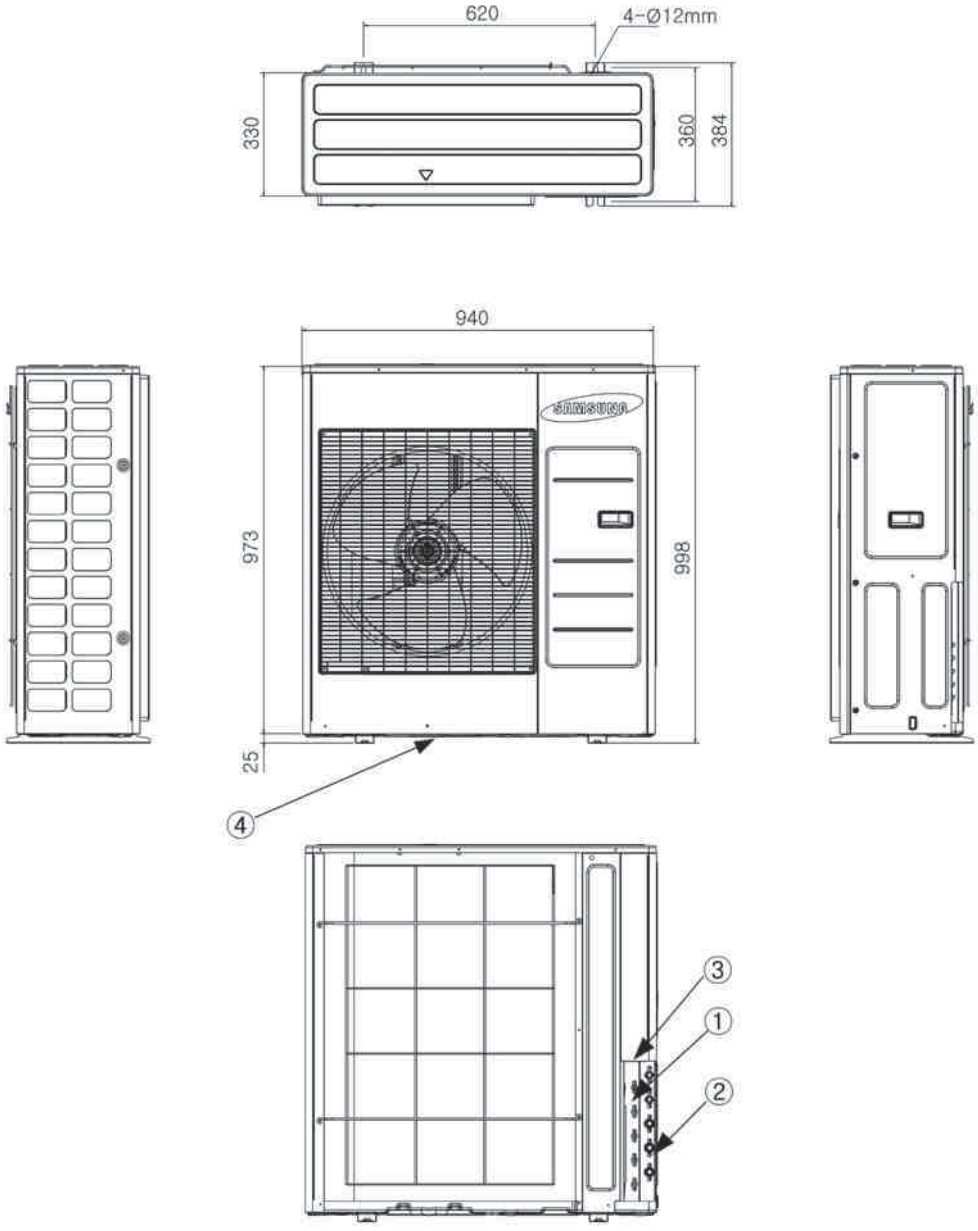
FJM Outdoor Unit

DIMENSIONAL DRAWINGS

AJ100FCJ5EH/EU



Units: mm



No.	Name	Description
		10.0kW
1	Liquid pipe connection	Ø6.35 (x 5) Flare
2	Gas pipe connection	Ø9.52 (x 2), Ø12.70 (x 5) Flare
3	Power and communication wiring conduit	-
4	Drain pipe	-

Commercial Air Conditioning (CAC)



CAC Outdoor Units

Line-up

Type	Phase \ Capacity	2.6kW	3.5kW	5.2kW	6.0kW	7.1kW
Smart Inverter	Premium 1-Phase					
	Premium 3-Phase					
	Deluxe 1-Phase					
	Deluxe 3-Phase					
R Inverter	1-Phase					

CAC Outdoor Units

Line-up

9.0kW	10.0kW	12.5kW	14.0kW	16.0kW	18.0kW	20.0kW
						
						
						

CAC Indoor Units

Line-up

Cassette

Model			Flagship	Premium 4-Way Cassette S	Deluxe	4-Way S (600x600)	Slim 1-Way
Capacity		2.6				●	●
		3.5				●	●
		5.2			●	●	
		6.0				●	
		7.1		●	●	●	
		9.0		●	●		
		10.0	●	●	●		
		12.5		●	●		
		14.0		●	●		
Features		Powerful Airflow	●	●	●	●	●
		Ceiling Dust Prevention	●	●	●	●	●
		Fresh Air Intake	●	●	●	●	
		High Lift-up Drain Pump	●	●	●	●	●
		Sub Duct	●	●	●	●	
		Virus Doctor (Optional)	●	●	●	●	
		Motion Detect Sensor (Optional)				●	
		Smart Wi-Fi (Optional)	●	●	●	●	

Console and Ceiling

Model			Console	Ceiling (old)	Ceiling (new)
Capacity		2.6	●		
		3.5	●		
		5.2	●	●	
		7.1		●	
		10			●
		12			●
		14			●
		16			●
Features		Virus Doctor	●		
		Interior Design	●	●	
		Anti-virus Filter	●	●	
		Lightweight Unit	●	●	
		Flexible Pipe Installation	●	●	

CAC Indoor Units

Line-up

Duct

Model			Deluxe MSP	Slim Line	Ducts HSP
					
Capacity (kW)	2.6			●	
	3.5		●	●	
	5.2		●	●	
	6		●		
	7.1		●	●	
	9		●		
	10		●		
	12		●		
	14		●		
	18				●
	20				●
Features		The Slimmest Design	●	●	●
		High Efficient H.E.X.	●	●	●
		Auto E.S.P Adjustment	●	●	
		3-Way Service	●	●	●
		Smart Pressure Control	●	●	●
		Easier Drain Pump Installation	●	●	●
		High Lift-up Drain Pump	●	●	●
		Pre-Filter	●	●	●
		Easy Filter Cleaning	●	●	●
		Virus Doctor (Optional)	●	●	●
		Smart Wi-Fi (Optional)	●	●	
		Zone Control (Optional)	●	●	●

Wall-Mounted – Premium

Model			 Maldives
Capacity	2.6		●
	3.5		●
	5.2		●
	7.1		●
Features		Full HD Filter	●
		Smart Inverter	●
		Good Sleep	●

CAC

Introduction

Overview

Samsung's Single Split unit is a smart choice for conserving both running costs and energy consumption. This economical outdoor unit employs advanced technologies to minimise waste and improve efficiency. By adopting smart inverter technology. Samsung Ceiling Air Conditioner (CAC) Single not only offers silent operation but also provides outstanding cooling and heating performance.



The Samsung CAC Single air conditioner system delivers optimal comfort, efficiency and performance with features such as:

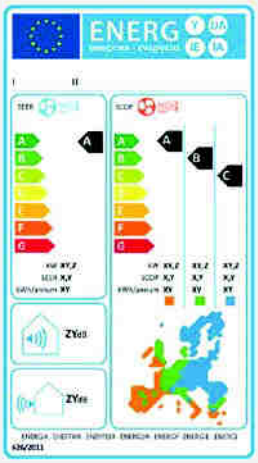
- World-class energy efficiency. Decrease energy consumption by up to 50% with a digital inverter system featuring an economical mode.
- Superior performance. Weather severe temperatures dependably and maximise comfort with wide temperature allowance.

CAC

World-class energy efficiency

Maintain Optimal Comfort and Control with Energy- and Cost-Efficient Technologies

Featuring a suite of energy-optimising technologies, Samsung CAC Single delivers top-class energy efficiency to support businesses in saving costs and the environment. Plus, CAC Single with its smart technologies fully complies with new European Union (EU) regulations for more efficient performance.



New Energy Label

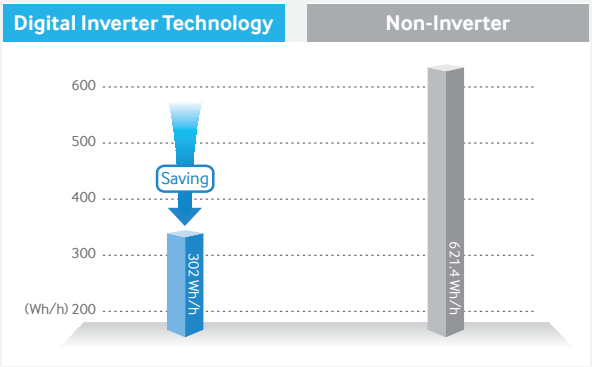
*Table 1: Introduction of revised energy consumption labelling for air conditioners as per EU Directive 2011/626/EU

Quick, Efficient Heating and Cooling

Smart inverter technology offers powerful, quick cooling and heating with minimal electricity consumption, which means real cost savings and less energy waste. The EU has established new regulations to drastically cut the power consumption of air conditioners. To further support this initiative, the EU is introducing an improved energy labeling system to provide consumers a better idea of how much electricity their units consume.

Up to 50% Less Energy Use

After reaching the set temperature, the digital inverter air conditioner changes its operation mode to economical. By avoiding inefficient and frequent switching on and off of the compressor, the digital inverter saves up to 50% in energy consumption compared to non-inverter air conditioners.

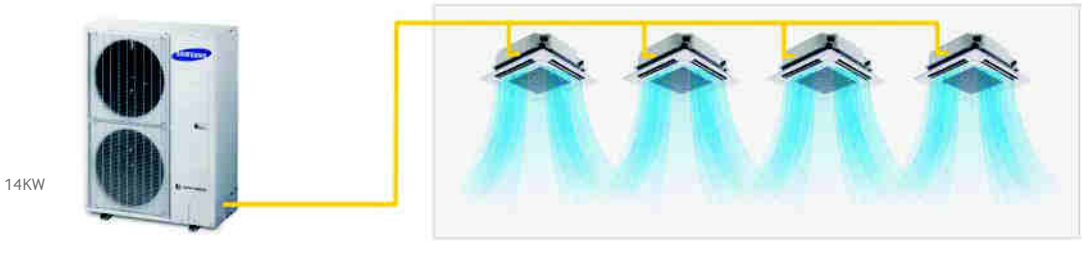


Multi-Unit Operation

Instead of connecting just one indoor unit, users can connect two, three or four indoor units with a single outdoor unit for more efficient cooling and heating. The indoor units operate and are controlled simultaneously as one cycle within the same mode via one remote controller for up to four rooms. This system is ideal for spaces requiring multiple indoor units, such as open-plan offices or shops.

Outdoor Unit Capacity	2 Rooms	3 Rooms	4 Rooms
7.1kW	3.5 + 3.5		
10kW	5.2 + 5.2		
12.5kW	6.0 + 6.0	5.2 + 5.2 + 5.2	
14kW	7.1 + 7.1	5.2 + 5.2 + 5.2	3.5 + 3.5 + 3.5 + 3.5

*4-Way and Mini 4-Way CST is available.



Nordic CAC

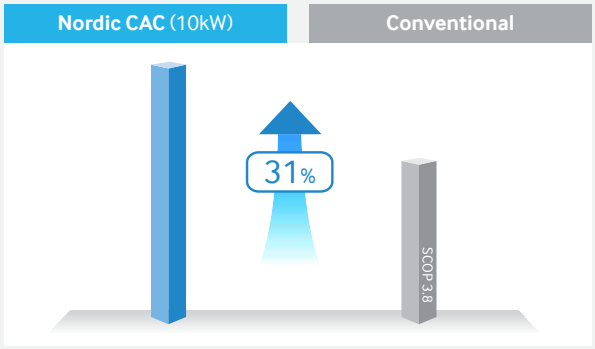
Enhanced heating performance

Ensure Supreme Comfort with Upgraded Heating and Reliable Performance

Samsung's Nordic CAC system air conditioner features enhanced efficiency, operational range and design for improved heating performance in cooler temperatures. And with its extended range, it also supports optimal cooling for comfort in warmer climates.

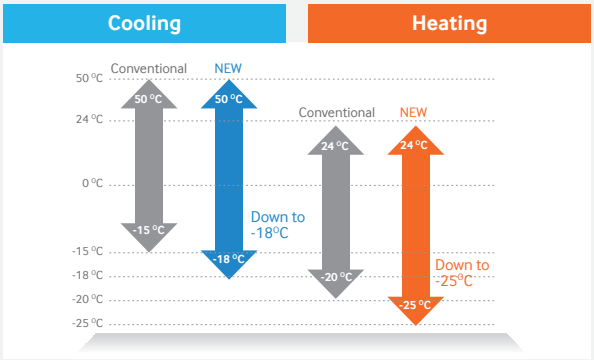
High-Performance Heating

Nordic CAC is designed to deliver high-performance heating in low temperatures, providing users comfortable, consistent warmth in frigid environments. It reinforces heating performance by a maximum of 3% at -20°C, and increases heating performance by 10 – 30%, depending on the temperature.



Wide Range of Operation

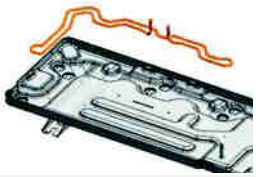
The Nordic CAC system air conditioner not only excels in heating performance, but it also provides exceptional cooling with its expansive operating range. It offers cooling operation from -18°C to 50°C, and guaranteed heating performance from -25°C to 24°C for indoor comfort all-year-round.



Feature Upgrades

The following improvements have been made to optimise the unit's performance in frigid climates:

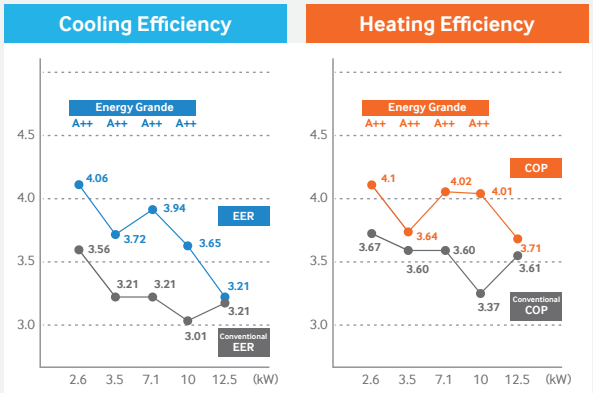
- Base heater. To prevent water condensation from freezing, a base heater (150 W) has been applied to the unit design.



- Cabinet grid. To prevent damage from snow drifts, the cabinet grid size has been increased, while the vertical grid size is two times larger.

World-Class Efficiency

Nordic CAC achieves world-class efficiency to minimise energy consumption and costs. In fact, all Nordic CAC models are efficiency rated SEER A++ / SCOP A+.



CAC Single

Superior performance

Stabilise the Atmosphere with Broad Temperature Allowance and Control

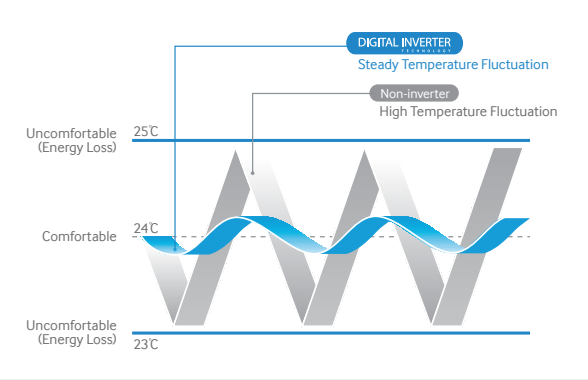
Samsung is dedicated to supporting comfortable living and working environments based on the strength of its technologies. With a single unit, CAC Single delivers reliable comfort and control over multiple areas to ensure a pleasant atmosphere in any climate.

Wide Temperature Performance

No matter how extreme the temperature, the high-performing CAC Single can handle the condition—without the need for an additional unit. Featuring a wide temperature allowance, it can cool in heat of up to 50 and provide warmth in the freezing cold of -20°C to ensure a constant and comfortable home environment.

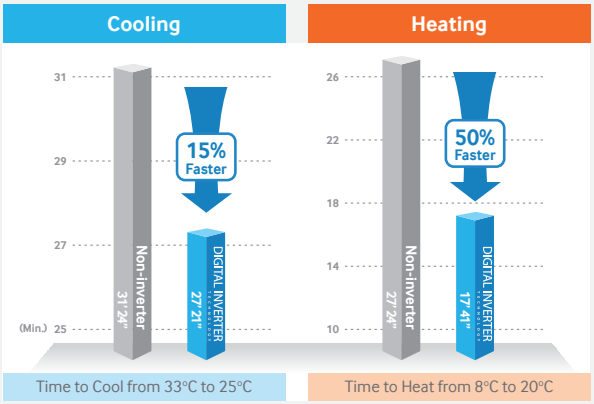
Ideal Comfort in Minutes

The CAC Single digital inverter air conditioner works at maximum capacity at startup. As soon as the temperature reaches the desired or set temperature, CAC Single performs fine adjustments to cope with any changes. This means less temperature fluctuation and ideal comfort in a matter of minutes.



Fast Cooling and Heating

When users change the temperature setting, the CAC Single uses the compressor's maximum capacity to quickly reach the desired temperature. As a result, the unit delivers 15% faster cooling and 50% faster heating for a more comfortable ambiance without the long wait.



Simultaneous, Multi-Room Control

Instead of connecting to just one indoor unit, CAC Single can connect up to four units with a single outdoor unit for more efficient cooling and heating. With one remote controller, users can simultaneously operate the indoor units in up to four rooms as one cycle within the same mode. This system is ideal for spaces requiring multiple indoor units, such as open-plan offices or shops.

Versatile Piping Installation

CAC Single outdoor units offer a selection of pipe directions. The internal pipe connection ports allow four different pipe directions, supporting a neater, more organised-looking unit upon installation.



CAC Slim 1-Way Cassette

SPECIFICATIONS

AC026/35FB1DEH/EU



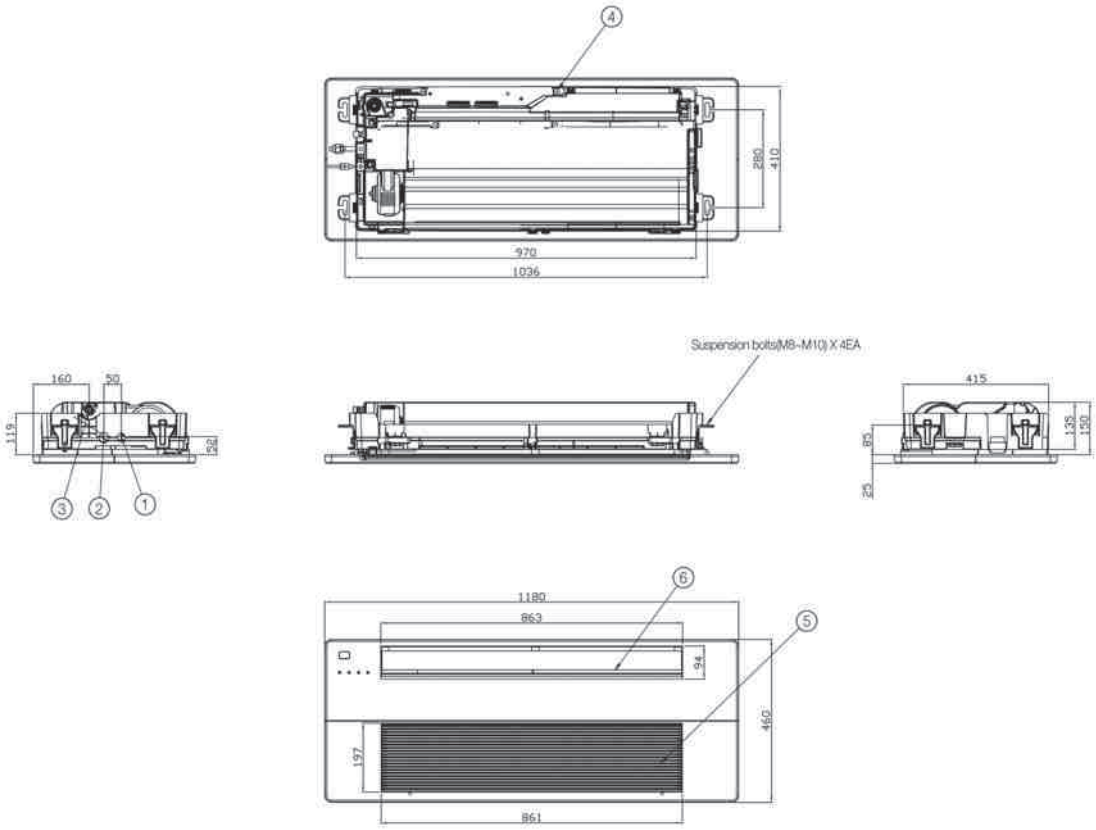
Model Code		AC026FB1DEH/EU	AC035FB1DEH/EU
Features	Type	Slim 1-Way Cassette	Slim 1-Way Cassette
Model Name	Indoor Unit	AC026FB1DEH/EU	AC035FB1DEH/EU
	Outdoor Unit	AC026FCADEH/EU	AC035FCADEH/EU
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	0.98/2.60/3.50 kW	0.98/3.50/4.10 kW
	Cooling [Btu/h]	3,300/8,900/11,900 Btu/h	3,300/11,900/14,000 Btu/h
	Heating [kW]	0.95/3.30/4.60 kW	0.95/4.00/4.75 kW
	Heating [Btu/h]	3,200/11,300/15,700 Btu/h	3,200/13,600/16,200 Btu/h
Power Input (Nominal)	Cooling	0.25/0.74/1.12 kW	0.25/1.16/1.42 kW
	Heating	0.21/0.91/1.30 kW	0.21/1.16/1.39 kW
Current Input (Nominal)	Cooling	1.60/3.40/5.20 A	1.60/5.40/6.60 A
	Heating	1.40/4.30/6.40 A	1.40/5.50/6.80 A
Power	MCA [A]	10.30 (MCA) A	10.30 (MCA) A
	MFA [A]	12.50 A	12.50 A
Energy Efficiency	EER (Nominal Cooling)	3.51	3.02
	COP (Nominal Heating)	3.63	3.45
	Energy Grade (Cooling)	SEER 5.60 (A+)	SEER 5.40 (A)
	Energy Grade (Heating)	SCOP 3.80 (A)	SCOP 3.80 (A)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	9.52 mm
	Gas Pipe (Φ, inch)	3/8"	3/8"
	Installation Max. Length [m]	20 m	20 m
	Installation Max. Height [m]	15.0 m	15.0 m
Field Wiring	Power Source Wire	1.5 ~ 1.5	1.5 ~ 1.5
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	0.95 kg	0.95 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	20.00 W	20.00 W
	Number of Unit (EA)	1.00 EA	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	8.00/7.00/6.00 CMM	9.50/8.00/6.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	133.33/116.67/100.00	158.33/133.33/108.33
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq	- mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa	- Pa
Drain	Drain Pipe (Φ,mm)	VP20 (OD 25,ID 20) mm	VP20 (OD 25,ID 20) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	30.0 / 27.5 / 25.0 dBA	33.0 / 30.0 / 27.0 dBA
	Sound Power (Cooling) [dB(A)]	52.0 dBA	55.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	9.90 kg	9.90 kg
	Shipping Weight (kg)	12.50 kg	12.50 kg
	Net Dimensions (WxHxD) (mm)	970 x 135 x 410 mm	970 x 135 x 410 mm
	Shipping Dimensions (WxHxD) (mm)	1173 x 231 x 487 mm	1173 x 231 x 487 mm
Panel Size	Panel Model	PSSMA	PSSMA
	Panel Net Weight (kg)	3.10 kg	3.10 kg
	Shipping Weight (kg)	4.50 kg	4.50 kg
	Net Dimensions (WxHxD) (mm)	1180 x 25 x 460 mm	1180 x 25 x 460 mm
	Shipping Dimensions (WxHxD) (mm)	1259 x 144 x 539 mm	1259 x 144 x 539 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	Single BLDC Rotary	Single BLDC Rotary
	Model	UG4C090LUDJR	UG4C090LUDJR
	Output (kW)	0.86 kW	0.86 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	- cc	- cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	29.00 CMM	30.00 CMM
	Air Flow Rate (Cooling) [L/S]	483.33	500
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 47.0 dBA	47.0 / 47.0 dBA
	Sound Power (Cooling) [dB(A)]	60.0 dBA	62.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	33.00 kg	33.00 kg
	Shipping Weight (kg)	37.00 kg	37.00 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm	790 x 548 x 285 mm
	Shipping Dimensions (WxHxD) (mm)	926 x 655 x 382 mm	926 x 655 x 382 mm
Operating Temp. Range	Cooling (°C)	-10 ~ 46 °C	-10 ~ 46 °C
	Heating (°C)	-15 ~ 24 °C	-15 ~ 24 °C

CAC Slim 1-Way Cassette

DIMENSIONAL DRAWINGS
AC026/35FB1DEH/EU



Units: mm



No.	Name	Description	
		2.6kW	3.5kW
1	Liquid pipe connection	Ø6.35mm (1/4") Flare	
2	Gas pipe connection	Ø9.52mm (3/8") Flare	
3	Drain pipe connection	VP20 (OD 26, ID 20)	
4	Conduit for power supply and communication wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	Ø100	

CAC Mini 4-Way Cassette

SPECIFICATIONS

AC026/35/52/60/71FBNDEH/EU



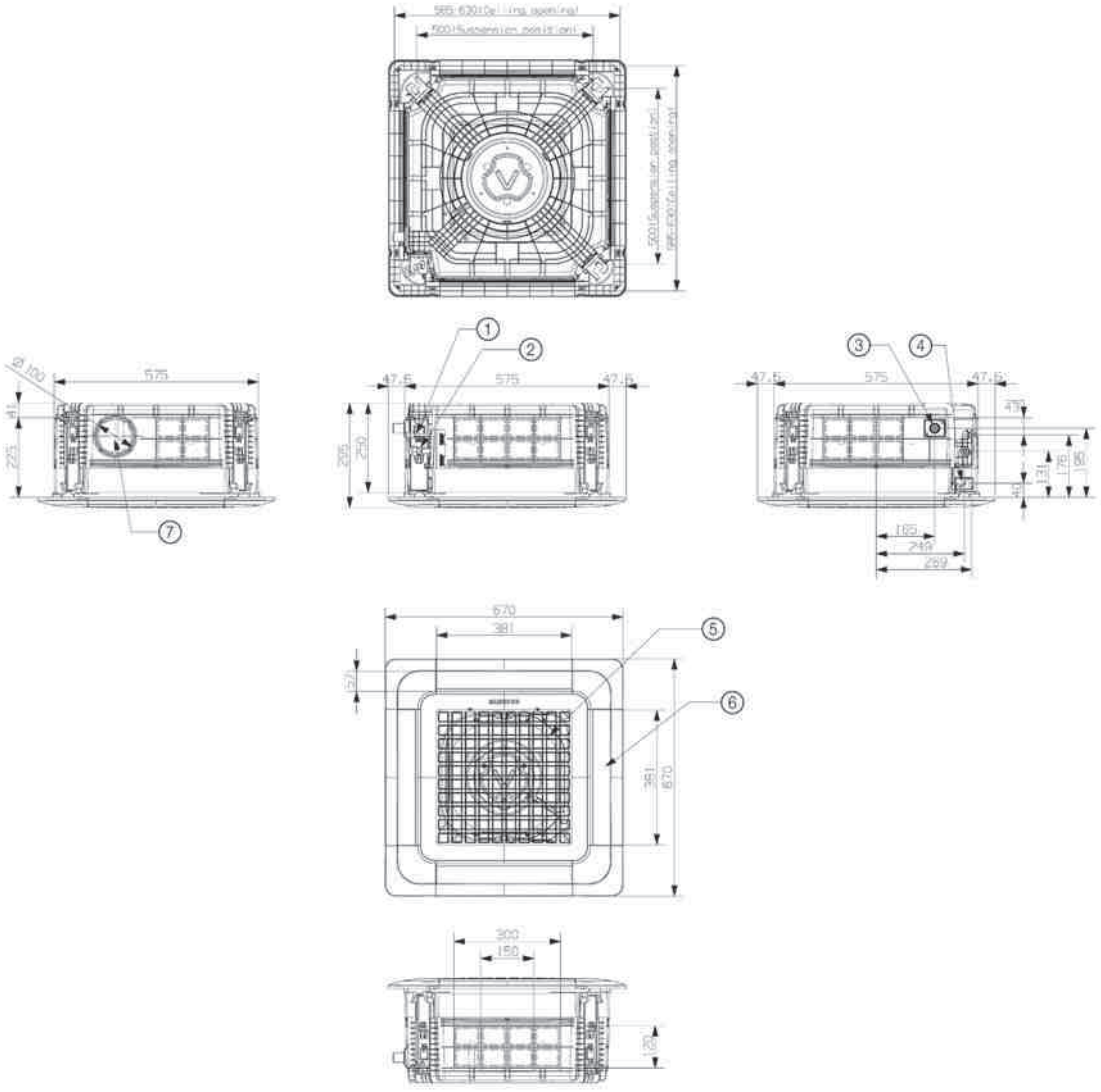
Model Code		AC026FBNDEH/EU	AC035FBNDEH/EU	AC052FBNDEH/EU	AC060FBNDEH/EU	AC071FBNDEH/EU
Features	Type	4-Way Cassette (600 x 600)	Mini 4-Way Cassette (600 x 600)	4-Way Cassette S (600x600)	4-Way Cassette (600 x 600)	Mini 4-Way Cassette (600 x 600)
Model Name	Indoor Unit	AC026FBNDEH/EU	AC035FBNDEH/EU	AC052FBNDEH/EU	AC060FBNDEH/EU	AC071FBNDEH/EU
	Outdoor Unit	AC026FCADEH/EU	AC035FCADEH/EU	AC052FCADEH/EU	AC060FCADEH/EU	AC071FCADEH/EU
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	0.99/2.60/3.50 kW	0.99/3.50/4.20	1.30/5.00/5.90 kW	1.80/5.80/6.50 kW	2.00/6.80/7.50
	Cooling [Btu/h]	3,400/8,900/11,900 Btu/h	3,400/11,900/14,300	4,400/17,100/20,100 Btu/h	6,100/19,800/22,200 Btu/h	6,800/23,200/25,600
	Heating [kW]	0.98/3.30/4.60 kW	0.98/4.00/5.00	1.30/5.50/7.50 kW	1.60/7.00/9.00 kW	1.60/7.50/10.00
	Heating [Btu/h]	3,300/11,300/15,700 Btu/h	3,300/13,600/17,100	4,400/18,800/25,600 Btu/h	5,500/23,900/30,700 Btu/h	5,500/25,600/34,100
Power Input (Nominal)	Cooling	0.23/0.73/1.13 kW	0.24/1.09/1.45	0.31/1.66/2.10 kW	0.38/1.81/2.60 kW	0.39/2.26/2.60
	Heating	0.18/0.90/1.40 kW	0.18/1.11/1.40	0.35/1.61/2.40 kW	0.35/2.18/3.60 kW	0.35/2.41/3.80
Current Input (Nominal)	Cooling	1.60/3.70/5.50 A	1.60/5.60/6.80	2.60/7.50/9.50 A	1.90/8.30/11.50 A	1.90/10.20/11.50
	Heating	1.20/4.60/6.60 A	1.20/5.70/6.70	2.90/7.50/11.00 A	1.70/10.00/17.30 A	1.70/10.70/17.60
Power	MCA [A]	10.30 (MCA) A	10.30 (MCA)	10.80 (MCA) A	20.30 (MCA) A	20.30 (MCA)
	MFA [A]	12.50 A	12.50 A	13.13 A	25.00 A	25.00 A
Energy Efficiency	EER (Nominal Cooling)	3.56	3.21	3.01	3.20	3.01
	COP (Nominal Heating)	3.67	3.60	3.42	3.21	3.11
	Energy Grade (Cooling)	SEER 6.70 (A++)	SEER 6.50 (A++)	SEER 6.30 (A++)	SEER 6.20 (A++)	SEER 6.10 (A++)
	Energy Grade (Heating)	SCOP 4.00 (A+)	SCOP 4.00 (A+)	SCOP 3.80 (A)	SCOP 3.80 (A)	SCOP 3.80 (A)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	9.52	12.70 mm	15.88 mm	15.88
	Gas Pipe (Φ, inch)	3/8"	3/8"	1/2"	5/8"	5/8"
	Installation Max. Length [m]	20 m	20(25)	30(35) m	50 m	50(55)
	Installation Max. Height [m]	15.0 m	15(15)	20.0(20.0) m	30.0 m	30(30)
Field Wiring	Power Source Wire	2.5	2.5	2.5	2.5	2.5
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	0.95 kg	0.95	1.40 kg	1.80 kg	1.8
Power Supply (Indoor Unit) [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
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output) [W]	65.00 W	65.00 W	65.00 W	65.00 W	65.00 W
	Number of Unit (EA)	1.00 EA	1.00 EA	1.00 EA	1.00 EA	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	8.50/7.50/6.50 CMM	9.50/8.00/6.50	12.00/10.50/9.00 CMM	11.00/10.00/9.00 CMM	11.50/10.50/9.50
	Air Flow Rate (High / Mid / Low) [L/S]	141.67/125.00/108.33	158.33/133.33/108.33	200.00/175.00/150.00	183.33/166.67/150.00	191.67/175.00/158.33
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq	-	- mmAq	- mmAq	-
	External Static Pressure (Min / Std / Max) [Pa]	- Pa	-	- Pa	- Pa	-
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33.0 / 31.0 / 27.0 dBA	35.00/33.0/29.0	39.0 / 37.0 / 34.0 dBA	41.0 / 38.0 / 35.0 dBA	42.00/40.0/36.0
	Sound Power (Cooling) [dB(A)]	48.0 dBA	50.0 dBA	53.0 dBA	56.0 dBA	58.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	11.00 kg	11.00 kg	11.70 kg	12.00 kg	12.00 kg
	Shipping Weight (kg)	13.00 kg	13.00 kg	13.70 kg	14.00 kg	14.00 kg
	Net Dimensions (WxHxD) (mm)	575 x 250 x 575 mm	575 x 250 x 575	575 x 250 x 575 mm	575 x 250 x 575 mm	575 x 250 x 575
	Shipping Dimensions (WxHxD) (mm)	623 x 298 x 653 mm	623 x 298 x 653	623 x 298 x 653 mm	623 x 298 x 653 mm	623 x 298 x 653
Panel Size	Panel Model	PC4SUSMB	PC4SUSMB	PC4SUSMB	PC4SUSMB	PC4SUSMB
	Panel Net Weight (kg)	2.70 kg	2.70 kg	2.70 kg	2.70 kg	2.70 kg
	Shipping Weight (kg)	4.20 kg	4.20 kg	4.20 kg	4.20 kg	4.20 kg
	Net Dimensions (WxHxD) (mm)	670 x 45 x 670 mm	670 x 45 x 670	670 x 45 x 670 mm	670 x 45 x 670 mm	670 x 45 x 670
	Shipping Dimensions (WxHxD) (mm)	714 x 106 x 724 mm	714 x 106 x 724	714 x 106 x 724 mm	714 x 106 x 724 mm	714 x 106 x 724
Power Supply (Outdoor Unit) [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
Compressor	Type	Single BLDC Rotary	Single BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG4C090LUDJR	UG4C090LUDJR	UG4T150FUDJQ	UG4T200FUAE4SG	UG4T200FUAE4SG
	Output(kW)	0.86 kW	0.86	1.37 kW	1.79 kW	1.79
	Oil (Type)	POE	POE	POE	POE	POE
	Oil (Initial Charge) [cc]	- cc	320.00 cc	650.00 cc	- cc	650.00 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	29.00 CMM	30.00 CMM	33.00 CMM	50.00 CMM	52.00 CMM
	Air Flow Rate (Cooling) [L/S]	483.33	500.00	550.00	833.33	866.67
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	46.0 / 47.0 dBA	47.0 / 48.0	48.0 / 49.0 dBA	49.0 / 50.0 dBA	49.0 / 51.0
	Sound Power (Cooling) [dB(A)]	60.0 dBA	62.0 dBA	64.0 dBA	64.0 dBA	66.0 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	33.00 kg	33.00 kg	38.50 kg	55.00 kg	55.00 kg
	Shipping Weight (kg)	37.00 kg	37.00 kg	42.50 kg	59.00 kg	59.00 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm	790 x 548 x 285	790 x 548 x 285 mm	880 x 798 x 310 mm	880 x 798 x 310
	Shipping Dimensions (WxHxD) (mm)	926 x 655 x 382 mm	926 x 655 x 382	926 x 655 x 382 mm	1023 x 891 x 413 mm	1023 x 891 x 413
Operating Temp. Range	Cooling (°C)	-10 ~ 46 °C	-10 ~ 46 °C	-15 ~ 46 °C	-15 ~ 46 °C	-15 ~ 50 °C
	Heating (°C)	-15 ~ 24 °C	-15 ~ 24 °C	-15 ~ 24 °C	-20 ~ 24 °C	-20 ~ 24 °C

CAC Mini 4-Way Cassette

DIMENSIONAL DRAWINGS
AC026/35/52/60/71FBNDEH/EU



Units: mm



No.	Name	Description				
		2.6kW	3.5kW	5.2kW	6.0kW	7.1kW
1	Liquid pipe connection	Ø6.35mm (1/4") Flare				
2	Gas pipe connection	Ø9.52mm (3/8") Flare		Ø12.70mm (1/2") Flare	Ø15.88mm (5/8") Flare	
3	Drain pipe connection	VP25 (OD 32, ID 25)				
4	Conduit for power supply and communication wiring	-				
5	Air inlet grille	-				
6	Air outlet louver	-				
7	Fresh air intake	Ø100				

CAC 4-Way Cassette S

SPECIFICATIONS

AC052/71/90/100FB4DEH/EU



Model Code		AC052FB4DEH/EU	AC071FB4DEH/EU	AC090FB4DEH/EU	AC100FB4DEH/EU
Features	Type	4-Way Cassette S	4-Way Cassette S	4-Way Cassette S	4-Way Cassette S
Model Name	Indoor Unit	AC052FB4DEH/EU	AC071FB4DEH/EU	AC090FB4DEH/EU	AC100FB4DEH/EU
	Outdoor Unit	AC052FCADEH/EU	AC071FCADEH/EU	AC090FCADEH/EU	AC100FCADEH/EU
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	1.00/5.10/6.00 kW	2.20/7.10/8.00 kW	3.00/9.00/10.00 kW	3.20/10.00/12.00 kW
	Cooling [Btu/h]	3,400/17,400/20,500 Btu/h	7,500/24,200/27,300 Btu/h	10,200/30,700/34,100 Btu/h	10,900/34,100/40,900 Btu/h
	Heating [kW]	1.00/5.70/7.00 kW	1.90/8.00/9.00 kW	2.20/10.00/13.90 kW	2.20/11.20/15.50 kW
	Heating [Btu/h]	3,400/19,400/23,900 Btu/h	6,500/27,300/30,700 Btu/h	7,500/34,100/47,400 Btu/h	7,500/38,200/52,900 Btu/h
Power Input (Nominal)	Cooling	0.33/1.54/2.10 kW	0.35/2.21/4.00 kW	0.60/2.99/3.70 kW	0.60/3.32/4.70 kW
	Heating	0.25/1.46/1.90 kW	0.35/2.22/4.00 kW	0.46/2.93/5.20 kW	0.50/3.32/5.20 kW
Current Input (Nominal)	Cooling	1.50/7.20/9.20 A	2.00/10.00/21.00 A	3.00/12.70/18.70 A	3.00/15.10/20.50 A
	Heating	1.50/7.00/8.60 A	2.00/10.00/21.00 A	2.50/12.50/22.70 A	2.60/14.60/24.00 A
Power	MCA [A]	10.80 (MCA) A	20.30 (MCA) A	24.70 (MCA) A	24.70 (MCA) A
	MFA [A]	13.13 A	25.00 A	30.00 A	30.00 A
Energy Efficiency	EER (Nominal Cooling)	3.31	3.21	3.01	3.01
	COP (Nominal Heating)	3.9	3.6	3.41	3.37
	Energy Grade (Cooling)	SEER 6.4(A++)	SEER 6.0(A+)	SEER 5.6(A+)	SEER 5.6(A+)
	Energy Grade (Heating)	SCOP 4.0(A+)	SCOP 3.9(A)	SCOP 3.8(A)	SCOP 3.8(A)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	3/8"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"	5/8"	5/8"
	Installation Max. Length [m]	30(35) m	50 m	50 m	50 m
	Installation Max. Height [m]	20.0(20.0) m	30.0 m	30.0 m	30.0 m
Field Wiring	Power Source Wire	2.5 ~ 4.0	2.5 ~ 4.0	2.5 ~ 4.0	2.5 ~ 4.0
	Transmission Cable	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	1.40 kg	1.80 kg	3.00 kg	3.00 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output) [W]	- W	- W	- W	- W
	Number of Unit (EA)	1.00 EA	1.00 EA	1.00 EA	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	17.00/15.50/13.00 CMM	19.50/16.50/14.50 CMM	24.50/21.00/17.50 CMM	28.00/25.50/22.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	283.33/258.33/216.67	325.00/275.00/241.67	408.33/350.00/291.67	466.67/425.00/366.67
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq	- mmAq	- mmAq	- mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa	- Pa	- Pa	- Pa
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	35.0 / 32.0 / 29.0 dBA	37.0 / 35.0 / 30.0 dBA	40.0 / 36.0 / 32.0 dBA	44.0 / 39.0 / 34.0 dBA
	Sound Power (Cooling) [dB(A)]	51.0 dBA	53.0 dBA	57.0 dBA	58.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	15.50 kg	15.00 kg	16.00 kg	16.00 kg
	Shipping Weight (kg)	19.50 kg	20.00 kg	20.50 kg	20.50 kg
	Net Dimensions (WxHxD) (mm)	840 x 204 x 840 mm	840 x 204 x 840 mm	840 x 246 x 840 mm	840 x 246 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 275 x 898 mm	898 x 274 x 898 mm	898 x 316 x 898 mm	898 x 316 x 898 mm
Panel Size	Panel Model	PC4NUSKE	PC4NUSKE	PC4NUSKE	PC4NUSKE
	Panel Net Weight (kg)	5.90 kg	5.90 kg	5.90 kg	5.90 kg
	Shipping Weight (kg)	8.40 kg	8.40 kg	8.40 kg	8.40 kg
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950 mm	950 x 45 x 950 mm	950 x 45 x 950 mm	950 x 45 x 950 mm
	Shipping Dimensions (WxHxD) (mm)	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	Single BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG4C090LUDJR	UG4T200FUAE4SG	UG8T300FUBJUSG	UG8T300FUBJUSG
	Output (kW)	0.86 kW	1.79 kW	2.82 kW	2.82 kW
	Oil (Type)	POE	POE	POE	POE
	Oil (Initial Charge) [cc]	- cc	- cc	- cc	- cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	29.00 CMM	50.00 CMM	63.50 CMM	68.00 CMM
	Air Flow Rate (Cooling) [L/S]	550.00	833.33	1,058.33	1,133.33
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 47.0 dBA	49.0 / 51.0 dBA	51.0 / 52.0 dBA	52.0 / 54.0 dBA
	Sound Power (Cooling) [dB(A)]	60.0 dBA	67.0 dBA	68.0 dBA	69.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	33.00 kg	55.00 kg	72.00 kg	72.00 kg
	Shipping Weight (kg)	37.00 kg	59.00 kg	77.00 kg	77.00 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm	880 x 798 x 310 mm	940 x 998 x 330 mm	940 x 998 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	926 x 655 x 382 mm	1023 x 891 x 413 mm	995 x 1096 x 426 mm	995 x 1096 x 426 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 46 °C	-15 ~ 50 °C	-15 ~ 50 °C	-15 ~ 50 °C
	Heating (°C)	-15 ~ 24 °C	-20 ~ 24 °C	-20 ~ 24 °C	-20 ~ 24 °C

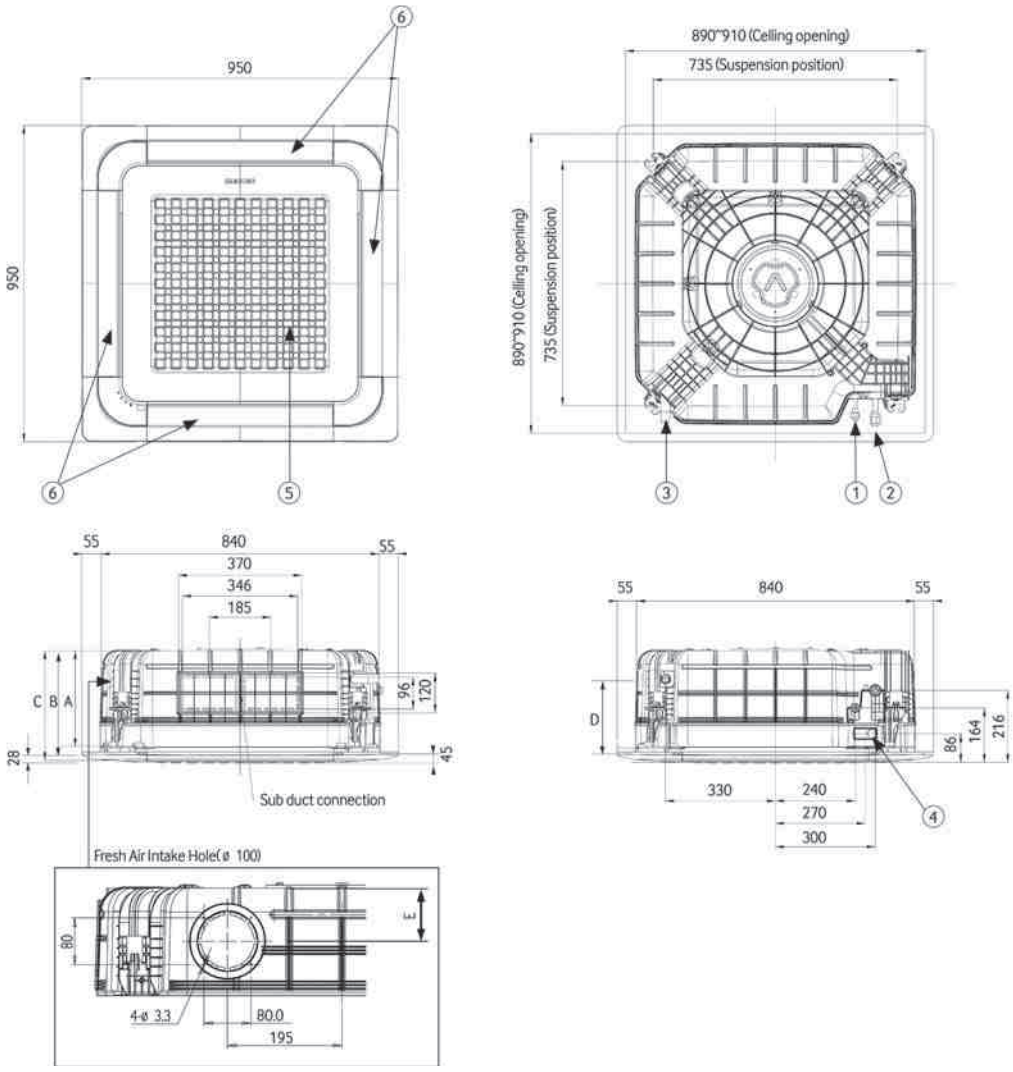
CAC 4-Way Cassette S

DIMENSIONAL DRAWINGS

AC052/71/90/100FB4DEH/EU



Units: mm



No.	Name	Description	
		7.1kW	9.0/10.0/12.5/14.0kW
1	Liquid pipe connection	Ø6.35mm (1/4") Flare	Ø9.52mm (3/8") Flare
2	Gas pipe connection	Ø15.88mm (5/8") Flare	
3	Drain pipe connection	VP25 (OD 32, ID 25)	
4	Conduit for power supply and communication wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	-	

		Description		
		071D	*071P*, *090/100D*	*090/100P*, *125/140D(P)*, *100Z*
A	mm	204	246	288
B	mm	225	267	309
C	mm	253	295	337
D	mm	190	215	215

CAC 4-Way Cassette S

SPECIFICATIONS

NS1254/1404DXEA



Model Code		NS1254DXEA	NS1404DXEA
Features	Type	4-Way Cassette S	4-Way Cassette S
Model Name	Indoor Unit	NS1254DXEA	NS1404DXEA
	Outdoor Unit	RC125DHXEB	RC140DHXEB
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	3.50/12.50/14.00 kW	3.50/14.00/15.50 kW
	Cooling [Btu/h]	11,900/42,700/47,800 Btu/h	11,900/47,800/52,900 Btu/h
	Heating [kW]	3.00/14.00/16.20 kW	3.50/16.00/18.00 kW
	Heating [Btu/h]	10,200/47,800/55,300 Btu/h	11,900/54,600/61,400 Btu/h
Power Input (Nominal)	Cooling	0.80/3.89/4.50 kW	0.80/4.36/5.40 kW
	Heating	0.81/3.88/4.88 kW	0.70/4.43/6.16 kW
Current Input (Nominal)	Cooling	4.00/18.00/20.00 A	3.70/20.00/24.00 A
	Heating	3.50/18.00/24.00 A	3.50/20.00/24.00 A
Power	MCA [A]	25.00 (MCA) A	25.00 (MCA) A
	MFA [A]	30.00 A	30.00 A
Energy Efficiency	EER (Nominal Cooling)	3.21	3.21
	COP (Nominal Heating)	3.61	3.61
	Energy Grade (Cooling)	Energy Grade (C) A	Energy Grade (C) A
	Energy Grade (Heating)	Energy Grade (H) A	Energy Grade (H) A
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"
	Installation Max. Length [m]	75(75) m	75(75) m
	Installation Max. Height [m]	30.0(30.0) m	30.0(30.0) m
Field Wiring	Power Source Wire	2.5 ~ 4.0	2.5 ~ 4.0
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	2.90 kg	3.40 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo Fan	Turbo Fan
	Motor (Output) [W]	- W	- W
	Number of Unit (EA)	1.00 EA	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	30.00/24.00/19.00 CMM	32.00/28.00/22.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	500.00/400.00/316.67	533.33/466.67/366.67
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq	- mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa	- Pa
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	44.0 / 40.0 / 36.0 dBA	45.0 / 41.5 / 38.0 dBA
	Sound Power (Cooling) [dB(A)]	- dBA	- dBA
External Dimension (Indoor Unit)	Net Weight (kg)	18.00 kg	20.00 kg
	Shipping Weight (kg)	23.00 kg	25.00 kg
	Net Dimensions (WxHxD) (mm)	840 x 288 x 840 mm	840 x 288 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 357 x 898 mm	898 x 357 x 898 mm
Panel Size	Panel Model	PC4NUSKE	PC4NUSKE
	Panel Net Weight (kg)	5.90 kg	5.90 kg
	Shipping Weight (kg)	8.40 kg	8.40 kg
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950 mm	950 x 45 x 950 mm
	Shipping Dimensions (WxHxD) (mm)	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5T450FUEJXSG	UG5T450FUEJXSG
	Output (kW)	4.12 kW	4.12 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	1700.00 cc	1700.00 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	90.50 CMM	90.50 CMM
	Air Flow Rate (Cooling) [L/S]	1,508.33	1,508.33
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	51.0 / 52.0 dBA	52.0 / 54.0 dBA
	Sound Power (Cooling) [dB(A)]	- dBA	- dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	88.00 kg	88.00 kg
	Shipping Weight (kg)	98.00 kg	98.00 kg
	Net Dimensions (WxHxD) (mm)	940 x 1210 x 330 mm	940 x 1210 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1388 x 426 mm	995 x 1388 x 426 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 50 °C	-15 ~ 50 °C
	Heating (°C)	-20 ~ 24 °C	-20 ~ 24 °C

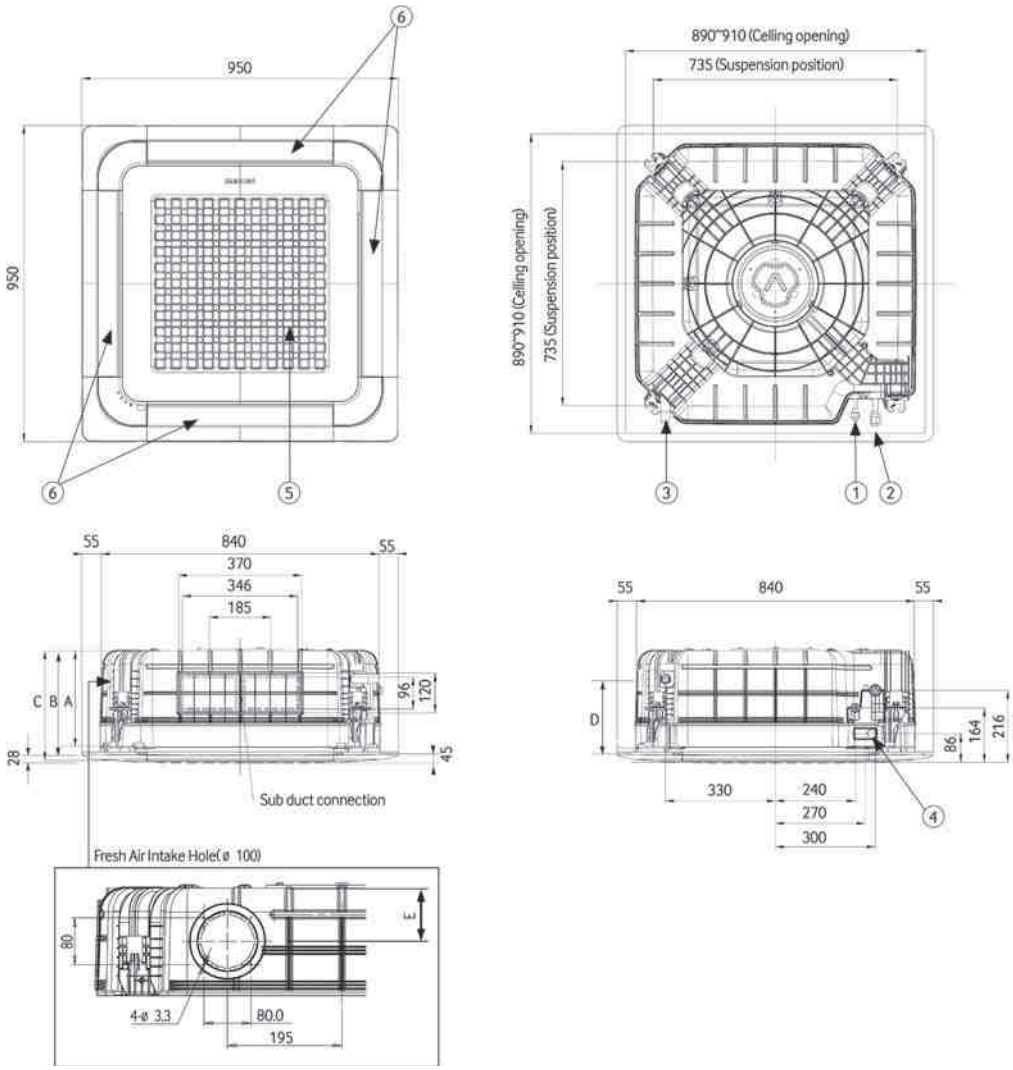
CAC 4-Way Cassette S

DIMENSIONAL DRAWINGS

NS1254/1404DXEA



Units: mm



No.	Name	Description	
		7.1kW	9.0/10.0/12.5/14.0kW
1	Liquid pipe connection	Ø6.35mm (1/4") Flare	Ø9.52mm (3/8") Flare
2	Gas pipe connection	Ø15.88mm (5/8") Flare	
3	Drain pipe connection	VP25 (OD 32, ID 25)	
4	Conduit for power supply and communication wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	-	

		Description		
		071D	*071P*, *090/100D*	*090/100P*, *125/140D(P)*, *100Z*
A	mm	204	246	288
B	mm	225	267	309
C	mm	253	295	337
D	mm	190	215	215

CAC Slim Duct

SPECIFICATIONS
AC026/35HBLDKH/EU



Model Code		AC026HBLDKH/EU	AC035HBLDKH/EU
Features	Type	Duct S (LSP)	Duct S (LSP)
Model Name	Indoor Unit	AC026HBLDKH/EU	AC035HBLDKH/EU
	Outdoor Unit	AC026HCADKH/EU	AC035HCADKH/EU
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	0.95/2.60/3.50 kW	0.98/3.50/4.10 kW
	Cooling [Btu/h]	3,200/8,900/11,900 Btu/h	3,300/11,900/14,000 Btu/h
	Heating [kW]	0.95/3.30/4.30 kW	0.99/4.00/5.00 kW
	Heating [Btu/h]	3,200/11,900/14,700 Btu/h	3,300/13,600/17,100 Btu/h
Power Input (Nominal)	Cooling	0.29/0.70/1.17 kW	0.33/1.15/1.35 kW
	Heating	0.20/0.87/1.30 kW	0.24/1.18/1.50 kW
Current Input (Nominal)	Cooling	1.80/3.40/5.40 A	2.10/5.30/6.20 A
	Heating	1.3/4.1/6.8 A	1.60/5.40/6.80 A
Power	MCA [A]	10.00 (MCA) A	10.00 (MCA) A
	MFA [A]	11.0 A	11.0 A
Energy Efficiency	EER (Nominal Cooling)	3.71	3.04
	COP (Nominal Heating)	3.79	3.39
	Energy Grade (Cooling)	SEER 6.3 (A++)	SEER 6.1 (A++)
	Energy Grade (Heating)	SCOP 3.8 (A)	SCOP 3.8 (A)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	9.52 mm
	Gas Pipe (Φ, inch)	3/8"	3/8"
	Installation Max. Length [m]	20(25) m	20(25) m
	Installation Max. Height [m]	15.0(15.0) m	15.0(15.0) m
Field Wiring	Power Source Wire	2.5	2.5
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	0.9 kg	0.90 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)
	Motor (Output) [W]	153.00 W	153.00 W
	Number of Unit (EA)	2 EA	2 EA
	Air Flow Rate (High / Mid / Low) [CMM]	8.00/6.50/4.90 CMM	9.20/7.40/5.80 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	133.3/108.3/81.7	153.3/123.3/96.7
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/2.50/4.00 mmAq	0.00/2.50/4.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/24.52/39.23 Pa	0.00/24.52/39.23 Pa
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP20(OD26, ID20) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33.0 / 30.0 / 27.0 dBA	33.0 / 30.0 / 27.0 dBA
	Sound Power (Cooling) [dB(A)]	53.0 dBA	53.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	20.0 kg	20.0 kg
	Shipping Weight (kg)	24.0 kg	24.0 kg
	Net Dimensions (WxHxD) (mm)	700 x 199 x 600 mm	700 x 199 x 600 mm
	Shipping Dimensions (WxHxD) (mm)	950 x 280 x 710 mm	950 x 280 x 710 mm
Additional Accessories	Drain Pump	MDP-E075SEE3D	MDP-E075SEE3D
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	Single BLDC Rotary	Single BLDC Rotary
	Model	UG9A090FUAER	UG9A090FUAER
	Output (kW)	0.84 kW	0.84 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	320 cc	320 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	37 CMM	37 CMM
	Air Flow Rate (Cooling) [L/S]	616.7	616.7
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	46.0 / 47.0 dBA	47.0 / 47.0 dBA
	Sound Power (Cooling) [dB(A)]	63.0 dBA	63.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	29.5 kg	29.5 kg
	Shipping Weight (kg)	32.0 kg	32.0 kg
	Net Dimensions (WxHxD) (mm)	720 x 548 x 265 mm	720 x 548 x 265 mm
	Shipping Dimensions (WxHxD) (mm)	844 x 622 x 353 mm	844 x 622 x 353 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 52 °C	-15 ~ 52 °C
	Heating (°C)	-20 ~ 24 °C	-20 ~ 24 °C

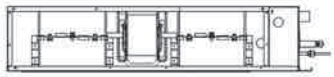
CAC Slim Duct

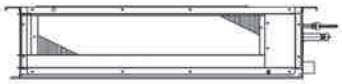
DIMENSIONAL DRAWINGS

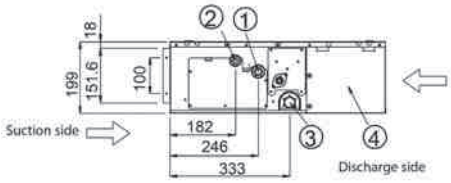
AC026/35HBLDKH/EU

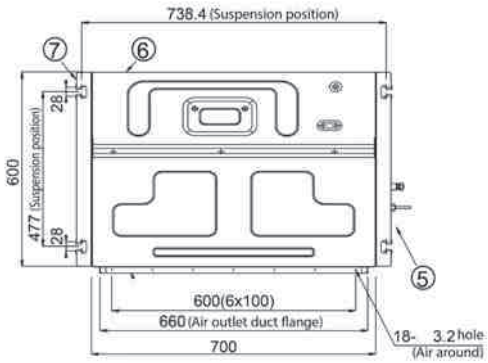


Units: mm









No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Refrigerant pipe conduits
6	Return air flange
7	Hook

CAC Slim Duct S

SPECIFICATIONS
AC052/71HBLDKH/EU



Model Code		AC052HBLDKH/EU	AC071HBLDKH/EU
Features	Type	Duct S (LSP)	Duct S (LSP)
Model Name	Indoor Unit	AC052HBLDKH/EU	AC071HBLDKH/EU
	Outdoor Unit	AC052HCADKH/EU	AC071HCADKH/EU
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	1.20/5.00/6.00 kW	2.00/7.10/8.00 kW
	Cooling [Btu/h]	4,100/17,100/20,500 Btu/h	6,800/24,200/27,300 Btu/h
	Heating [kW]	1.10/6.00/7.20 kW	1.50/8.00/9.00 kW
	Heating [Btu/h]	3,800/20,500/24,600 Btu/h	5,100/27,300/30,700 Btu/h
Power Input (Nominal)	Cooling	0.35/1.56/2.20 kW	0.47/2.21/3.00 kW
	Heating	0.26/1.66/2.70 kW	0.36/2.30/3.50 kW
Current Input (Nominal)	Cooling	2.10/7.20/10.00 A	2.80/9.80/13.30 A
	Heating	1.70/7.50/12.00 A	2.20/10.20/15.50 A
Power	MCA [A]	22.00 (MCA) A	22.00 (MCA) A
	MFA [A]	25.00 A	25.00 A
Energy Efficiency	EER (Nominal Cooling)	3.21	3.21
	COP (Nominal Heating)	3.61	3.48
	Energy Grade (Cooling)	SEER 6.1 (A++)	SEER 5.9 (A+)
	Energy Grade (Heating)	SCOP 3.8 (A)	SCOP 4.0 (A+)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"
	Installation Max. Length [m]	30(35) m	50(55) m
	Installation Max. Height [m]	20.0(20.0) m	30.0(30.0) m
Field Wiring	Power Source Wire	2.5	2.5
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	1.30 kg	1.50 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)
	Motor (Output) [W]	153.00 W	153.00 W
	Number of Unit (EA)	3.00 EA	3.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	15.00/12.00/9.00 CMM	20.00/15.00/10.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	250.00/200.00/150.00	333.33/250.00/166.67
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/3.00/4.00 mmAq	0.00/3.00/4.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/29.42/39.23 Pa	0.00/29.42/39.23 Pa
Drain	Drain Pipe (Φ,mm)	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33.0 / 30.0 / 27.0 dBA	37.0 / 34.0 / 31.0 dBA
	Sound Power (Cooling) [dB(A)]	55.0 dBA	59.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	22.50 kg	22.50 kg
	Shipping Weight (kg)	26.00 kg	26.00 kg
	Net Dimensions (WxHxD) (mm)	1100 x 200 x 450 mm	1100 x 200 x 450 mm
	Shipping Dimensions (WxHxD) (mm)	1350 x 270 x 530 mm	1350 x 270 x 530 mm
Additional Accessories	Drain Pump	MDP-G075SP	MDP-G075SP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG4T150LNBEQ	UG4T200LNFE4
	Output (kW)	1.42 kW	1.85 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	500 cc	700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	44.00 CMM	54.00 CMM
	Air Flow Rate (Cooling) [L/S]	733.33	900
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	48.0 / 48.0 dBA	49.0 / 51.0 dBA
	Sound Power (Cooling) [dB(A)]	63.0 dBA	65.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	45.00 kg	55.00 kg
	Shipping Weight (kg)	48.00 kg	59.00 kg
	Net Dimensions (WxHxD) (mm)	880 x 638 x 310 mm	880 x 798 x 310 mm
	Shipping Dimensions (WxHxD) (mm)	1024 x 750 x 414 mm	1023 x 891 x 413 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 50 °C	-15 ~ 50 °C
	Heating (°C)	-20 ~ 24 °C	-20 ~ 24 °C

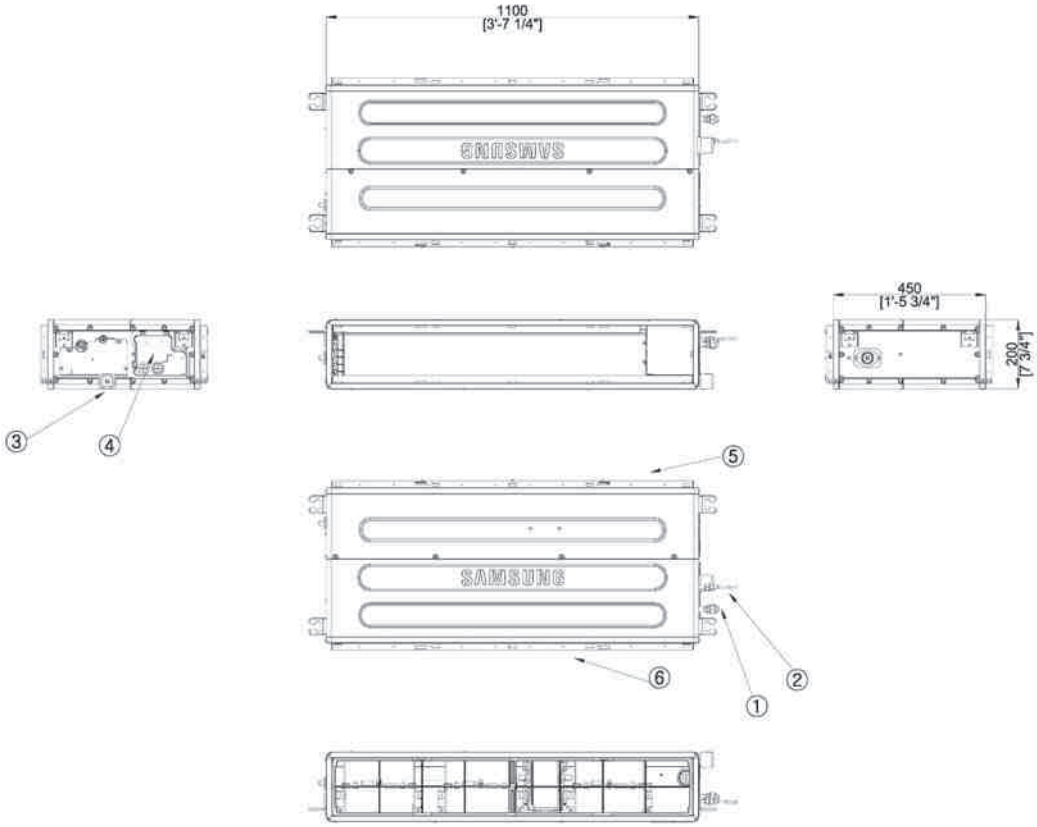
CAC Slim Duct S

DIMENSIONAL DRAWINGS

AC052/71HBLDKH/EU



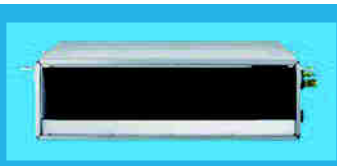
Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Air inlet grille
6	Air outlet grille

CAC MSP Duct

SPECIFICATIONS
AC035/52/60/71HBMDKH/EU

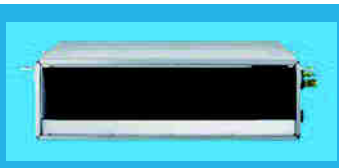


Model Code		AC035HBMDKH/EU	AC052HBMDKH/EU	AC060HBMDKH/EU	AC071HBMDKH/EU
Features	Type	DUCT S (MSP)	DUCT S (MSP)	DUCT S (MSP)	Duct S (MSP)
Model Name	Indoor Unit	AC035HBMDKH/EU	AC052HBMDKH/EU	AC060HBMDKH/EU	AC071HBMDKH/EU
	Outdoor Unit	AC035HCADKH/EU	AC052HCADKH/EU	AC060HCADKH/EU	AC071HCADKH/EU
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	1.10/3.50/4.00 kW	1.20/5.00/6.00 kW	1.80/6.00/7.50 kW	2.00/7.10/8.00 kW
	Cooling [Btu/h]	3,800/11,900/13,600 Btu/h	4,100/17,100/20,500 Btu/h	6,100/20,500/25,600 Btu/h	6,800/24,200/27,300 Btu/h
	Heating [kW]	1.10/4.00/4.60 kW	1.10/6.00/7.20 kW	1.50/7.00/8.50 kW	1.50/8.00/9.00 kW
	Heating [Btu/h]	3,800/13,600/15,700 Btu/h	3,800/20,500/24,600 Btu/h	5,100/23,900/29,000 Btu/h	5,100/27,300/30,700 Btu/h
Power Input (Nominal)	Cooling	0.30/1.10/1.50 kW	0.35/1.56/2.20 kW	0.43/1.76/2.70 kW	0.47/2.21/3.00 kW
	Heating	0.25/1.02/1.50 kW	0.26/1.66/2.70 kW	0.38/1.89/3.30 kW	0.36/2.30/3.50 kW
Current Input (Nominal)	Cooling	2.10/5.10/6.80 A	2.10/7.20/10.00 A	2.60/7.90/12.00 A	2.80/9.80/13.30 A
	Heating	1.60/4.70/6.80 A	1.70/7.50/12.00 A	2.30/8.40/14.00 A	2.20/10.20/15.50 A
Power	MCA [A]	18.70 (MCA) A	22.70 (MCA) A	22.70 (MCA) A	22.70 (MCA) A
	MFA [A]	20.60 A	25.00 A	25.00 A	25.00 A
Energy Efficiency	EER (Nominal Cooling)	3.18	3.21	3.41	3.21
	COP (Nominal Heating)	3.92	3.61	3.7	3.48
	Energy Grade (Cooling)	SEER 5.4 (A)	SEER 6.1 (A++)	SEER 6.1 (A++)	SEER 5.9 (A+)
	Energy Grade (Heating)	SCOP 3.8 (A)	SCOP 3.8 (A)	SCOP 4.0 (A+)	SCOP 4.0 (A+)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4""	1/4""	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	12.70 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	3/8""	1/2""	5/8"	5/8"
	Installation Max. Length [m]	20(25) m	30(35) m	50(55) m	50(55) m
	Installation Max. Height [m]	15.0(15.0) m	20.0(20.0) m	30.0(30.0) m	30.0(30.0) m
Field Wiring	Power Source Wire	2.5	2.5	2.5	2.5
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	0.90 kg	1.30 kg	1.50 kg	1.50 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)
	Motor (Output) [W]	153.00 W	153.00 W	153.00 W	153.00 W
	Number of Unit (EA)	2.00 EA	2.00 EA	2.00 EA	2.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	12.00/9.50/8.00 CMM	16.00/13.50/11.00 CMM	21.00/18.00/15.00 CMM	22.00/19.00/16.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	200.00/158.33/133.33	266.67/225.00/183.33	350.00/300.00/250.00	366.67/316.67/266.67
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/2.50/15.00 mmAq	0.00/3.00/15.00 mmAq	0.00/3.00/15.00 mmAq	0.00/3.00/15.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/24.52/147.10 Pa	0.00/29.42/147.10 Pa	0.00/29.42/147.10 Pa	0.00/29.42/147.10 Pa
Drain	Drain Pipe (Φ,mm)	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	32.0 / 29.0 / 26.0 dBA	33.0 / 30.0 / 27.0 dBA	37.0 / 33.0 / 29.0 dBA	37.0 / 33.0 / 29.0 dBA
	Sound Power (Cooling) [dB(A)]	52.0 dBA	53.0 dBA	57.0 dBA	57.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	24.50 kg	24.50 kg	24.50 kg	24.50 kg
	Shipping Weight (kg)	28.50 kg	28.50 kg	28.50 kg	28.50 kg
	Net Dimensions (WxHxD) (mm)	850 x 250 x 700 mm	850 x 250 x 700 mm	850 x 250 x 700 mm	850 x 250 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	1100 x 320 x 780 mm	1100 x 320 x 780 mm	1100 x 320 x 780 mm	1100 x 320 x 780 mm
Additional Accessories	Drain Pump	MDP-G075SP	MDP-E075SP	MDP-G075SP	MDP-G075SP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	Single BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG9A090FUAER	UG4T150LNBEQ	UG4T200LNFE4	UG4T200LNFE4
	Output (kW)	- kW	- kW	1.85 kW	1.85 kW
	Oil (Type)	-	-	POE	POE
	Oil (Initial Charge) [cc]	- cc	- cc	700.00 cc	700.00 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	37.00 CMM	44.00 CMM	52.00 CMM	54.00 CMM
	Air Flow Rate (Cooling) [L/S]	616.67	733.33	866.67	900
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 47.0 dBA	48.0 / 48.0 dBA	49.0 / 50.0 dBA	49.0 / 51.0 dBA
	Sound Power (Cooling) [dB(A)]	63.0 dBA	63.0 dBA	64.0 dBA	65.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	29.50 kg	45.00 kg	55.00 kg	55.00 kg
	Shipping Weight (kg)	32.00 kg	48.00 kg	59.00 kg	59.00 kg
	Net Dimensions (WxHxD) (mm)	720 x 548 x 265 mm	880 x 638 x 310 mm	880 x 798 x 310 mm	880 x 798 x 310 mm
	Shipping Dimensions (WxHxD) (mm)	844 x 622 x 353 mm	1024 x 750 x 414 mm	1023 x 891 x 413 mm	1023 x 891 x 413 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 50 °C	-15 ~ 50 °C	-15 ~ 50 °C	-15 ~ 50 °C
	Heating (°C)	-20 ~ 24 °C	-20 ~ 24 °C	-20 ~ 24 °C	-20 ~ 24 °C

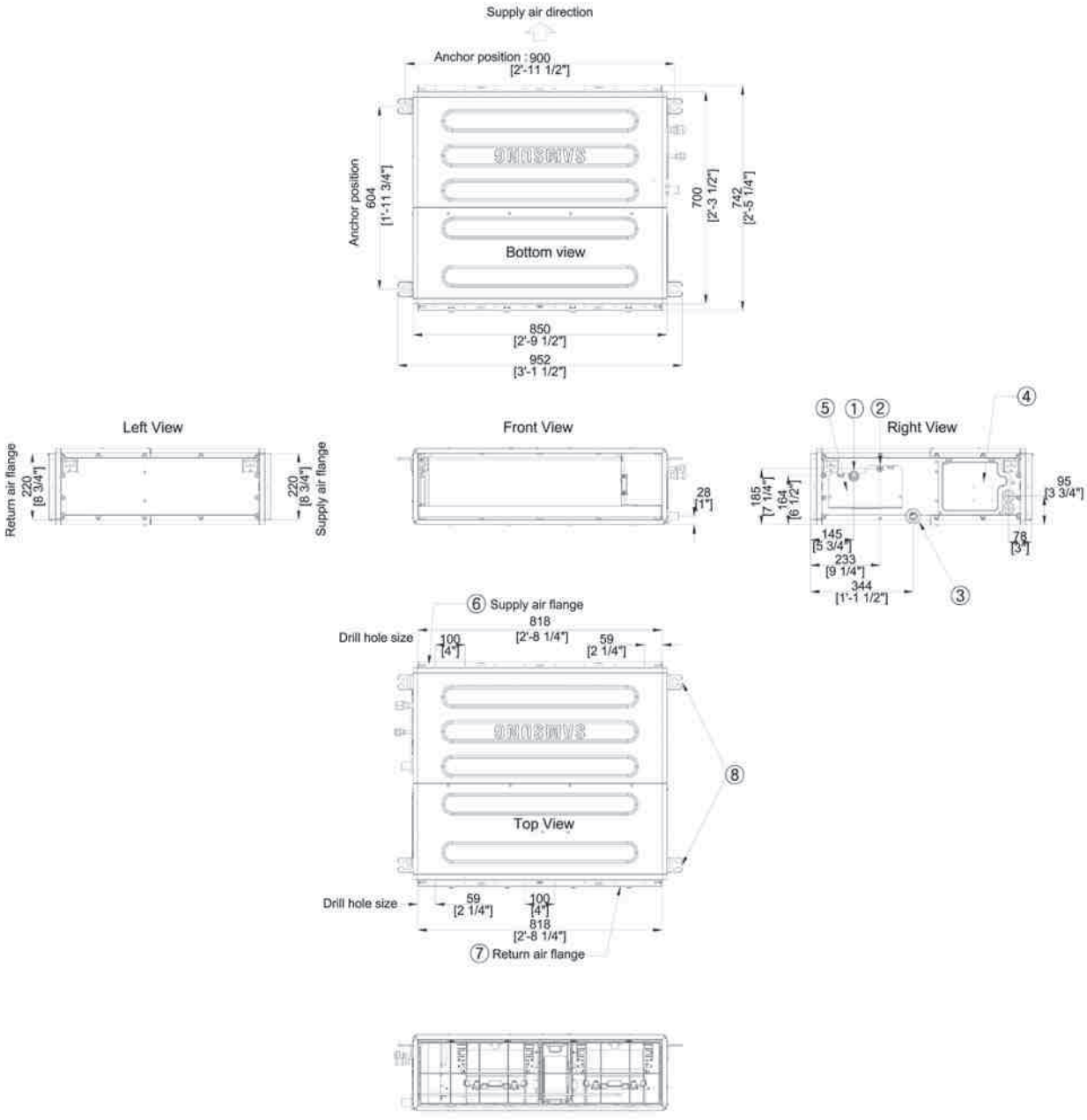
CAC MSP Duct

DIMENSIONAL DRAWINGS

AC035/52/60/71HBMDKH/EU



Units: mm

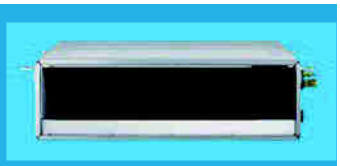


No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Refrigerant pipe conduits
6	Supply air flange
7	Return air flange
8	Hook

CAC MSP Duct

SPECIFICATIONS

AC090/100HBMDKH/EU

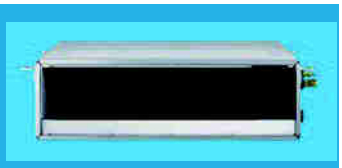


Model Code		AC090HBMDKH/EU	AC100HBMDKH/EU
Features	Type	Duct S (MSP)	Duct S (MSP)
Model Name	Indoor Unit	AC090HBMDKH/EU	AC100HBMDKH/EU
	Outdoor Unit	AC090HCADKH/EU	AC100HCADKH/EU
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	2.60/9.00/11.50 kW	2.80/10.00/12.00 kW
	Cooling [Btu/h]	8,900/30,700/39,200 Btu/h	9,600/34,100/40,900 Btu/h
	Heating [kW]	2.80/10.00/15.50 kW	2.90/11.20/15.50 kW
	Heating [Btu/h]	9,600/34,100/52,900 Btu/h	9,900/38,200/52,900 Btu/h
Power Input (Nominal)	Cooling	0.70/2.80/4.50 kW	0.75/3.22/5.00 kW
	Heating	0.65/2.77/5.50 kW	0.65/3.10/5.50 kW
Current Input (Nominal)	Cooling	4.00/13.00/19.50 A	4.30/15.00/21.50 A
	Heating	3.40/12.50/24.00 A	3.40/14.00/24.00 A
Power	MCA [A]	26.70 (MCA) A	26.70 (MCA) A
	MFA [A]	30.00 A	30.00 A
Energy Efficiency	EER (Nominal Cooling)	3.21	3.11
	COP (Nominal Heating)	3.61	3.61
	Energy Grade (Cooling)	SEER 5.7 (A+)	SEER 5.6 (A+)
	Energy Grade (Heating)	SCOP 4.0 (A+)	SCOP 4.0 (A+)
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"
	Installation Max. Length [m]	50(55) m	50(55) m
	Installation Max. Height [m]	30.0(30.0) m	30.0(30.0) m
Field Wiring	Power Source Wire	4	4
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	2.60 kg	2.60 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan (BLDC)	Sirocco Fan (BLDC)
	Motor (Output) [W]	153.00 W	153.00 W
	Number of Unit (EA)	3.00 EA	3.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	29.00/25.00/22.00 CMM	32.00/27.00/22.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	483.33/416.67/366.67	533.33/450.00/366.67
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/4.00/15.00 mmAq	0.00/4.00/15.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/39.23/147.10 Pa	0.00/39.23/147.10 Pa
Drain	Drain Pipe (Φ,mm)	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0 / 35.0 / 32.0 dBA	38.0 / 35.0 / 32.0 dBA
	Sound Power (Cooling) [dB(A)]	61.0 dBA	61.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	32.00 kg	32.00 kg
	Shipping Weight (kg)	37.00 kg	37.00 kg
	Net Dimensions (WxHxD) (mm)	1200 x 250 x 700 mm	1200 x 250 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	1450 x 320 x 780 mm	1450 x 320 x 780 mm
Additional Accessories	Drain Pump	MDP-G075SP	MDP-G075SP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG8T300LNBJU	UG8T300LNBJU
	Output (kW)	2.82 kW	2.82 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	1200.00 cc	1200.00 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	63.00 CMM	68.00 CMM
	Air Flow Rate (Cooling) [L/S]	1,050.00	1,133.33
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	52.0 / 54.0 dBA	52.0 / 54.0 dBA
	Sound Power (Cooling) [dB(A)]	68.0 dBA	69.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	70.00 kg	70.00 kg
	Shipping Weight (kg)	74.00 kg	74.00 kg
	Net Dimensions (WxHxD) (mm)	940 x 998 x 330 mm	940 x 998 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1096 x 426 mm	995 x 1096 x 426 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 50 °C	-15 ~ 50 °C
	Heating (°C)	-20 ~ 24 °C	-20 ~ 24 °C

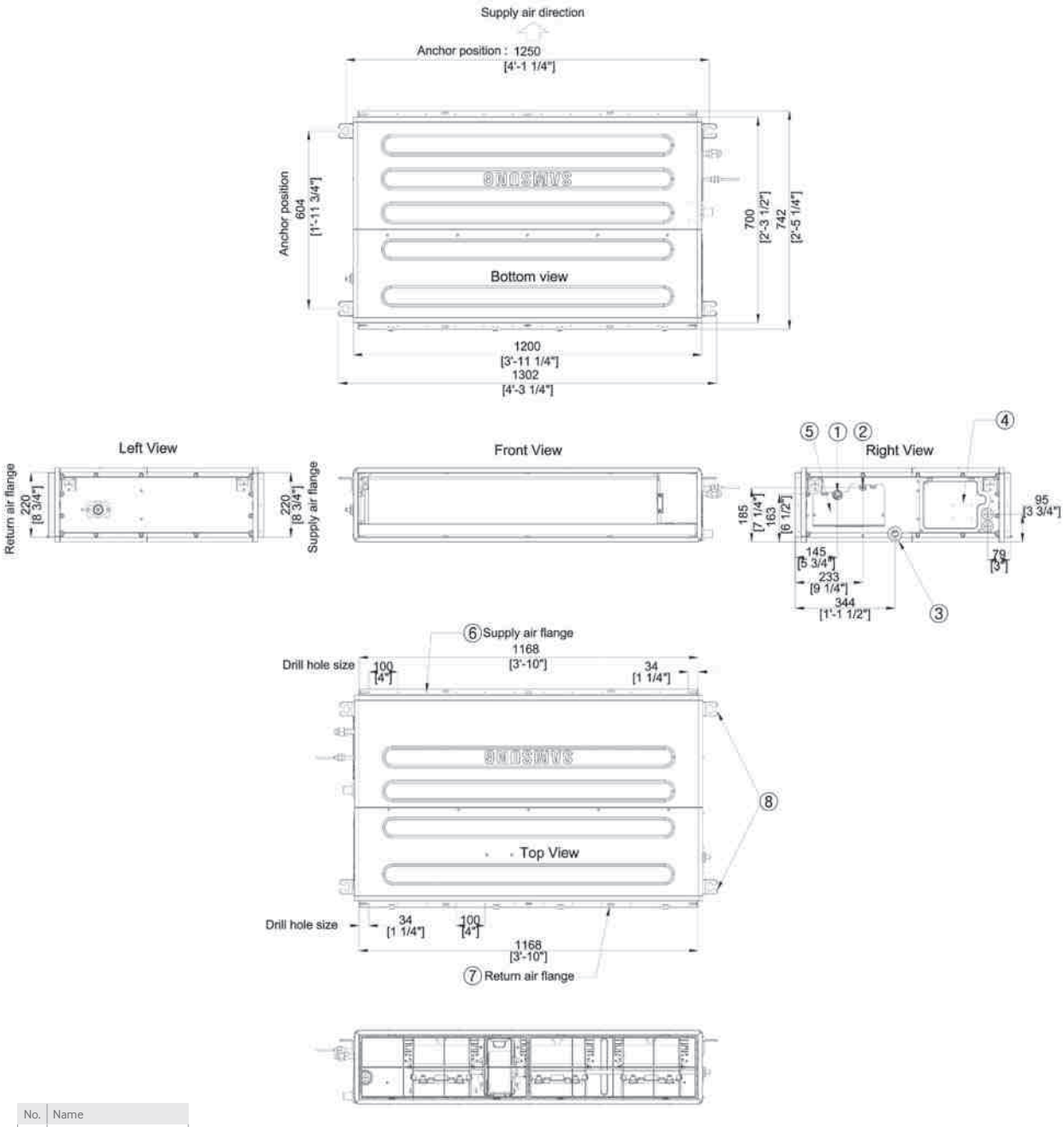
CAC MSP Duct

DIMENSIONAL DRAWINGS

AC090/100HBMDKH/EUU



Units: mm

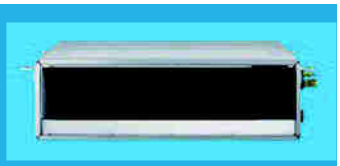


No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Refrigerant pipe conduits
6	Supply air flange
7	Return air flange
8	Hook

CAC MSP Duct

SPECIFICATIONS

AC120/140HBMDKH/EU

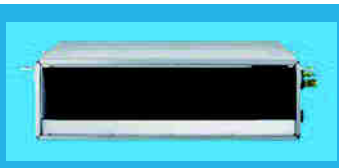


Model Code		AC120HBMDKH/EU	AC140HBMDKH/EU
Features	Type	Duct S (MSP)	Duct S (MSP)
Model Name	Indoor Unit	AC120HBMDKH/EU	AC140HBMDKH/EU
	Outdoor Unit	AC120HCADKH/EU	AC140HCADKH/EU
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	3.00/12.00/13.50 kW	4.60/14.00/15.40 kW
	Cooling [Btu/h]	10,200/40,900/46,100 Btu/h	15,700/47,800/52,500 Btu/h
	Heating [kW]	2.50/13.00/17.00 kW	3.70/16.00/18.00 kW
	Heating [Btu/h]	8,500/44,400/58,000 Btu/h	12,600/54,600/61,400 Btu/h
Power Input (Nominal)	Cooling	0.90/4.40/5.50 kW	1.00/4.63/5.50 kW
	Heating	0.70/3.50/5.90 kW	0.80/4.43/5.70 kW
Current Input (Nominal)	Cooling	5.00/19.50/24.00 A	5.60/21.60/24.00 A
	Heating	4.00/15.50/26.50 A	4.50/19.70/25.00 A
Power	MCA [A]	26.70 (MCA) A	26.70 (MCA) A
	MFA [A]	30.00 A	30.00 A
Energy Efficiency	EER (Nominal Cooling)	2.73	3.02
	COP (Nominal Heating)	3.71	3.61
	Energy Grade (Cooling)	SEER 5.3 (A)	-
	Energy Grade (Heating)	SCOP 4.0 (A+)	-
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8""	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8""	5/8"
	Installation Max. Length [m]	50(55) m	75(75) m
	Installation Max. Height [m]	30.0(30.0) m	30.0(30.0) m
Field Wiring	Power Source Wire	4	4
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	2.70 kg	2.80 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan	Sirocco Fan (BLDC)
	Motor (Output) [W]	244.00 W	244.00 W
	Number of Unit (EA)	3.00 EA	3.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	38.00/32.00/25.00 CMM	42.00/34.00/25.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	633.33/533.33/416.67	700.00/566.67/416.67
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/5.20/15.00 mmAq	0.00/5.20/15.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/50.99/147.10 Pa	0.00/50.99/147.10 Pa
Drain	Drain Pipe (Φ,mm)	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	39.0 / 36.0 / 33.0 dBA	40.0 / 37.0 / 33.0 dBA
	Sound Power (Cooling) [dB(A)]	65.0 dBA	66.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	36.00 kg	36.00 kg
	Shipping Weight (kg)	42.00 kg	42.00 kg
	Net Dimensions (WxHxD) (mm)	1300 x 300 x 700 mm	1300 x 300 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	1550 x 370 x 780 mm	1550 x 370 x 780 mm
Additional Accessories	Drain Pump	-	MDP-G075SP
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5T450FUEJXSG	UG5T450FUEJX
	Output (kW)	4.12 kW	4.12 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	1700.00 cc	1700.00 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	70.00 CMM	100.00 CMM
	Air Flow Rate (Cooling) [L/S]	1,166.67	1,666.67
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	54.0 / 58.0 dBA	53.0 / 54.0 dBA
	Sound Power (Cooling) [dB(A)]	70.0 dBA	70.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	77.00 kg	88.00 kg
	Shipping Weight (kg)	82.00 kg	98.00 kg
	Net Dimensions (WxHxD) (mm)	940 x 998 x 330 mm	940 x 1210 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1096 x 426 mm	995 x 1388 x 426 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 50 °C	-15 ~ 50 °C
	Heating (°C)	-20 ~ 24 °C	-20 ~ 24 °C

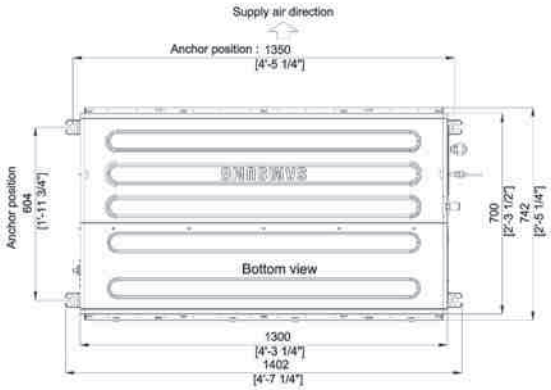
CAC MSP Duct

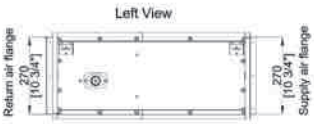
DIMENSIONAL DRAWINGS

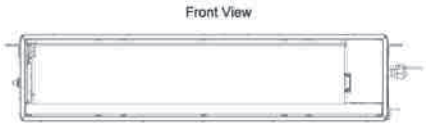
AC120/140HBMDKH/EU

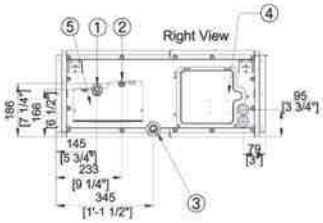


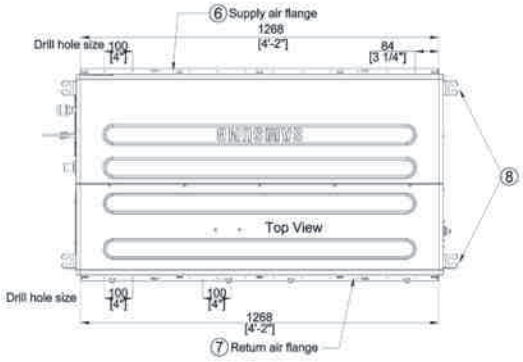
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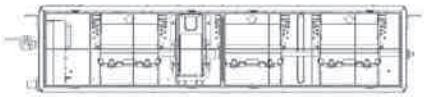












No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Refrigerant pipe conduits
6	Supply air flange
7	Return air flange
8	Hook

CAC HSP Duct

SPECIFICATIONS
AC180/200JNHPKH/EU



Model Code		AC180JNHPKH/EU	AC200JNHPKH/EU
Features	Type	HSP Duct	HSP Duct
Model Name	Indoor Unit	AC180JNHPKH/EU	AC200JNHPKH/EU
	Outdoor Unit	AC180JXAPNH/EU	AC200JXAPNH/EU
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	6.00/18.00/20.00 kW	6.20/20.00/22.50 kW
	Cooling [Btu/h]	20,500/61,400/68,200 Btu/h	21,200/68,200/76,800 Btu/h
	Heating [kW]	4.80/20.00/22.50 kW	5.00/22.00/25.00 kW
	Heating [Btu/h]	16,400/68,200/76,800 Btu/h	17,100/75,100/85,300 Btu/h
Power Input (Nominal)	Cooling	1.30/5.45/7.30 kW	1.40/6.23/11.00 kW
	Heating	1.20/5.54/7.60 kW	2.30/6.09/11.50 kW
Current Input (Nominal)	Cooling	2.30/8.40/16.10 A	2.70/10.80/17.00 A
	Heating	2.20/8.60/16.10 A	4.10/10.00/16.10 A
Power	MCA [A]	14.50 (MCA)	25.00 (MCA)
	MFA [A]	15.95	31.25
Energy Efficiency	EER (Nominal Cooling)	3.3	3.21
	COP (Nominal Heating)	3.61	3.61
	Energy Grade (Cooling)	Energy Grade (C) A	Energy Grade (C) A
	Energy Grade (Heating)	Energy Grade (H) A	Energy Grade (H) A
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"
	Gas Pipe (Φ, mm)	19.05 mm	19.05 mm
	Gas Pipe (Φ, inch)	3/4"	3/4"
	Installation Max. Length [m]	75 m	75 m
	Installation Max. Height [m]	30.0 m	30.0 m
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	4.60 kg	8.00 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	500.00 W	500.00 W
	Number of Unit (EA)	2.00 EA	2.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	71.00/60.00/50.00 CMM	72.00/61.00/51.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	1,183.33/1,000.00/833.33	1,200.00/1,016.67/850.00
	External Static Pressure (Min / Std / Max) [mmAq]	5.10/6.12/20.00 mmAq	5.10/7.34/20.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	50.01/60.02/196.13 Pa	50.01/71.98/196.13 Pa
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	43.0 / 39.0 / 35.0 dBA	44.0 / 40.0 / 36.0 dBA
	Sound Power (Cooling) [dB(A)]	76 dB	77 dB
External Dimension (Indoor Unit)	Net Weight (kg)	82.50 kg	82.50 kg
	Shipping Weight (kg)	92.00 kg	92.00 kg
	Net Dimensions (WxHxD) (mm)	1350 x 450 x 910 mm	1350 x 450 x 910 mm
	Shipping Dimensions (WxHxD) (mm)	1612 x 519 x 984 mm	1612 x 519 x 984 mm
Additional Accessories	Drain Pump	MDP-G075SP, MDP-G075SQ	MDP-G075SP, MDP-G075SQ
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	BLDC Scroll
	Model	UGST520FUBJX	DS-GB052FAVA
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	110.00 CMM	176.00 CMM
	Air Flow Rate (Cooling) [L/S]	1,833.33	2,933.33
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	55.0 / 57.0 dBA	57.0 / 59.0 dBA
	Sound Power (Cooling) [dB(A)]	- dBA	- dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	107.50 kg	190.00 kg
	Shipping Weight (kg)	117.50 kg	195.00 kg
	Net Dimensions (WxHxD) (mm)	940 x 1420 x 330 mm	880 x 1695 x 765 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1598 x 426 mm	948 x 1887 x 832 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 50 °C	-15 ~ 50 °C
	Heating (°C)	-20 ~ 24 °C	-20 ~ 24 °C

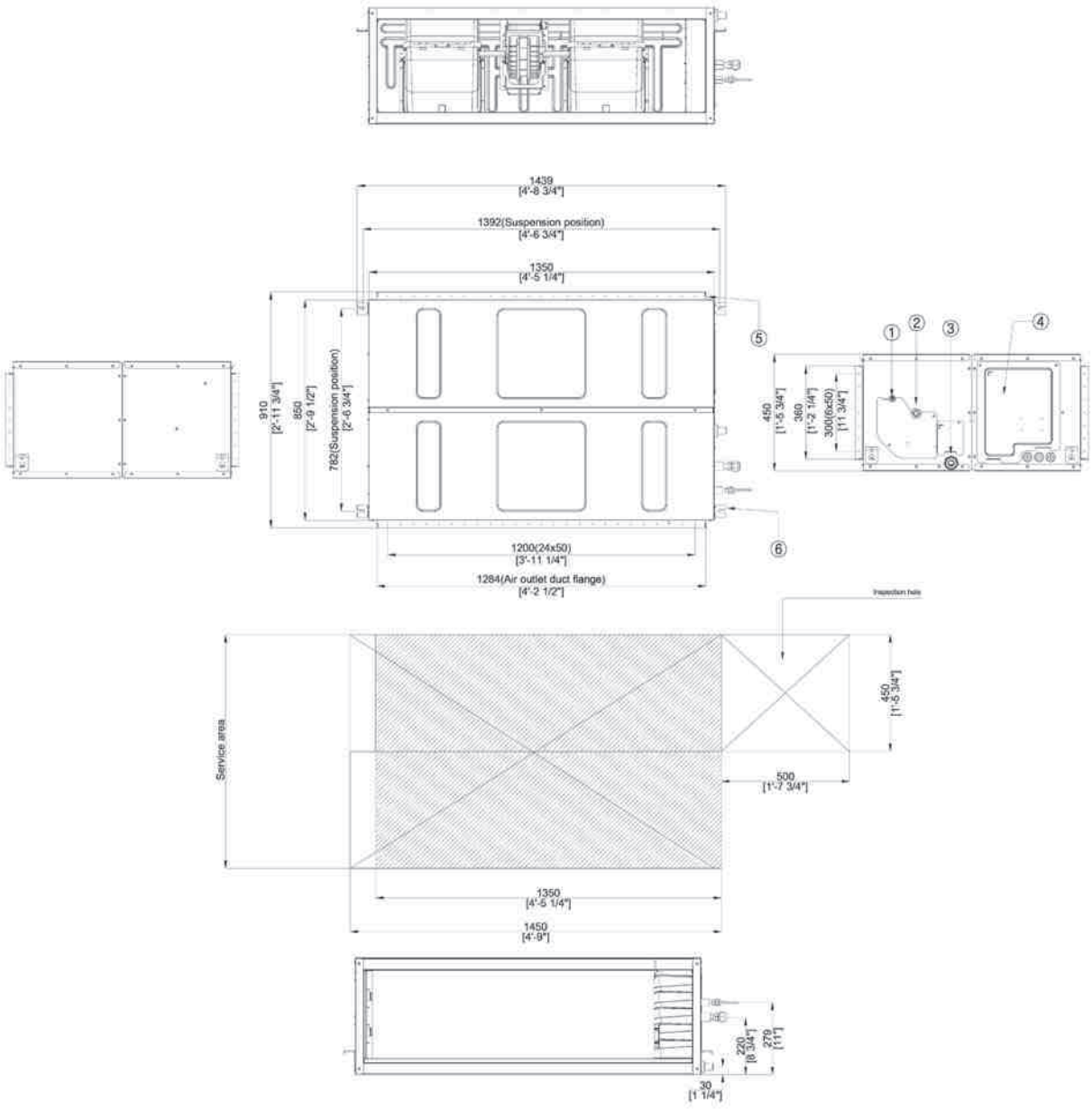
CAC HSP Duct

DIMENSIONAL DRAWINGS

AC180/200JNHPKH/EU



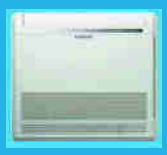
Units: mm



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

CAC Console

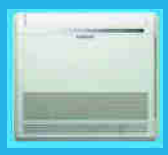
SPECIFICATIONS
AC026/35FBJDEH/EU



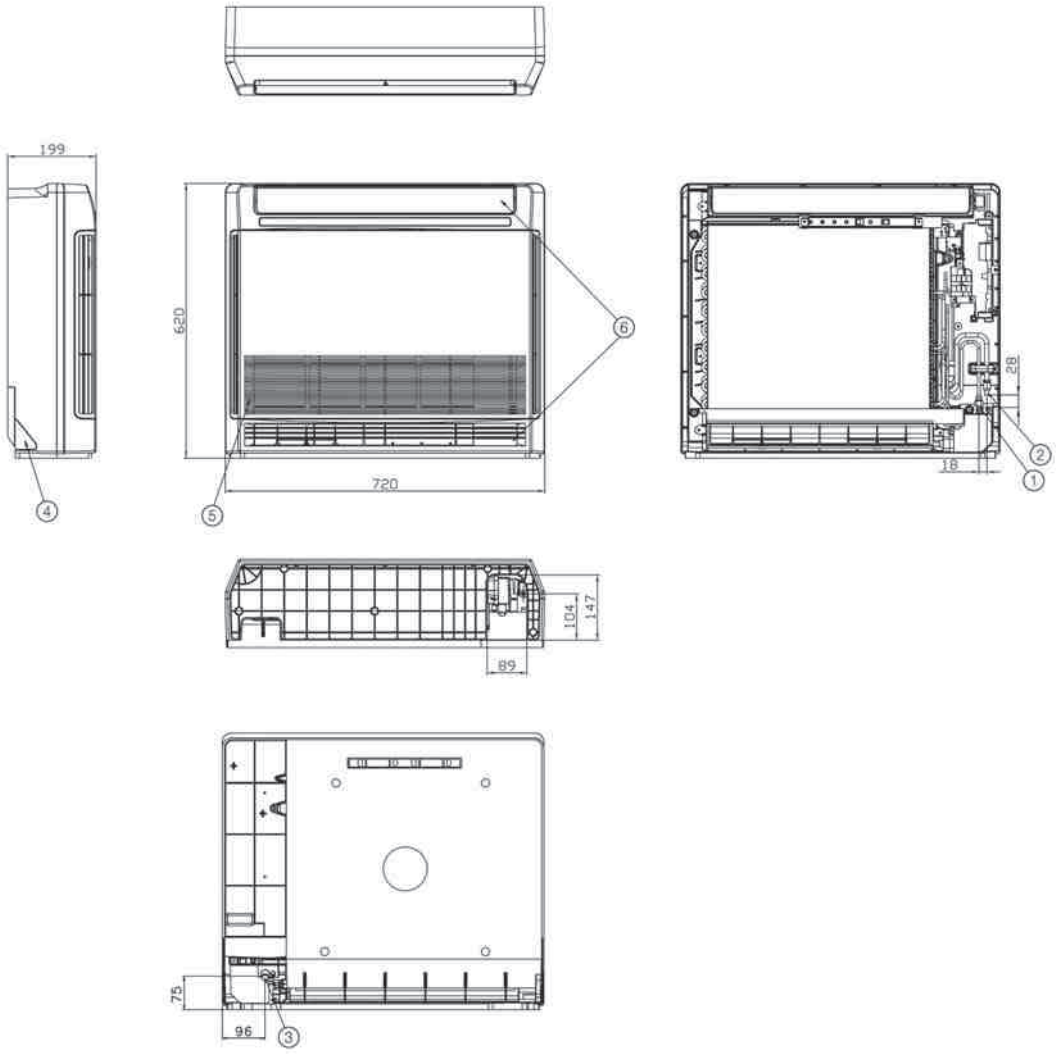
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Features	Type	Console	Console
Model Name	Indoor Unit	AC026FBJDEH/EU	AC035FBJDEH/EU
	Outdoor Unit	AC026FCADEH/EU	AC035FCADEH/EU
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	0.98/2.60/3.40 kW	1.20/3.50/3.90 kW
	Cooling [Btu/h]	3,300/8,900/11,600 Btu/h	4,100/11,900/13,300 Btu/h
	Heating [kW]	0.95/3.50/4.20 kW	1.04/4.00/4.40 kW
	Heating [Btu/h]	3,200/11,900/14,300 Btu/h	3,500/13,600/15,000 Btu/h
Power Input (Nominal)	Cooling	0.23/0.81/1.20 kW	0.24/1.29/1.50 kW
	Heating	0.21/1.06/1.30 kW	0.21/1.33/1.40 kW
Current Input (Nominal)	Cooling	1.60/4.00/5.50 A	1.60/6.00/7.00 A
	Heating	1.30/5.00/6.50 A	1.30/6.20/7.20 A
Power	MCA [A]	10.30 (MCA) A	10.30 (MCA) A
	MFA [A]	12.50 A	12.50 A
Energy Efficiency	EER (Nominal Cooling)	3.21	2.71
	COP (Nominal Heating)	3.3	3.01
	Energy Grade (Cooling)	SEER 5.40 (A)	SEER 5.40 (A)
	Energy Grade (Heating)	SCOP 4.00 (A+)	SCOP 3.90 (A)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	9.52 mm
	Gas Pipe (Φ, inch)	3/8"	3/8"
	Installation Max. Length [m]	20 m	20 m
	Installation Max. Height [m]	15.0 m	15.0 m
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	-	-
	Factory Charging (kg)	0.95 kg	0.95 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo Fan/BLDC	Turbo Fan/BLDC
	Motor (Output) [W]	35.00 W	35.00 W
	Number of Unit (EA)	1.00 EA	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	8.50/7.50/6.50 CMM	9.80/8.50/7.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	141.67/125.00/108.33	163.33/141.67/125.00
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq	- mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa	- Pa
Drain	Drain Pipe (Φ,mm)	VP18 (OD 19,ID 16) mm	VP18 (OD 19,ID 16) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0 / 30.5 / 23.0 dBA	39.0 / 31.5 / 24.0 dBA
	Sound Power (Cooling) [dB(A)]	53.0 dBA	55.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	15.20 kg	15.20 kg
	Shipping Weight (kg)	20.30 kg	20.30 kg
	Net Dimensions (WxHxD) (mm)	720 x 620 x 199 mm	720 x 620 x 199 mm
	Shipping Dimensions (WxHxD) (mm)	810 x 710 x 299 mm	810 x 710 x 299 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	Single BLDC Rotary	Single BLDC Rotary
	Model	UG4C090LUDJR	UG4C090LUDJR
	Output(kW)	0.86 kW	0.86 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	- cc	- cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	29.00 CMM	30.00 CMM
	Air Flow Rate (Cooling) [L/S]	483.33	500
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 47.0 dBA	47.0 / 47.0 dBA
	Sound Power (Cooling) [dB(A)]	61.0 dBA	61.0 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	33.00 kg	33.00 kg
	Shipping Weight (kg)	37.00 kg	37.00 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm	790 x 548 x 285 mm
	Shipping Dimensions (WxHxD) (mm)	926 x 655 x 382 mm	926 x 655 x 382 mm
Operating Temp. Range	Cooling (°C)	-10 ~ 46 °C	-10 ~ 46 °C
	Heating (°C)	-15 ~ 24 °C	-15 ~ 24 °C

CAC Console

DIMENSIONAL DRAWINGS
AC026/35FBJDEH/EU



Units: mm



No.	Name	Description	
		2.6kW	3.5kW
1	Liquid pipe connection	Ø6.35mm (1/4") Flare	
2	Gas pipe connection	Ø9.52mm (3/8") Flare	
3	Drain pipe connection	ID18 Hose	
4	Conduit for power supply and communication wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	-	

CAC Console

SPECIFICATIONS

AC052HBJDEH/EU



Model Code		AC052HBJDEH/EU
Features	Type	Console
Model Name	Indoor Unit	AC052HBJDEH/EU
	Outdoor Unit	AC052FCADEH/EU
System	Mode	HEAT PUMP
Capacity	Cooling [kW]	1.90/5.00/5.50 kW
	Cooling [Btu/h]	6,500/17,100/18,800 Btu/h
	Heating [kW]	1.50/5.60/6.50 kW
	Heating [Btu/h]	5,100/19,100/22,200 Btu/h
Power Input (Nominal)	Cooling	0.25/1.78/2.20 kW
	Heating	0.25/1.92/2.50 kW
Current Input (Nominal)	Cooling	2.60/8.00/10.00 A
	Heating	2.30/8.70/14.00 A
Power	MCA [A]	10.80 (MCA) A
	MFA [A]	13.13 A
Energy Efficiency	EER (Nominal Cooling)	2.81
	COP (Nominal Heating)	2.92
	Energy Grade (Cooling)	SEER 5.40 (A)
	Energy Grade (Heating)	SCOP 3.80 (A)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"
	Gas Pipe (Φ, mm)	12.70 mm
	Gas Pipe (Φ, inch)	1/2"
	Installation Max. Length [m]	30(35) m
	Installation Max. Height [m]	20.0(20.0) m
Field Wiring	Power Source Wire	2
	Transmission Cable	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	-
	Factory Charging (kg)	1.40 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Fan	Type	Turbo Fan/BLDC
	Motor (Output) [W]	35.00 W
	Number of Unit (EA)	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	13.00/11.50/10.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	216.67/191.67/166.67
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa
Drain	Drain Pipe (Φ,mm)	ID 18 HOSE mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	44.0 / 34.5 / 25.0 dBA
	Sound Power (Cooling) [dB(A)]	60.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	15.20 kg
	Shipping Weight (kg)	20.30 kg
	Net Dimensions (WxHxD) (mm)	720 x 620 x 199 mm
	Shipping Dimensions (WxHxD) (mm)	810 x 710 x 299 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Compressor	Type	Twin BLDC Rotary
	Model	UG4T150FUDJQDO
	Output(kW)	1.37 kW
	Oil (Type)	POE
	Oil (Initial Charge) [cc]	650.00 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	33.00 CMM
	Air Flow Rate (Cooling) [L/S]	550
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	49.0 / 49.0 dBA
	Sound Power (Cooling) [dB(A)]	64.0 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	38.50 kg
	Shipping Weight (kg)	42.50 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm
	Shipping Dimensions (WxHxD) (mm)	926 x 655 x 382 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 46 °C
	Heating (°C)	-15 ~ 24 °C

CAC Console

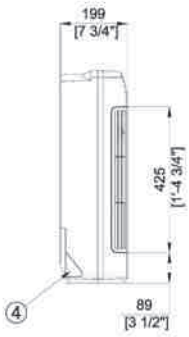
DIMENSIONAL DRAWINGS

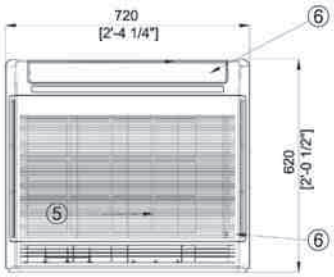
AC052HBJDEH/EU

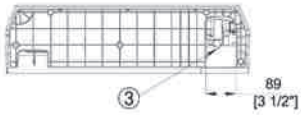


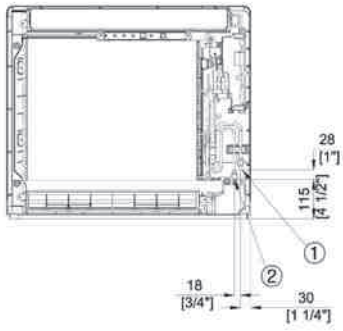
Units: mm











No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Air inlet grille
6	Air outlet grille

CAC Ceiling

SPECIFICATIONS
AC100/120/140/160JNCDEH/EU



Model Code		AC100JNCDEH/EU	AC120JNCDEH/EU	AC140JNCDEH/EU	AC160JNCDEH/EU
Features	Type	Ceiling	Ceiling	Ceiling	Ceiling
Model Name	Indoor Unit	AC100JNCDEH/EU	AC120JNCDEH/EU	AC140JNCDEH/EU	AC160JNCDEH/EU
	Outdoor Unit	AC100JXADEH/EU	AC120JXADEH/EU	AC140JXADEH/EU	AC160JXADGH/EU
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	2.80/10.00/12.00 kW	3.50/12.00/13.50 kW	4.30/14.00/15.40 kW	4.30/15.00/17.30 kW
	Cooling [Btu/h]	9,600/34,100/40,900 Btu/h	11,900/40,900/46,100 Btu/h	14,700/47,800/52,500 Btu/h	14,700/51,200/59,000 Btu/h
	Heating [kW]	2.90/11.20/15.50 kW	3.80/13.00/16.50 kW	4.70/16.00/18.00 kW	4.70/17.50/19.00 kW
	Heating [Btu/h]	9,900/38,200/52,900 Btu/h	13,000/44,400/56,300 Btu/h	16,000/54,600/61,400 Btu/h	16,000/59,700/64,800 Btu/h
Power Input (Nominal)	Cooling	0.75/3.45/5.00 kW	0.90/4.70/5.50 kW	0.90/4.65/5.50 kW	0.90/5.28/6.40 kW
	Heating	0.65/3.15/5.50 kW	0.70/3.75/5.60 kW	0.80/4.43/5.70 kW	0.80/4.86/6.50 kW
Current Input (Nominal)	Cooling	4.30/15.00/21.50 A	5.10/20.40/23.50 A	5.10/20.20/23.50 A	1.70/8.20/9.80 A
	Heating	3.40/13.70/21.80 A	3.90/16.40/22.80 A	4.50/19.30/23.50 A	1.70/7.50/10.00 A
Power	MCA [A]	26.70 (MCA) A	26.70 (MCA) A	26.70 (MCA) A	14.70 (MCA) A
	MFA [A]	30.00 A	30.00 A	30.00 A	16.20 A
Energy Efficiency	EER (Nominal Cooling)	2.9	2.55	3.01	2.84
	COP (Nominal Heating)	3.56	3.47	3.61	3.6
	Energy Grade (Cooling)	Energy Grade(C) A+	Energy Grade(C) A+	-	-
	Energy Grade (Heating)	Energy Grade(H) A	Energy Grade(H) A+	-	-
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"	5/8"
	Installation Max. Length [m]	50 m	50 m	75 m	75 m
	Installation Max. Height [m]	30.0 m	30.0 m	30.0 m	30.0 m
Field Wiring	Power Source Wire	-	-	-	-
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV	EEV	EEV	-
	Factory Charging (kg)	2.80 kg	2.90 kg	3.20 kg	3.50 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirroco	Sirroco	Sirroco	Sirroco
	Motor (Output) [W]	244.00 W	244.00 W	244.00 W	244.00 W
	Number of Unit (EA)	1.0 EA	1.0 EA	1.0 EA	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	26.00/23.00/19.00 CMM	30.00/24.00/20.00 CMM	34.00/27.00/23.00 CMM	37.00/31.00/26.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	433.33/383.33/316.67	500.00/400.00/333.33	566.67/450.00/383.33	616.67/516.67/433.33
Drain	Drain Pipe (Φ,mm)	VP20 (OD 25,ID 20) mm	VP20 (OD 25,ID 20) mm	VP20 (OD 25,ID 20) mm	VP20 (OD 25,ID 20) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	42.0 / 38.0 / 34.0 dBA	44.0 / 41.0 / 37.0 dBA	46.0 / 42.0 / 38.0 dBA	51.0 / 47.0 / 44.0 dBA
	Sound Power (Cooling) [dB(A)]	60.0 dBA	62.0 dBA	64.0 dBA	- dBA
External Dimension (Indoor Unit)	Net Weight (kg)	42.00 kg	42.00 kg	42.00 kg	42.00 kg
	Shipping Weight (kg)	48.00 kg	48.00 kg	48.00 kg	48.00 kg
	Net Dimensions (WxHxD) (mm)	1650 x 675 x 235 mm	1650 x 675 x 235 mm	1650 x 675 x 235 mm	1650 x 675 x 235 mm
	Shipping Dimensions (WxHxD) (mm)	1739 x 758 x 321 mm	1739 x 758 x 321 mm	1739 x 758 x 321 mm	1739 x 758 x 321 mm
Additional Accessory	Air Filter	PRE FILTER	PRE FILTER	PRE FILTER	-
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG8T300LNBJU	UG5T450FUEJX	UG5T450FUEJX	UG5T450FUEJX
	Output (kW)	2.82 kW	4.12 kW	4.12 kW	4.12 kW
	Oil (Type)	POE	POE	POE	POE
	Oil (Initial Charge) [cc]	- cc	- cc	- cc	- cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	68.00 CMM	70.00 CMM	100.00 CMM	115.00 CMM
	Air Flow Rate (Cooling) [L/S]	1,133.33	1,166.67	1,666.67	1,916.67
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	52.0 / 54.0 dBA	54.0 / 56.0 dBA	53.0 / 54.0 dBA	56.0 / 58.0 dBA
	Sound Power (Cooling) [dB(A)]	69.0 dBA	70.0 dBA	70.0 dBA	- dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	70.00 kg	77.00 kg	88.00 kg	96.00 kg
	Shipping Weight (kg)	74.00 kg	82.00 kg	98.00 kg	106.00 kg
	Net Dimensions (WxHxD) (mm)	940 x 998 x 330 mm	940 x 998 x 330 mm	940 x 1210 x 330 mm	940 x 1420 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1096 x 426 mm	995 x 1096 x 426 mm	995 x 1388 x 426 mm	995 x 1598 x 426 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 50 °C	-15 ~ 50 °C	-15 ~ 50 °C	-15 ~ 50 °C
	Heating (°C)	-20 ~ 24 °C	-20 ~ 24 °C	-20 ~ 24 °C	-20 ~ 24 °C

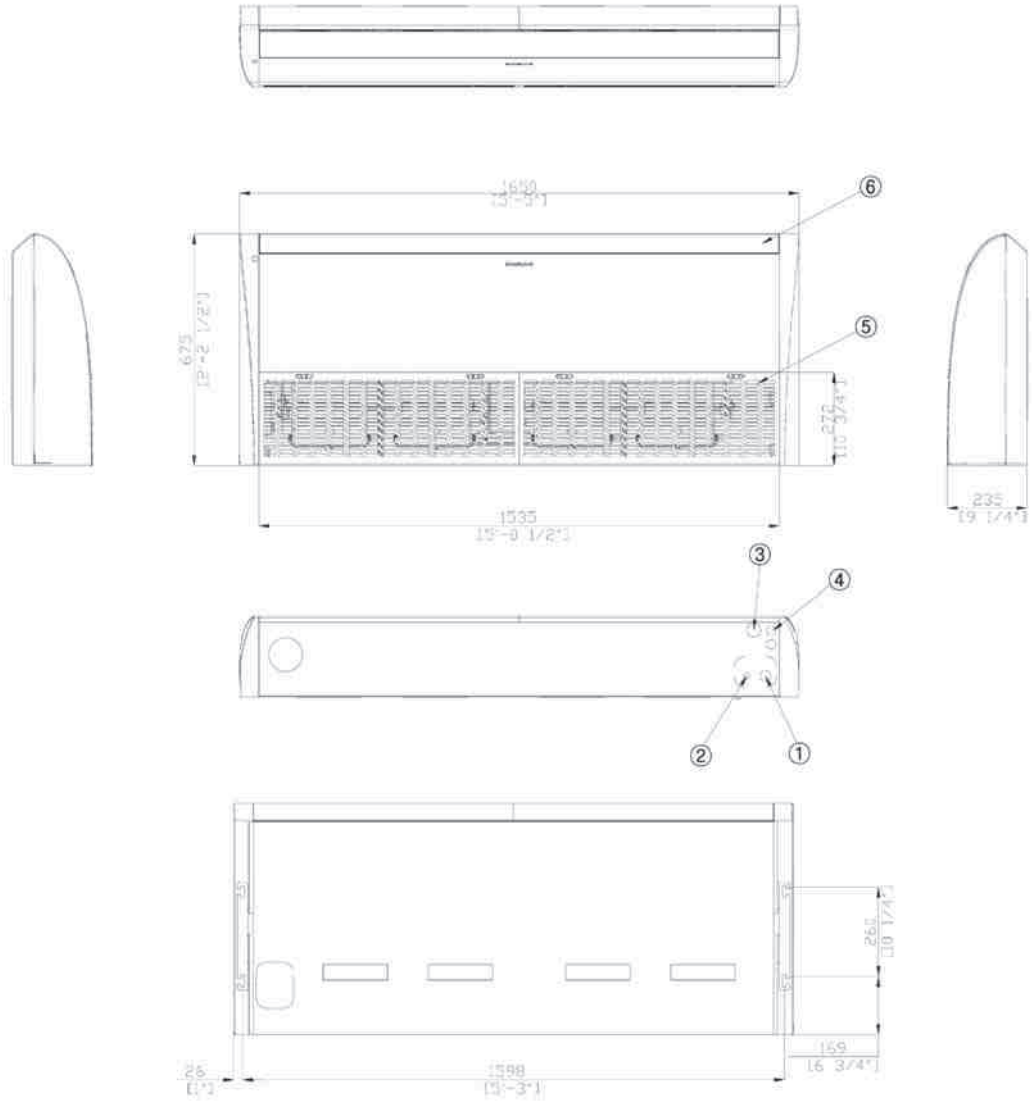
CAC Ceiling

DIMENSIONAL DRAWINGS

AC100/120/140/160JNCDEH/EU



Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Air inlet grille
6	Air outlet grille

CAC High Wall (Maldives)

SPECIFICATIONS

AC026/35FBRDEH/EU



Model Code		AC026FBRDEH/EU	AC035FBRDEH/EU
Features	Type	Maldives	Maldives
Model Name	Indoor Unit	AC026FBRDEH/EU	AC035FBRDEH/EU
	Outdoor Unit	AC026FCADEH/EU	AC035FCADEH/EU
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	1.20/2.61/3.49 kW	1.20/3.50/3.70 kW
	Cooling [Btu/h]	4,100/8,900/11,900 Btu/h	4,100/11,900/12,600 Btu/h
	Heating [kW]	0.94/3.49/4.19 kW	1.04/4.00/4.40 kW
	Heating [Btu/h]	3,200/11,900/14,300 Btu/h	3,500/13,600/15,000 Btu/h
Power Input (Nominal)	Cooling	0.23/0.64/1.49 kW	0.24/1.09/1.50 kW
	Heating	0.21/0.97/1.14 kW	0.21/1.17/1.40 kW
Current Input (Nominal)	Cooling	1.60/3.40/7.00 A	1.60/5.10/7.00 A
	Heating	1.30/5.00/5.40 A	1.30/5.80/6.50 A
Power	MCA [A]	10.30 (MCA) A	10.30 (MCA) A
	MFA [A]	12.50 A	12.50 A
Energy Efficiency	EER (Nominal Cooling)	4.08	3.21
	COP (Nominal Heating)	3.6	3.42
	Energy Grade (Cooling)	SEER 5.9 (A+)	SEER 5.6 (A+)
	Energy Grade (Heating)	SCOP 3.9 (A)	SCOP 3.9 (A)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	9.52 mm
	Gas Pipe (Φ, inch)	3/8"	3/8"
	Installation Max. Length [m]	20(25) m	20(25) m
	Installation Max. Height [m]	15.0(15.0) m	15.0(15.0) m
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	0.95 kg	0.95 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	35.00 W	35.00 W
	Number of Unit (EA)	1.00 EA	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	10.50/9.50/8.00 CMM	8.00/7.00/6.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	175.00/158.33/133.33	133.33/116.67/100.00
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq	- mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa	- Pa
Drain	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	35.0 / 31.0 / 24.0 dBA	37.0 / 32.0 / 25.0 dBA
	Sound Power (Cooling) [dB(A)]	53.0 dBA	55.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	8.20 kg	8.20 kg
	Shipping Weight (kg)	10.20 kg	10.20 kg
	Net Dimensions (WxHxD) (mm)	820 x 285 x 205 mm	820 x 285 x 205 mm
	Shipping Dimensions (WxHxD) (mm)	892 x 355 x 263 mm	892 x 355 x 263 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	Single BLDC Rotary	Single BLDC Rotary
	Model	UG4C090LUDJR	UG4C090LUDJR
	Output (kW)	0.86 kW	0.86 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	320.00 cc	320.00 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	29.00 CMM	30.00 CMM
	Air Flow Rate (Cooling) [L/S]	483.33	500
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 47.0 dBA	47.0 / 47.0 dBA
	Sound Power (Cooling) [dB(A)]	60.0 dBA	62.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	33.00 kg	33.00 kg
	Shipping Weight (kg)	37.00 kg	37.00 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm	790 x 548 x 285 mm
	Shipping Dimensions (WxHxD) (mm)	926 x 655 x 382 mm	926 x 655 x 382 mm
Operating Temp. Range	Cooling (°C)	-10 ~ 46 °C	-10 ~ 46 °C
	Heating (°C)	-15 ~ 24 °C	-15 ~ 24 °C

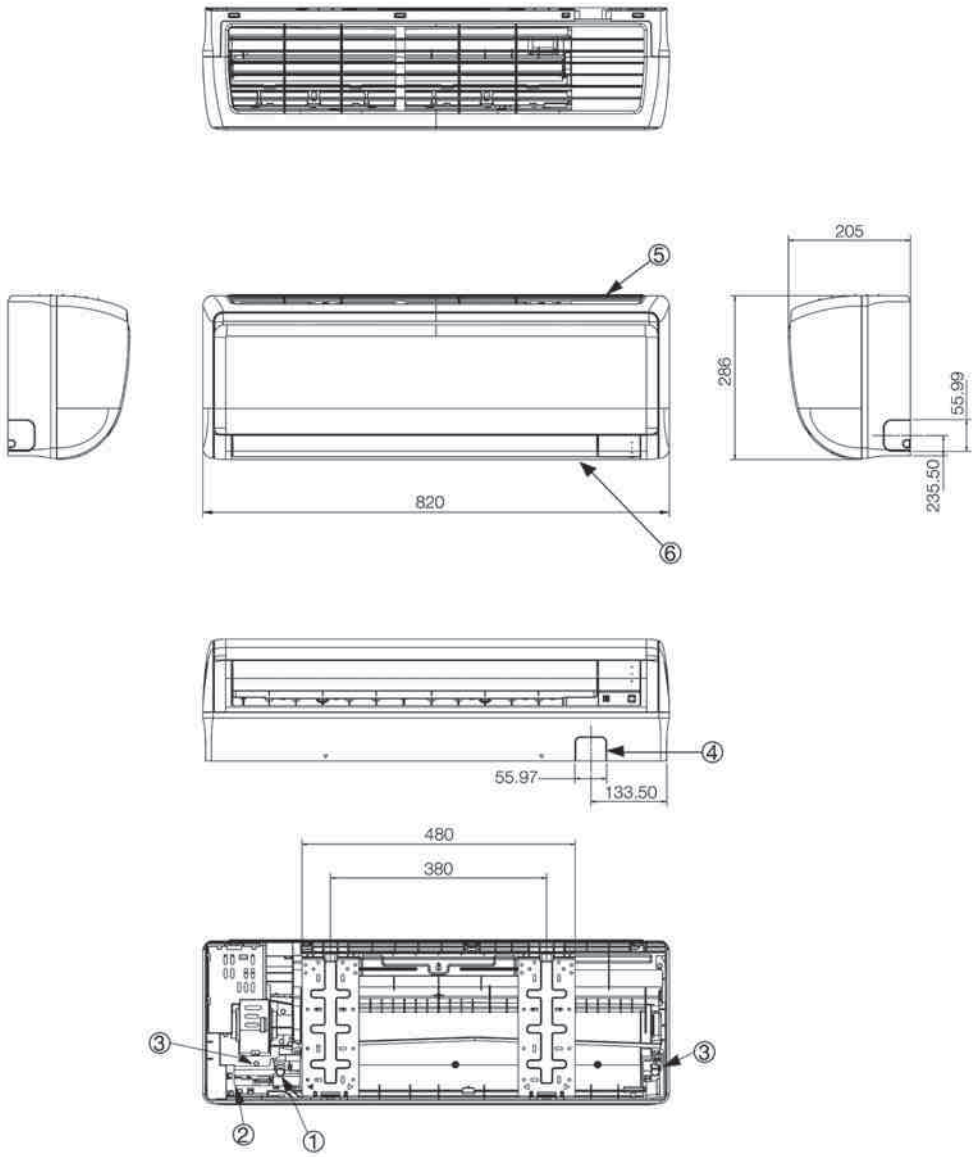
CAC High Wall (Maldives)

SPECIFICATIONS

AC026/35FBRDEH/EU



Units: mm



No.	Name	Description	
		2.6kW	3.5kW
1	Liquid pipe connection	Ø6.35mm Flare	
2	Gas pipe connection	Ø9.52mm Flare	
3	Drain pipe connection	ID18 Hose	
4	Conduit for power supply and communication wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	-	

CAC High Wall (Maldives)

SPECIFICATIONS

AC052/71FBRDEH/EU



Model Code		AC052FBRDEH/EU	AC071FBRDEH/EU
Features	Type	Maldives	Maldives
Model Name	Indoor Unit	AC052FBRDEH/EU	AC071FBRDEH/EU
	Outdoor Unit	AC052FCADEH/EU	AC071FCADEH/EU
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	1.90/5.00/6.05 kW	2.20/7.10/8.00 kW
	Cooling [Btu/h]	6,500/17,100/20,600 Btu/h	7,500/24,200/27,300 Btu/h
	Heating [kW]	1.50/6.00/6.25 kW	1.90/8.00/9.00 kW
	Heating [Btu/h]	5,100/20,500/21,300 Btu/h	6,500/27,300/30,700 Btu/h
Power Input (Nominal)	Cooling	0.40/1.61/2.20 kW	0.35/2.36/4.00 kW
	Heating	0.34/1.76/3.15 kW	0.35/2.85/4.00 kW
Current Input (Nominal)	Cooling	2.60/7.20/9.80 A	2.00/10.50/21.00 A
	Heating	2.30/8.30/14.00 A	2.00/13.00/21.00 A
Power	MCA [A]	10.80 (MCA) A	20.30 (MCA) A
	MFA [A]	13.10 A	25.00 A
Energy Efficiency	EER (Nominal Cooling)	3.11	3.01
	COP (Nominal Heating)	3.41	2.81
	Energy Grade (Cooling)	SEER 6.20 (A++)	SEER 6.00 (A+)
	Energy Grade (Heating)	SCOP 3.80 (A)	SCOP 3.80 (A)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"
	Installation Max. Length [m]	30 m	50(55) m
	Installation Max. Height [m]	20.0 m	30.0(30.0) m
Field Wiring	Power Source Wire	2	2.5 ~ 4.0
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	1.40 kg	1.80 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	27.00 W	27.00 W
	Number of Unit (EA)	1.00 EA	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	15.00/13.20/11.50 CMM	15.00/13.40/11.80 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	250.00/220.00/191.67	250.00/223.33/196.67
	External Static Pressure (Min / Std / Max) [mmAq]	- mmAq	- mmAq
	External Static Pressure (Min / Std / Max) [Pa]	- Pa	- Pa
Drain	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0 / 35.0 / 30.0 dBA	44.0 / 37.0 / 31.0 dBA
	Sound Power (Cooling) [dB(A)]	60.0 dBA	63.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	11.50 kg	11.50 kg
	Shipping Weight (kg)	14.50 kg	14.50 kg
	Net Dimensions (WxHxD) (mm)	1065 x 298 x 230 mm	1065 x 298 x 230 mm
	Shipping Dimensions (WxHxD) (mm)	1137 x 377 x 299 mm	1137 x 377 x 299 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG4T150FUDJQ	UG4T200FUAE4
	Output (kW)	1.37 kW	1.79 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	- cc	650.00 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	33.00 CMM	52.00 CMM
	Air Flow Rate (Cooling) [L/S]	550	866.67
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	49.0 / 49.0 dBA	49.0 / 51.0 dBA
	Sound Power (Cooling) [dB(A)]	64.0 dBA	67.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	38.50 kg	55.00 kg
	Shipping Weight (kg)	42.50 kg	59.00 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm	880 x 798 x 310 mm
	Shipping Dimensions (WxHxD) (mm)	926 x 655 x 382 mm	1023 x 891 x 413 mm
Operating Temp. Range	Cooling (°C)	-15 ~ 46 °C	-15 ~ 50 °C
	Heating (°C)	-15 ~ 24 °C	-20 ~ 24 °C

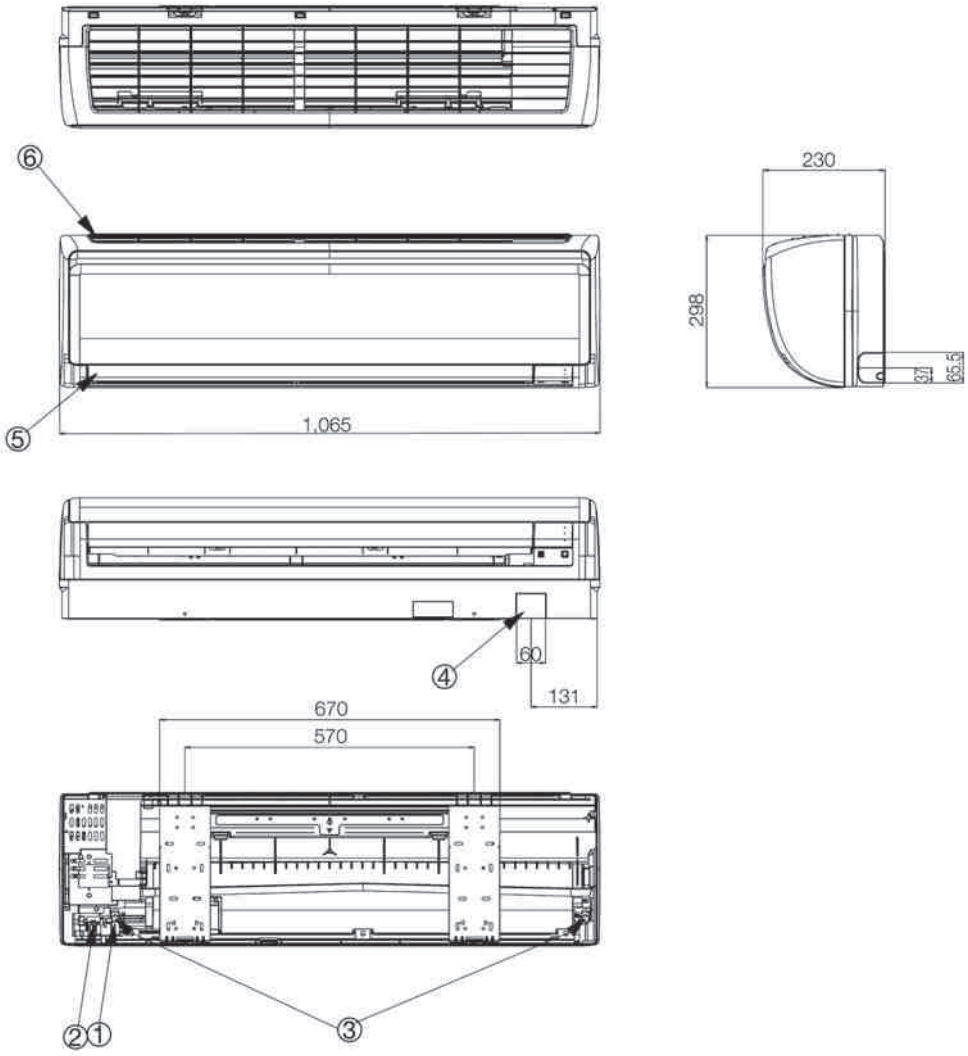
CAC High Wall (Maldives)

DIMENSIONAL DRAWINGS

AC052/71FBRDEH/EU



Units: mm



No.	Name	Description	
		6.3kW	12.7kW
1	Liquid pipe connection	Ø6.35mm Flare	
2	Gas pipe connection	Ø12.70mm Flare	Ø15.88mm Flare
3	Drain pipe connection	ID18 Hose	
4	Conduit for power supply and communication wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	-	

CAC Mini 4-Way Cassette – Nordic

SPECIFICATIONS

AC026/35JNNCEH/EU



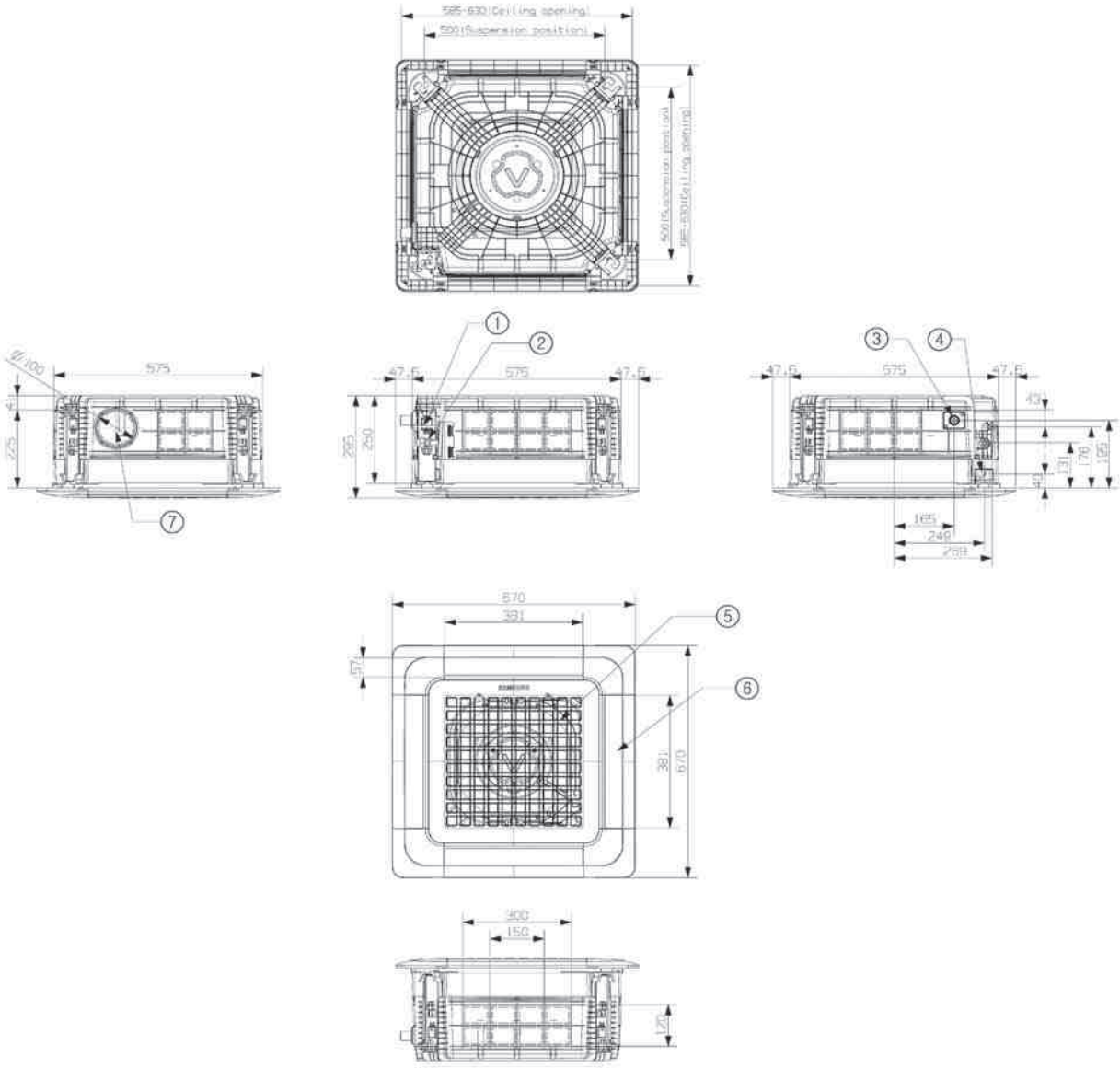
Model Code		AC026JNNCEH/EU	AC035JNNCEH/EU
Features	Type	CAC 4-Way	CAC 4-Way
Model Name	Indoor Unit	AC026JNNCEH/EU	AC035JNNCEH/EU
	Outdoor Unit	AC026JXSCEH/EU	AC035JXSCEH/EU
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	0.85/2.60/3.50 kW	0.90/3.50/4.20 kW
	Cooling [Btu/h]	2,900/8,800/11,900 Btu/h	3,000/11,900/14,300 Btu/h
	Heating [kW]	0.80/3.40/5.10 kW	0.80/4.30/5.80 kW
	Heating [Btu/h]	2,700/11,600/17,400 Btu/h	2,700/14,600/19,700 Btu/h
Power Input (Nominal)	Cooling	0.24/0.64/0.89 kW	0.19/0.94/1.26 kW
	Heating	0.16/0.83/1.50 kW	0.16/1.18/1.65 kW
Current Input (Nominal)	Cooling	1.30/3.10/4.20 A	1.30/4.40/5.80 A
	Heating	1.10/3.90/6.00 A	1.10/5.40/7.00 A
Power	MCA [A]	11.00 A	11.00 A
	MFA [A]	12.50 A	12.50 A
Energy Efficiency	EER (Nominal Cooling)	4.06	3.72
	COP (Nominal Heating)	4.1	3.64
	Energy Grade (Cooling)	A++ (7,90)	A++ (7.60)
	Energy Grade (Heating)	A++ (4,60)	A+ (4.50)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	9.52 mm	9.52 mm
	Gas Pipe (Φ, inch)	3/8"	3/8"
	Installation Max. Length [m]	20(20) m	20(20) m
	Installation Max. Height [m]	15(15) m	15(15) m
Field Wiring	Power Source Wire	2.5~4.0	2.5~4.0
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV	EEV
	Factory Charging (kg)	1.27 kg	1.27 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo Fan	Turbo Fan
	Motor (Output) [W]	65 W	65 W
	Number of Unit (EA)	1.00 EA	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	8.00/7.10/6.30 CMM	9.30/8.00/6.70 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	133.30/118.30/105.00	155.00/133.30/111.70
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	32.0/29.0/25.0 dBA	34.0/30.0/26.0 dBA
	Sound Power (Cooling) [dB(A)]	48.0 dBA	51.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	12.00 kg	12.00 kg
	Shipping Weight (kg)	14.00 kg	14.00 kg
	Net Dimensions (WxHxD) (mm)	575 x 250 x 575 mm	575 x 250 x 575 mm
	Shipping Dimensions (WxHxD) (mm)	623 x 298 x 653 mm	623 x 298 x 653 mm
Panel Size	Panel Model	PC4SUSMAN / PC4SUSMEN	PC4SUSMAN / PC4SUSMEN
	Panel Net Weight (kg)	3 kg	3 kg
	Shipping Weight (kg)	4 kg	4 kg
	Net Dimensions (WxHxD) (mm)	670 x 47 x 670 mm	670 x 47 x 670 mm
	Shipping Dimensions (WxHxD) (mm)	714 x 105 x 724 mm	714 x 105 x 724 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Compressor	Type	BLDC Rotary	BLDC Rotary
	Model	DA128A1FA-20F (Toshiba)	DA128A1FA-20F (Toshiba)
	Output(kW)	0.955 kW	0.955 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	450 cc	450 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	33.00 CMM	33.00 CMM
	Air Flow Rate (Cooling) [L/S]	550	550
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	46.0 / 47.0 dBA	47.0 / 48.0 dBA
	Sound Power (Cooling) [dB(A)]	59.0 dBA	62.0 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	35.00 kg	35.00 kg
	Shipping Weight (kg)	39.00 kg	39.00 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm	790 x 548 x 285 mm
	Shipping Dimensions (WxHxD) (mm)	926 x 640 x 384 mm	926 x 640 x 384 mm
Operating Temp. Range	Cooling (°C)	-20 ~ 50 °C	-20 ~ 50 °C
	Heating (°C)	-25 ~ 24 °C	-25 ~ 24 °C

CAC Mini 4-Way Cassette – Nordic

DIMENSIONAL DRAWINGS
AC026/35JNNCEH/EU



Units: mm



No.	Name	Description				
		2.6kW	3.5kW	5.2kW	6.0kW	7.1kW
1	Liquid pipe connection	Ø6.35mm (1/4") Flare				
2	Gas pipe connection	Ø9.52mm (3/8") Flare		Ø12.70mm (1/2") Flare	Ø15.88mm (5/8") Flare	
3	Drain pipe connection	VP25 (OD 32, ID 25)				
4	Conduit for power supply and communication wiring	-				
5	Air inlet grille	-				
6	Air outlet louver	-				
7	Fresh air intake	Ø100				

CAC 4-Way Cassette – Nordic

SPECIFICATIONS

AC071/100/125JN4CEH/EU



Model Code		AC071JN4CEH/EU	AC100JN4CEH/EU	AC125JN4CEH/EU
Features	Type	CAC 4-Way	CAC 4-Way	CAC 4-Way
Model Name	Indoor Unit	AC071JN4CEH/EU	AC100JN4CEH/EU	AC125JN4CEH/EU
	Outdoor Unit	AC071JXSCEH/EU	AC100JXSCEH/EU	AC125JXSCGH/EU
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	1.70/7.10/8.50 kW	2.20/10.00/12.00 kW	2.20/12.50/14.00 kW
	Cooling [Btu/h]	5,800/24,200/29,000 Btu/h	7,500/34,100/40,900 Btu/h	7,500/42,600/47,700 Btu/h
	Heating [kW]	3.00/8.00/11.00 kW	3.30/11.20/17.00 kW	3.30/14.00/19.00 kW
	Heating [Btu/h]	10,200/27,200/37,500 Btu/h	11,200/38,200/58,000 Btu/h	11,200/47,700/64,800 Btu/h
Power Input (Nominal)	Cooling	0.71/1.80/2.20 kW	0.74/2.74/3.54 kW	0.74/3.89/4.25 kW
	Heating	0.68/1.99/5.08 kW	0.68/2.79/6.90 kW	0.68/3.77/7.20 kW
Current Input (Nominal)	Cooling	3.60/8.10/10.00 A	3.60/12.00/15.60 A	1.40/6.00/6.60 A
	Heating	3.40/9.00/22.00 A	3.30/12.40/30.00 A	1.30/6.00/11.00 A
Power	MCA [A]	25.00 A	33.00 A	13.00 A
	MFA [A]	30.00 A	40.00 A	15.00 A
Energy Efficiency	EER (Nominal Cooling)	3.94	3.65	3.21
	COP (Nominal Heating)	4.02	4.01	3.71
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"
	Installation Max. Length [m]	75(75) m	75(75) m	75(75) m
	Installation Max. Height [m]	30(30) m	30(30) m	30(30) m
Field Wiring	Power Source Wire	4.0~6.0	4.0~6.0	2.5~4.0
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV	EEV	EEV
	Factory Charging (kg)	2.90 kg	2.90 kg	2.90 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output) [W]	97 W	97 W	97 W
	Number of Unit (EA)	1.00 EA	1.00 EA	1.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	19.50/17.50/15.50 CMM	30.00/24.00/18.90 CMM	30.00/24.00/18.90 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	325.00/291.70/258.30	500.00/400.00/315.00	500.00/400.00/315.00
Drain	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36.0/33.0/30.0 dBA	43.0/38.0/33.0 dBA	44.0/39.0/34.0 dBA
	Sound Power (Cooling) [dB(A)]	53.0 dBA	59.0 dBA	60.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	18.00 kg	20.00 kg	20.00 kg
	Shipping Weight (kg)	23.00 kg	25.00 kg	25.00 kg
	Net Dimensions (WxHxD) (mm)	840 x 288 x 840 mm	840 x 288 x 840 mm	840 x 288 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 357 x 898 mm	898 x 357 x 898 mm	898 x 357 x 898 mm
Panel Size	Panel Model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight (kg)	5.9 kg	5.9 kg	5.9 kg
	Shipping Weight (kg)	8.4 kg	8.4 kg	8.4 kg
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950 mm	950 x 45 x 950 mm	950 x 45 x 950 mm
	Shipping Dimensions (WxHxD) (mm)	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5T450FUEJX	UG5T450FXAJX	UG5T450FXAJX
	Output(kW)	4.12 kW	4.01 kW	4.01 kW
	Oil (Type)	POE	POE	POE
	Oil (Initial Charge) [cc]	1,700 cc	1,700 cc	1,700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	112.00 CMM	112.00 CMM	112.00 CMM
	Air Flow Rate (Cooling) [L/S]	1,866.67	1,866.67	1,866.67
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	49.0 / 49.0 dBA	50.0 / 50.0 dBA	52.0 / 52.0 dBA
	Sound Power (Cooling) [dB(A)]	65.0 dBA	66.0 dBA	69.0 dBA
External Dimension (Outdoor Unit)	Net Weight(kg)	96.00 kg	96.00 kg	96.00 kg
	Shipping Weight (kg)	106.00 kg	106.00 kg	106.00 kg
	Net Dimensions (WxHxD) (mm)	940 x 1420 x 330 mm	940 x 1420 x 330 mm	940 x 1420 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1598 x 426 mm	995 x 1598 x 426 mm	995 x 1598 x 426 mm
Operating Temp. Range	Cooling (°C)	-20 ~ 50 °C	-20 ~ 50 °C	-20 ~ 50 °C
	Heating (°C)	-25 ~ 24 °C	-25 ~ 24 °C	-25 ~ 24 °C

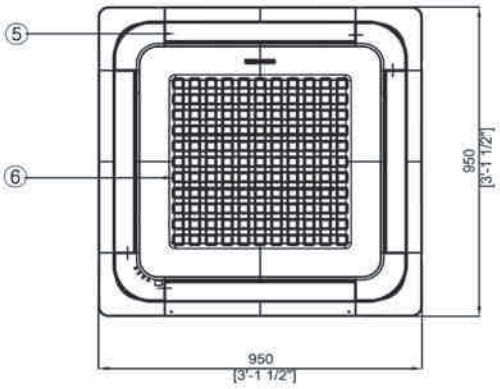
CAC 4-Way Cassette – Nordic

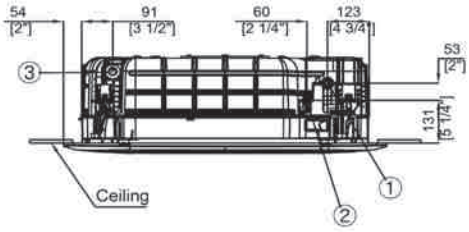
DIMENSIONAL DRAWINGS

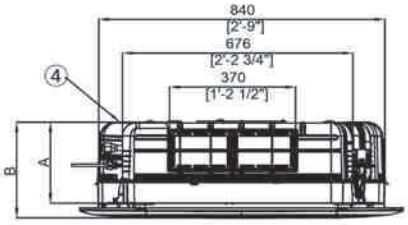
AC071/100/125JN4CEH/EU



Units: mm







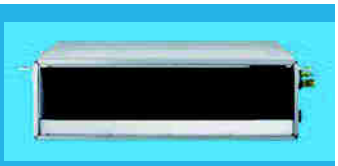
	Description
	7.1kW, 10kW, 12.5kW
A (mm)	288
B (mm)	337

No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Air outlet louver
6	Air inlet grille

CAC MSP Duct – Nordic

SPECIFICATIONS

AC035JNMCEH/EU

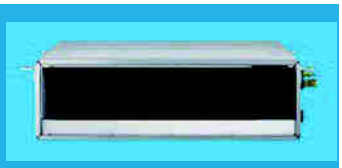


Model Code		AC035JNMCEH/EU
Features	Type	CAC Duct
Model Name	Indoor Unit	AC035JNMCEH/EU
	Outdoor Unit	AC035JXSCEH/EU
System	Mode	HEAT PUMP
Capacity	Cooling [kW]	0.90/3.50/4.20 kW
	Cooling [Btu/h]	3,000/11,900/14,300 Btu/h
	Heating [kW]	0.80/4.30/5.80 kW
	Heating [Btu/h]	2,700/14,600/19,700 Btu/h
Power Input (Nominal)	Cooling	0.19/0.94/1.26 kW
	Heating	0.16/1.18/1.65 kW
Current Input (Nominal)	Cooling	1.30/4.70/6.10 A
	Heating	1.10/5.40/7.00 A
Power	MCA [A]	12.70 A
	MFA [A]	12.70 A
Energy Efficiency	EER (Nominal Cooling)	3.72
	COP (Nominal Heating)	3.64
	Energy Grade (Cooling)	A++ (6.50)
	Energy Grade (Heating)	A+ (4.40)
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"
	Gas Pipe (Φ, mm)	9.52 mm
	Gas Pipe (Φ, inch)	3/8"
	Installation Max. Length [m]	20(20) m
	Installation Max. Height [m]	15(15) m
Field Wiring	Power Source Wire	2.5 ~ 4.0
	Transmission Cable	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	EEV
	Factory Charging (kg)	1.27 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Fan	Type	Sirocco
	Motor (Output) [W]	153 W
	Number of Unit (EA)	2.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	12.90/110/9.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	215.00/183.30/158.30
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/2.50/15.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/24.50/147.00 Pa
Drain	Drain Pipe (Φ,mm)	VP20 (OD 26,ID 20) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	31.0/28.0/25.0 dBA
	Sound Power (Cooling) [dB(A)]	56.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	25.00 kg
	Shipping Weight (kg)	29.00 kg
	Net Dimensions (WxHxD) (mm)	850 x 250 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	1064 x 320 x 784 mm
Additional Accessories	Drain Pump	MDP-G075SP
	Drain Pump Max. Lifting Height / Displacement	750mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Compressor	Type	BLDC Rotary
	Model	DA128A1FA-20F (Toshiba)
	Output(kW)	0.955 kW
	Oil (Type)	POE
	Oil (Initial Charge) [cc]	450 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	33.00 CMM
	Air Flow Rate (Cooling) [L/S]	550
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 48.0 dBA
	Sound Power (Cooling) [dB(A)]	62.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	35.00 kg
	Shipping Weight (kg)	39.00 kg
	Net Dimensions (WxHxD) (mm)	790 x 548 x 285 mm
	Shipping Dimensions (WxHxD) (mm)	926 x 640 x 384 mm
Operating Temp. Range	Cooling (°C)	-20 ~ 50 °C
	Heating (°C)	-25 ~ 24 °C

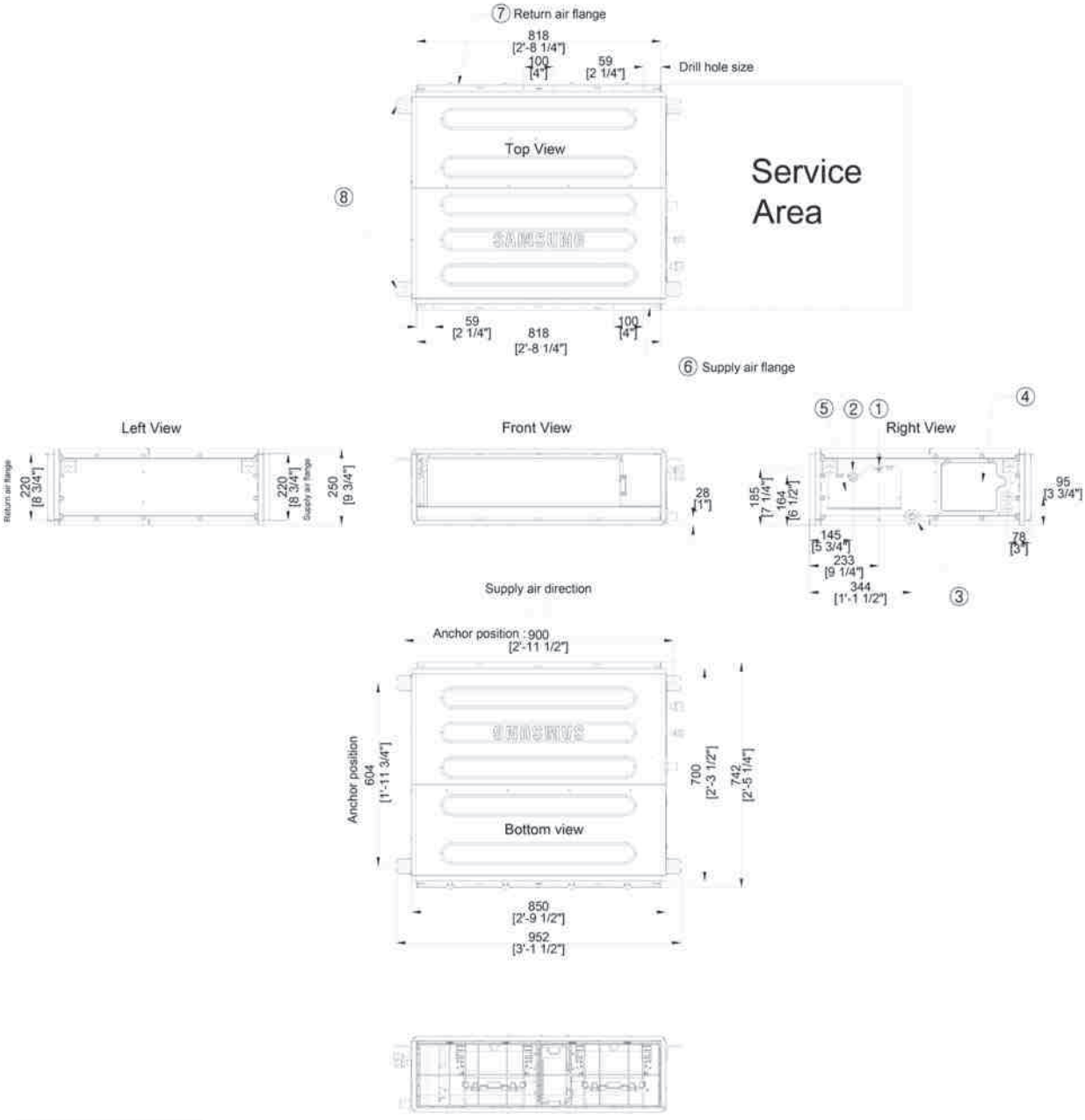
CAC MSP Duct – Nordic

DIMENSIONAL DRAWINGS

AC035JNMCEH/EU



Units: mm

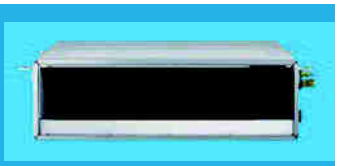


No.	Name
1	Refrigerant liquid pipe
2	Refrigerant gas pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Refrigerant pipe conduits
6	Supply air flange
7	Return air flange
8	Hook

CAC MSP Duct – Nordic

SPECIFICATIONS

AC071JNMCEH/EU

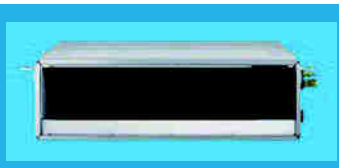


Model Code		AC071JNMCEH/EU
Features	Type	CAC Duct
Model Name	Indoor Unit	AC071JNMCEH/EU
	Outdoor Unit	AC071JXSCEH/EU
System	Mode	HEAT PUMP
Capacity	Cooling [kW]	3.00/7.10/8.50 kW
	Cooling [Btu/h]	10,200/24,200/29,000 Btu/h
	Heating [kW]	3.00/8.00/11.00 kW
	Heating [Btu/h]	10,200/27,200/37,500 Btu/h
Power Input (Nominal)	Cooling	0.86/1.92/2.20 kW
	Heating	0.71/2.05/4.10 kW
Current Input (Nominal)	Cooling	4.30/8.70/10.00 A
	Heating	3.60/9.30/18.00 A
Power	MCA [A]	26.70 A
	MFA [A]	30.00 A
Energy Efficiency	EER (Nominal Cooling)	3.7
	COP (Nominal Heating)	3.9
	Energy Grade (Cooling)	A++ (6,10)
	Energy Grade (Heating)	A+ (4,00)
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"
	Gas Pipe (Φ, mm)	15.88 mm
	Gas Pipe (Φ, inch)	5/8"
	Installation Max. Length [m]	75(75) m
	Installation Max. Height [m]	30(30) m
Field Wiring	Power Source Wire	4.0 ~ 6.0
	Transmission Cable	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	EEV
	Factory Charging (kg)	2.90 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Fan	Type	Sirocco
	Motor (Output) [W]	153 W
	Number of Unit (EA)	3.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	21.00/18.50/16.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	350.00/308.30/275.00
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/3.00/15.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/29.40/147.00 Pa
Drain	Drain Pipe (Φ,mm)	VP20 (OD 26,ID 20) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33.0/29.0/25.0 dBA
	Sound Power (Cooling) [dB(A)]	56.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	32.00 kg
	Shipping Weight (kg)	37.00 kg
	Net Dimensions (WxHxD) (mm)	1200 x 250 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	1429 x 320 x 779 mm
Additional Accessories	Drain Pump	MDP-G075SP
	Drain Pump Max. Lifting Height / Displacement	750mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
Compressor	Type	Twin BLDC Rotary
	Model	UG5T450FUEJX
	Output(kW)	4.12 kW
	Oil (Type)	POE
	Oil (Initial Charge) [cc]	1,700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	112.00 CMM
	Air Flow Rate (Cooling) [L/S]	112
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	49.0 / 49.0 dBA
	Sound Power (Cooling) [dB(A)]	65.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	96.00 kg
	Shipping Weight (kg)	106.00 kg
	Net Dimensions (WxHxD) (mm)	940 x 1420 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1598 x 426 mm
Operating Temp. Range	Cooling (°C)	-20 ~ 50 °C
	Heating (°C)	-25 ~ 24 °C

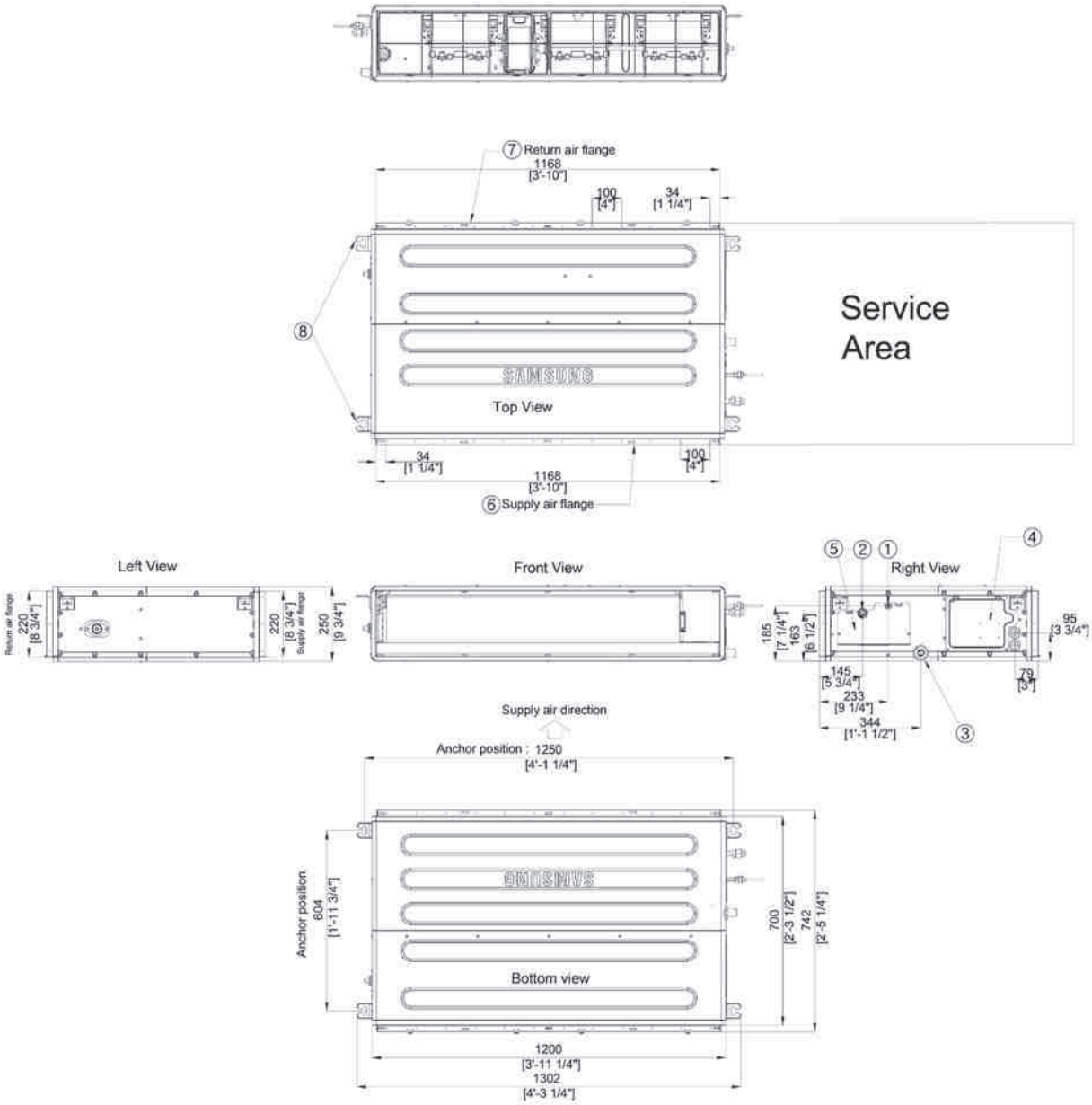
CAC MSP Duct – Nordic

DIMENSIONAL DRAWINGS

AC071JNMCEH/EU



Units: mm

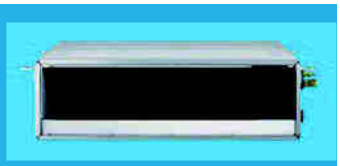


No.	Name
1	Refrigerant liquid pipe
2	Refrigerant gas pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Refrigerant pipe conduits
6	Supply air flange
7	Return air flange
8	Hook

CAC MSP Duct – Nordic

SPECIFICATIONS

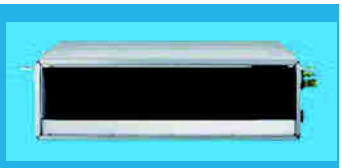
AC100/125JNMCEH/EU



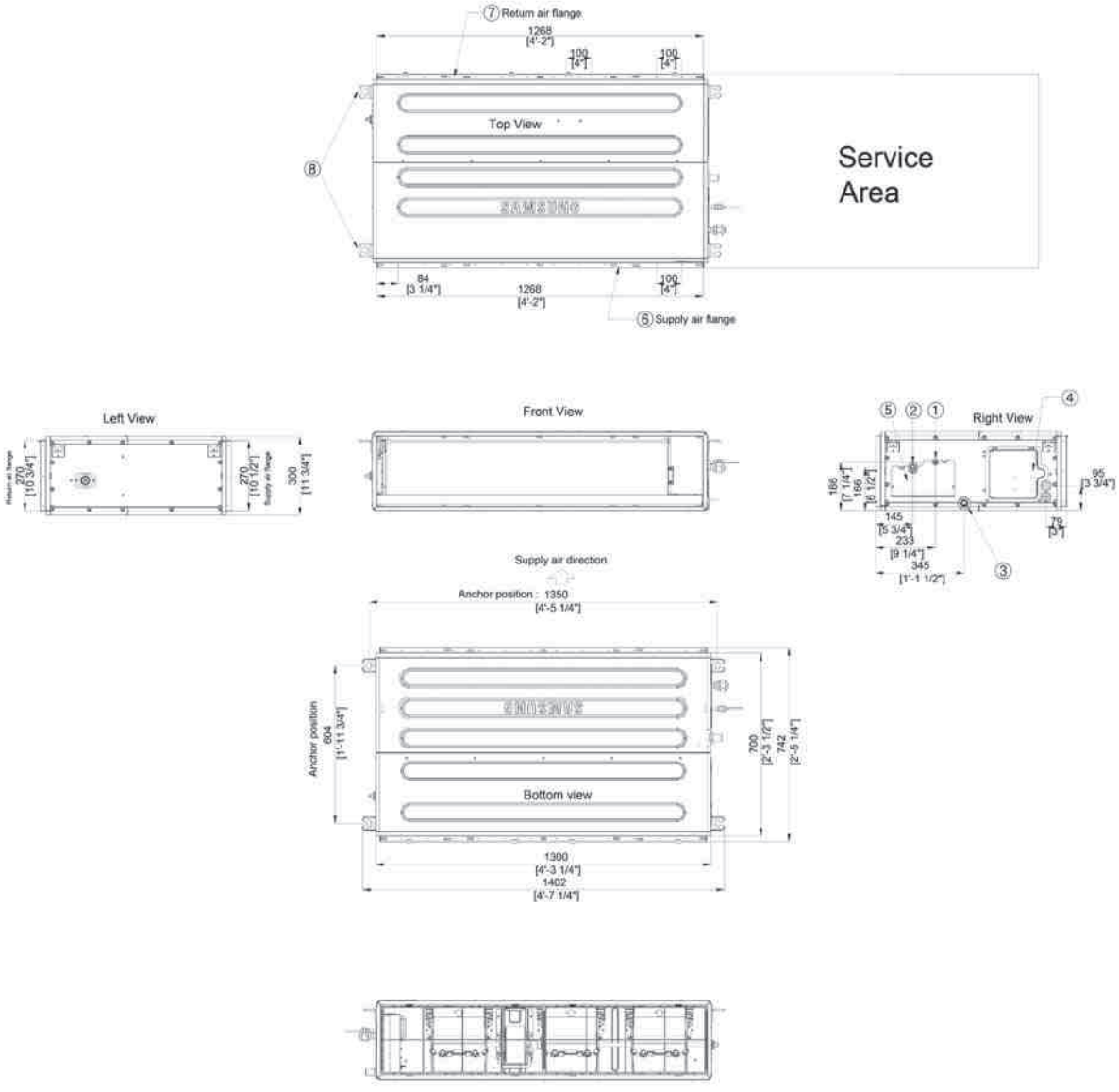
Model Code		AC100JN4CEH/EU	AC125JN4CEH/EU
Features	Type	CAC Duct	CAC Duct
Model Name	Indoor Unit	AC100JNMCEH/EU	AC125JNMCEH/EU
	Outdoor Unit	AC100JXSCEH/EU	AC125JXSCGH/EU
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	3.50/10.00/12.00 kW	3.50/12.50/14.00 kW
	Cooling [Btu/h]	11,900/34,100/40,900 Btu/h	11,900/42,600/47,700 Btu/h
	Heating [kW]	3.70/11.20/17.00 kW	3.70/14.00/19.00 kW
	Heating [Btu/h]	12,600/38,200/58,000 Btu/h	12,600/47,700/64,800 Btu/h
Power Input (Nominal)	Cooling	0.95/2.74/3.54 kW	0.95/3.79/4.60 kW
	Heating	0.81/2.47/6.90 kW	0.81/3.58/7.20 kW
Current Input (Nominal)	Cooling	4.20/12.00/15.60 A	1.40/6.00/7.00 A
	Heating	4.30/11.80/30.00 A	1.70/5.60/11.00 A
Power	MCA [A]	34.70 A	14.70 A
	MFA [A]	40.00 A	15.00 A
Energy Efficiency	EER (Nominal Cooling)	3.65	3.3
	COP (Nominal Heating)	4.53	3,91
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"
	Installation Max. Length [m]	75(75) m	75(75) m
	Installation Max. Height [m]	30(30) m	30(30) m
Field Wiring	Power Source Wire	4.0 ~ 6.0	2.5 ~ 4.0
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV	EEV
	Factory Charging (kg)	2.90 kg	2.90 kg
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Type	Sirocco	Sirocco
	Motor (Output) [W]	244 W	244 W
	Number of Unit (EA)	3.00 EA	3.00 EA
	Air Flow Rate (High / Mid / Low) [CMM]	36.10/29.30/24.00 CMM	38.60/33.00/26.20 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	601.70/488.30/400.00	643.30/550.00/436.70
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/4.00/15.00 mmAq	0.00/5.20/15.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/39.20/147.00 Pa	0.00/50.96/147.00 Pa
Drain	Drain Pipe (Φ,mm)	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37.0/33.0/28.0 dBA	39.0/35.0/31.0 dBA
	Sound Power (Cooling) [dB(A)]	61.0 dBA	63.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	36.00 kg	36.00 kg
	Shipping Weight (kg)	42.00 kg	42.00 kg
	Net Dimensions (WxHxD) (mm)	1300 x 300 x 700 mm	1300 x 300 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	1529 x 370 x 779 mm	1529 x 370 x 779 mm
Additional Accessories	Drain Pump	MDP-G075SP	MDP-G075SP
	Drain Pump Max. Lifting Height / Displacement	750mm	750mm
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	3,4,380-415,50
Compressor	Type	Twin BLDC Rotary	Twin BLDC Rotary
	Model	UG5T450FXAJX	UG5T450FXAJX
	Output(kW)	4.01 kW	4.01 kW
	Oil (Type)	POE	POE
	Oil (Initial Charge) [cc]	1,700 cc	1,700 cc
Fan (Outdoor Unit)	Air Flow Rate (Cooling) [CMM]	112.00 CMM	112.00 CMM
	Air Flow Rate (Cooling) [L/S]	1,866.67	1,866.67
Sound (Outdoor Unit)	Sound Pressure (Cooling / Heating) [dB(A)]	50.0 / 50.0 dBA	52.0 / 52.0 dBA
	Sound Power (Cooling) [dB(A)]	66.0 dBA	69.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	96.00 kg	96.00 kg
	Shipping Weight (kg)	106.00 kg	106.00 kg
	Net Dimensions (WxHxD) (mm)	940 x 1420 x 330 mm	940 x 1420 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1598 x 426 mm	995 x 1598 x 426 mm
Operating Temp. Range	Cooling (°C)	-20 ~ 50 °C	-20 ~ 50 °C
	Heating (°C)	-25 ~ 24 °C	-25 ~ 24 °C

CAC MSP Duct – Nordic

DIMENSIONAL DRAWINGS
AC100/125JNMCEH/EU

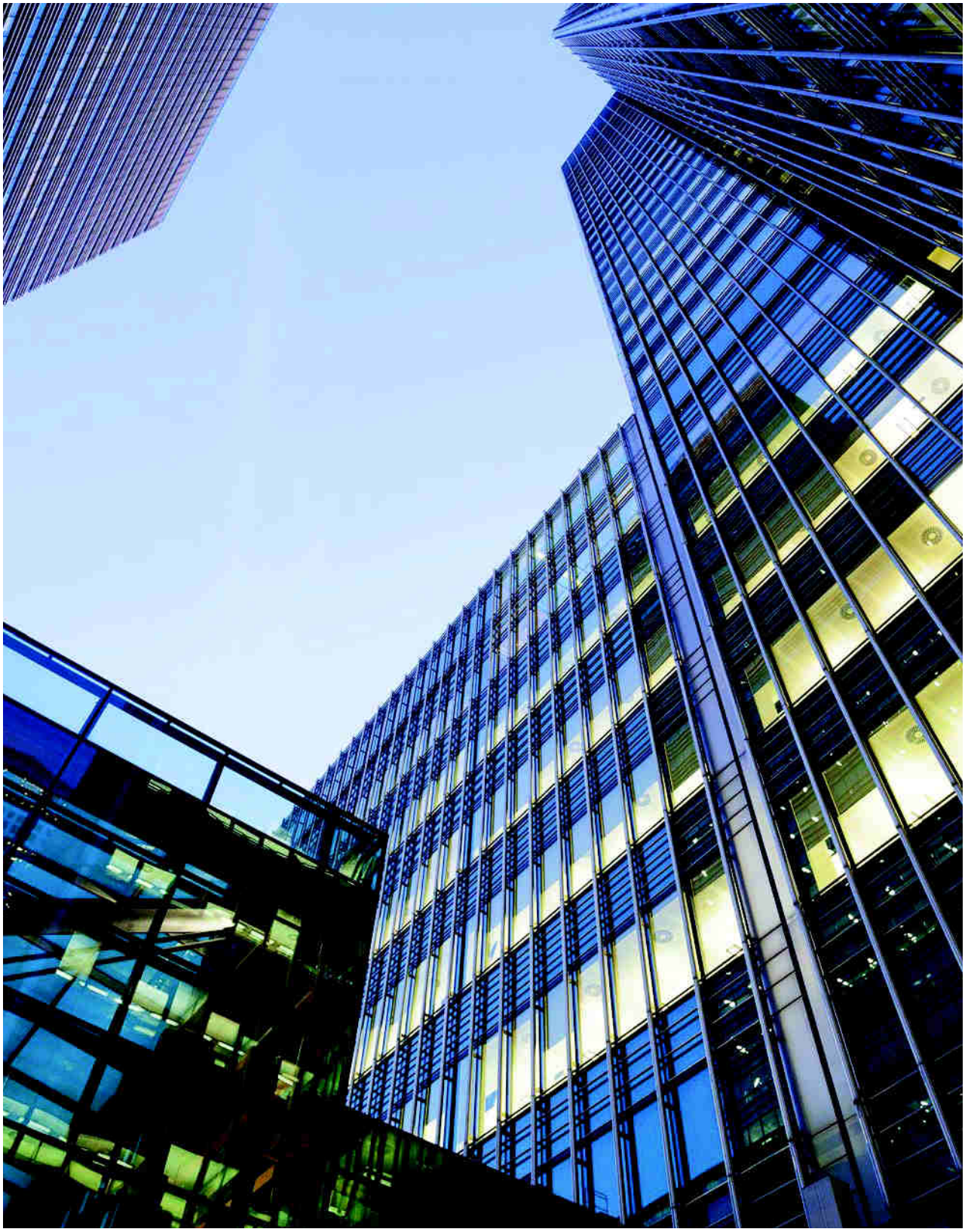


Units: mm



No.	Name
1	Refrigerant liquid pipe
2	Refrigerant gas pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Refrigerant pipe conduits
6	Supply air flange
7	Return air flange
8	Hook

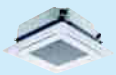
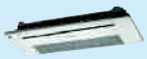
DVM S Indoor Units



DVM Indoor Units

Line-up

Cassette

Model			 4-Way S	 4-Way S (600x600)	 Slim 1-Way	 1-Way	 2-Way
Capacity (kW)	1.7			● (1.5)		●	
	2.2			●	●	●	
	2.8			●	●		
	3.6			●	●		
	4.5		●	●			
	5.6		●	●			●
	6.0			●			
	7.1		●				●
	9.0		●				
	11.2		●				
	12.8		●				
	14.0		●				
Features		Powerful Airflow	●	●	●	●	
		Ceiling Dust Prevention	●	●	●	●	
		Fresh Air Intake	●	●			
		High Lift-up Drain Pump	●	●	●	●	●
		Sub Duct	●	●			

Duct

Model			 HSP	 MSP	 Slim	 Duct S	 Duct S(AC6000J)
Capacity	1.7				●		
	2.2				●		
	2.8			●	●		
	3.6			●	●	●	
	4.5			●	●	●	
	5.6			●	●	●	
	7.1			●	●	●	
	9.0			●	●	●	
	11.2		●	●	●	●	
	12.8		●	●	●	●	
	14.0		●	●	●	●	
	18.0						●
	20.0						●
	22.0		●				
	28.0		●				
Features		Pre Filter	●	●	●	●	●
		Easy Filter Cleaning	●	●	●	●	●
		High Lift-up Drain Pump (Optional)	●	●	●	●	●
		Smart Pressure Control	●	●	●	●	●

DVM Indoor Units

Line-up

Wall-mounted

Model			 Neo Forte	 Neo Forte-E	 AR5000	 AR5000-E
Capacity (kW)	1.5		●	●	●	●
	2.2		●	●	●	●
	2.8		●	●	●	●
	3.6		●	●	●	●
	4.5			●	●	●
	5.6		●	●	●	●
	7.1		●	●	●	●
	8.2				●	●
Features		Deodorising Filter	●	●	●	●
		Good Sleep	●	●	●	●

Console and Ceiling

Model			 Console	 Ceiling (AC4000J)
Capacity	2.8		●	
	3.6		●	
	5.6		●	●
	7.1			●
	11.2			●
	14			●
Features		Virus Doctor	●	● (optional)
		Interior Design	●	●
		Anti-virus Filter	●	●
		Lightweight Unit	●	●
		Flexible Pipe Installation	●	●

Concealed Floor Standing

Model		
Capacity	3.6	●
	5.6	●
	7.1	●

DVM Indoor Units

Line-up

ERV Plus

Model \ Air Volume (m³/hr)	500	1000
ERV Plus		

ERV Plus Features

Feature	
Damper	●
Direct Expansion (DX) Coil	●
Humidifier element (Optional)	●
Supply/Exhaust Fan	●
Dust Filter	●
Heat Exchanger Element	●
Control Box	●
Temperature Sensor	●
CO_2 Sensor (Optional)	●
BLDC Fan Motor	●
Energy Saving Operation (Auto Mode)	●
New Diamond Type Element	●
Flexible Installation	
Slim Design	●
Silent Operation	●
Virus Doctor (Optional)	●

DVM Indoor Units

Line-up

Hydro Unit

Model		HE	HT	
				
	Phase	1-Phase	1-Phase	3-Phase
Capacity (Heating, kW)	16.0	●	●	●
	25.0		●	●
	31.5	●		
	50.4	●		

OAP

Model		
	Phase	
Capacity (Heating, kW)	14.0	●
	22.0	●
	28.0	●

DVM Indoor Slim 1-Way

SPECIFICATIONS

AM022/028/036FN1DEH/EU



Model Code		AM022FN1DEH/EU	AM028FN1DEH/EU	AM036FN1DEH/EU
Features	Type	1-Way Cassette	1-Way Cassette	1-Way Cassette
Model Name	Indoor Unit	AM022FN1DEH/EU	AM028FN1DEH/EU	AM036FN1DEH/EU
Power Supply (Indoor Unit) [Φ, ㅂ, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	2.20 kW	2.80 kW	3.60 kW
	Cooling [Btu/h]	7,500 Btu/h	9,600 Btu/h	12,300 Btu/h
	Heating [kW]	2.50 kW	3.20 kW	4.00 kW
	Heating [Btu/h]	8,500 Btu/h	10,900 Btu/h	13,600 Btu/h
Power Input (Nominal)	Cooling [W]	40 W	45 W	50.00 W
	Heating [W]	40 W	45 W	50.00 W
Current Input (Nominal)	Cooling	0.20 A	0.23 A	0.25 A
	Heating	0.20 A	0.23 A	0.25 A
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	17 x 1 W	17 x 1 W	17 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	6.00/5.00/4.00 CMM	7.00/6.00/5.00 CMM	8.00/7.00/6.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	100.00/83.33/66.67	116.67/100.00/83.33	133.33/116.67/100.00
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	1/2"
	Drain Pipe (Φ,mm)	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	27.0/25.0/23.0 dBA	29.0/27.0/24.0 dBA	35.0/31.0/27.0 dBA
	Sound Power	45.0 dBA	48.0 dBA	52.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	10.50 kg	10.50 kg	10.50 kg
	Shipping Weight (kg)	13.00 kg	13.00 kg	13.00 kg
	Net Dimensions (WxHxD) (mm)	970 x 135 x 410 mm	970 x 135 x 410 mm	970 x 135 x 410 mm
	Shipping Dimensions (WxHxD) (mm)	1164 x 212 x 478 mm	1164 x 212 x 478 mm	1164 x 212 x 478 mm
Panel Size	Panel Model	PC1NUSMAN	PC1NUSMAN	PC1NUSMAN
	Panel Net Weight (kg)	3.00 kg	3.00 kg	3.00 kg
	Shipping Weight (kg)	5.00 kg	5.00 kg	5.00 kg
	Net Dimensions (WxHxD) (mm)	1180 x 25 x 460 mm	1180 x 25 x 460 mm	1180 x 25 x 460 mm
	Shipping Dimensions (WxHxD) (mm)	1259 x 144 x 539 mm	1259 x 144 x 539 mm	1259 x 144 x 539 mm

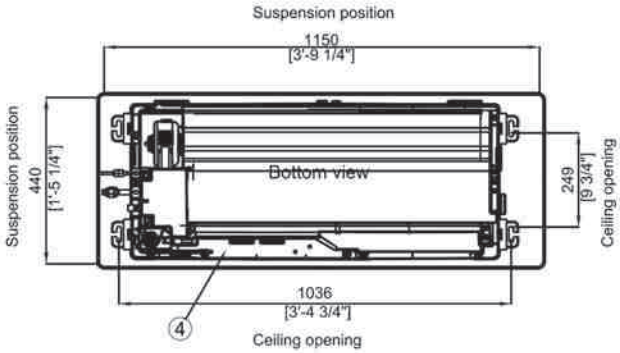
DVM Indoor Slim 1-Way

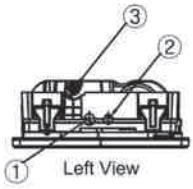
DIMENSIONAL DRAWINGS

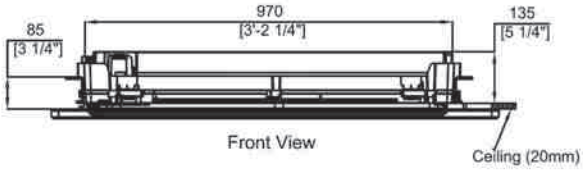
AM022/028/036FN1DEH/EU

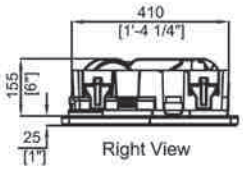


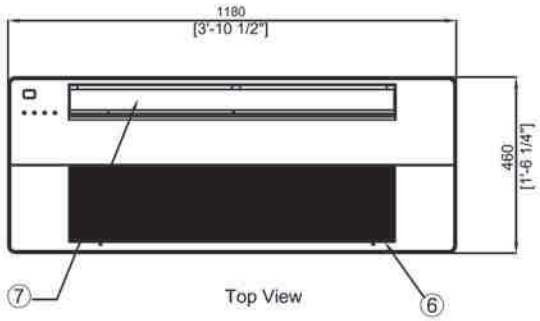
Units: mm











No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Air discharge louver
6	Air suction grille

DVM Indoor Slim 1-Way

SPECIFICATIONS

AM056/071JN1DEH



Model Code		AM056JN1DEH/EU	AM071JN1DEH/EU
Features	Type	1-Way Cassette	1-Way Cassette
Model Name	Indoor Unit	AM056JN1DEH	AM071JN1DEH
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HEAT PUMP	HEAT PUMP
Capacity	Cooling [kW]	5.6 kW	7.1 kW
	Cooling [Btu/h]	19,100 Btu/h	24,200 Btu/h
	Heating [kW]	6.3 kW	8.0 kW
	Heating [Btu/h]	21,500 Btu/h	27,300 Btu/h
Power Input (Nominal)	Cooling [W]	55.0 W	80.0 W
	Heating [W]	55.0 W	80.0 W
Current Input (Nominal)	Cooling	0.28 A	0.40 A
	Heating	0.28 A	0.40 A
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	54 x 1 W	54 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	16.0/14.0/12.5 CMM	17.0/15.5/14.0 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	266.67/233.33/208.33	283.33/258.33/233.33
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"
	Drain Pipe (Φ,mm)	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36.0/33.0/31.0 dBA	39.0/37.0/34.0 dBA
	Sound Power	58.0 dBA	60.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	14.5 kg	14.5 kg
	Shipping Weight (kg)	18.5 kg	18.5 kg
	Net Dimensions (WxHxD) (mm)	1200 x 138 x 450 mm	1200 x 138 x 450 mm
	Shipping Dimensions (WxHxD) (mm)	1435 x 224 x 525 mm	1435 x 224 x 525 mm
Panel Size	Panel Model	PC1BWSMAN	PC1BWSMAN
	Panel Net Weight (kg)	6.3 kg	6.3 kg
	Shipping Weight (kg)	8.3 kg	8.3 kg
	Net Dimensions (WxHxD) (mm)	1410 x 23 x 500 mm	1410 x 23 x 500 mm
	Shipping Dimensions (WxHxD) (mm)	1474 x 122 x 566 mm	1474 x 122 x 566 mm

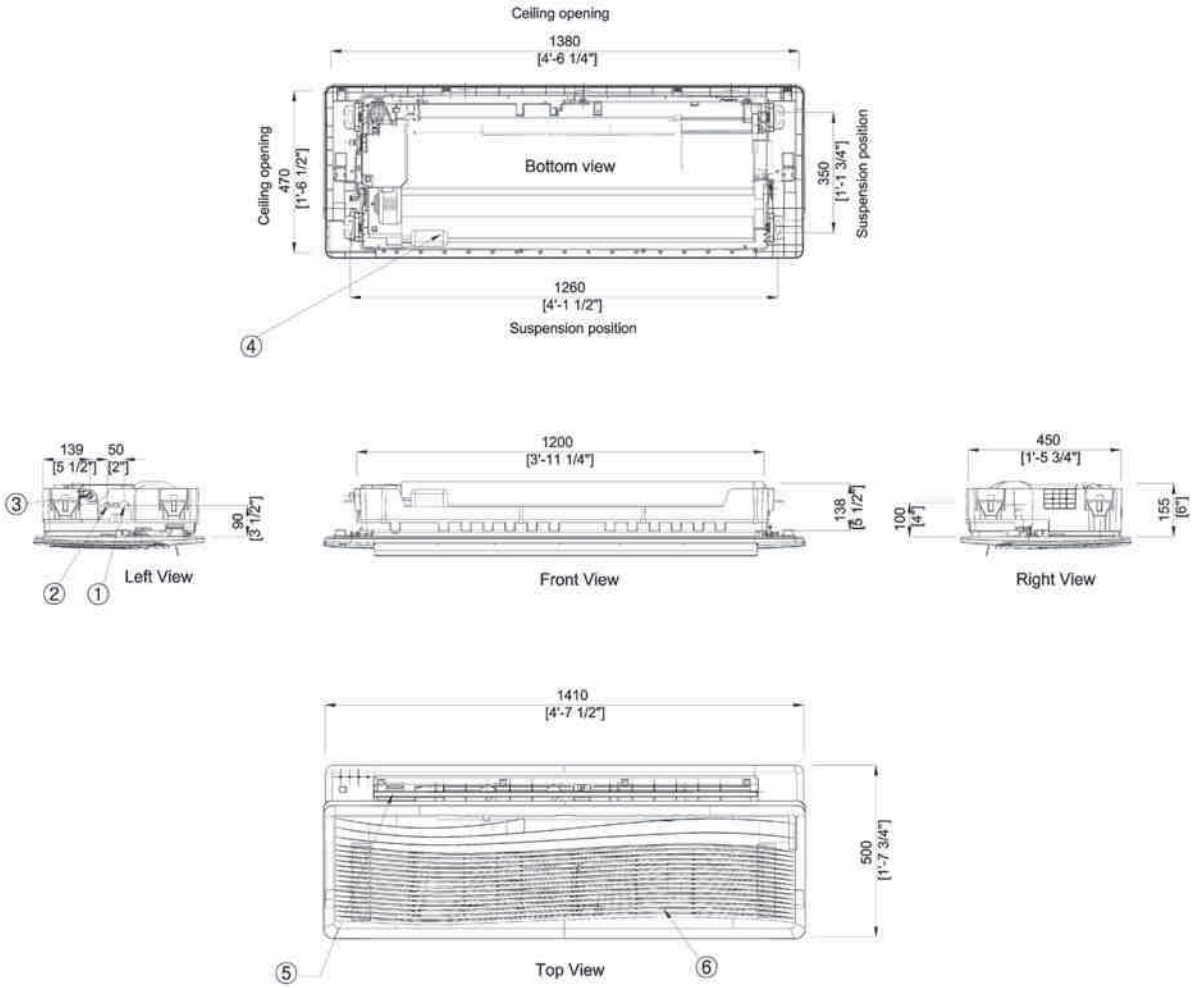
DVM Indoor Slim 1-Way

DIMENSIONAL DRAWINGS

AM056/071JN1DEH



Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Air discharge louver
6	Air suction grille

DVM Indoor 1-Way

SPECIFICATIONS

AM017/022HN1DEH/EU



Model Code		AM017HN1DEH/EU	AM022HN1DEH/EU
Features	Type	1-Way Cassette	1-Way Cassette
Model Name	Indoor Unit	AM017HN1DEH/EU	AM022HN1DEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	1.70 kW	2.20 kW
	Cooling [Btu/h]	5,800 Btu/h	7,500 Btu/h
	Heating [kW]	1.90 kW	2.50 kW
	Heating [Btu/h]	6,500 Btu/h	8,500 Btu/h
Power Input (Nominal)	Cooling [W]	24.00 W	25.00 W
	Heating [W]	24.00 W	25.00 W
Current Input (Nominal)	Cooling	0.14 A	0.15 A
	Heating	0.14 A	0.15 A
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	27 x 1 W	27 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	4.80/4.30/4.10 CMM	5.10/4.60/4.30 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	80.00/71.67/68.33	85.00/76.67/71.67
	External Static Pressure (Min / Std / Max) [mmAq]	12.70 mm	12.70 mm
	External Static Pressure (Min / Std / Max) [Pa]	1/2"	1/2"
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"
	Drain Pipe (Φ,mm)	VP20 (OD 26,ID 20) mm	VP20 (OD 26,ID 20) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	27.0/24.0/21.0 dBA	27.0/25.0/23.0 dBA
	Sound Power	46.0 dBA	48.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	8.00 kg	8.00 kg
	Shipping Weight (kg)	10.80 kg	10.80 kg
	Net Dimensions (WxHxD) (mm)	740 x 135 x 360 mm	740 x 135 x 360 mm
	Shipping Dimensions (WxHxD) (mm)	895 x 223 x 435 mm	895 x 223 x 435 mm
Panel Size	Panel Model	PC1MWSKAN	PC1MWSKAN
	Panel Net Weight (kg)	2.60 kg	2.60 kg
	Shipping Weight (kg)	4.20 kg	4.20 kg
	Net Dimensions (WxHxD) (mm)	900 x 25 x 420 mm	900 x 25 x 420 mm
	Shipping Dimensions (WxHxD) (mm)	958 x 112 x 482 mm	958 x 112 x 482 mm

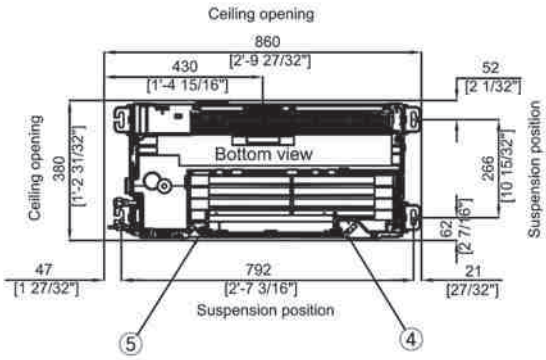
DVM Indoor 1-Way

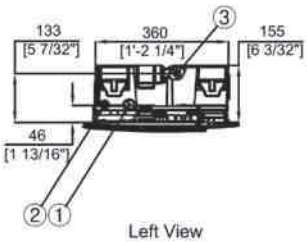
DIMENSIONAL DRAWINGS

AM017/022HN1DEH/EU

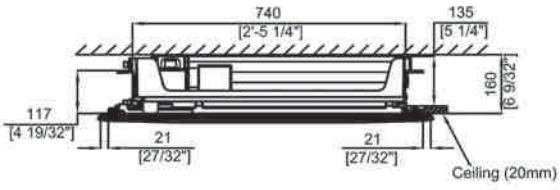


Units: mm

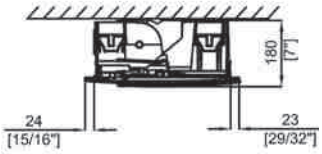




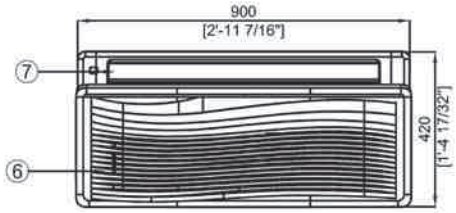
Left View



Front View



Right View



Top View

No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain pipe
4	Power supply wiring conduit
5	Communication wiring conduit
6	Air inlet grille
7	Air outlet louver

DVM Indoor 2-Way

SPECIFICATIONS

AM056/071FN2DEH/EU



Model Code		AM056FN2DEH/EU	AM071FN2DEH/EU
Features	Type	2-Way Cassette	2-Way Cassette
Model Name	Indoor Unit	AM056FN2DEH/EU	AM071FN2DEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	5.60 kW	7.10 kW
	Cooling [Btu/h]	19,100 Btu/h	24,200 Btu/h
	Heating [kW]	6.30 kW	8.00 kW
	Heating [Btu/h]	21,500 Btu/h	27,300 Btu/h
Power Input (Nominal)	Cooling [W]	70.00 W	75.00 W
	Heating [W]	70.00 W	75.00 W
Current Input (Nominal)	Cooling	0.38 A	0.40 A
	Heating	0.38 A	0.40 A
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	14 x 2 W	14 x 2 W
	Air Flow Rate (High / Mid / Low) [CMM]	14.00/13.00/12.00 CMM	15.00/14.00/13.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	233.33/216.67/200.00	250.00/233.33/216.67
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0/37.0/35.0 dBA	41.0/39.0/37.0 dBA
	Sound Power	58.0 dBA	60.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	21.00 kg	22.00 kg
	Shipping Weight (kg)	25.00 kg	26.00 kg
	Net Dimensions (WxHxD) (mm)	890 x 230 x 575 mm	890 x 230 x 575 mm
	Shipping Dimensions (WxHxD) (mm)	1077 x 299 x 642 mm	1077 x 299 x 642 mm
Panel Size	Panel Model	PC2NUSMEN	PC2NUSMEN
	Panel Net Weight (kg)	4.00 kg	4.00 kg
	Shipping Weight (kg)	8.00 kg	8.00 kg
	Net Dimensions (WxHxD) (mm)	1030 x 25 x 650 mm	1030 x 25 x 650 mm
	Shipping Dimensions (WxHxD) (mm)	1103 x 151 x 727 mm	1103 x 151 x 727 mm

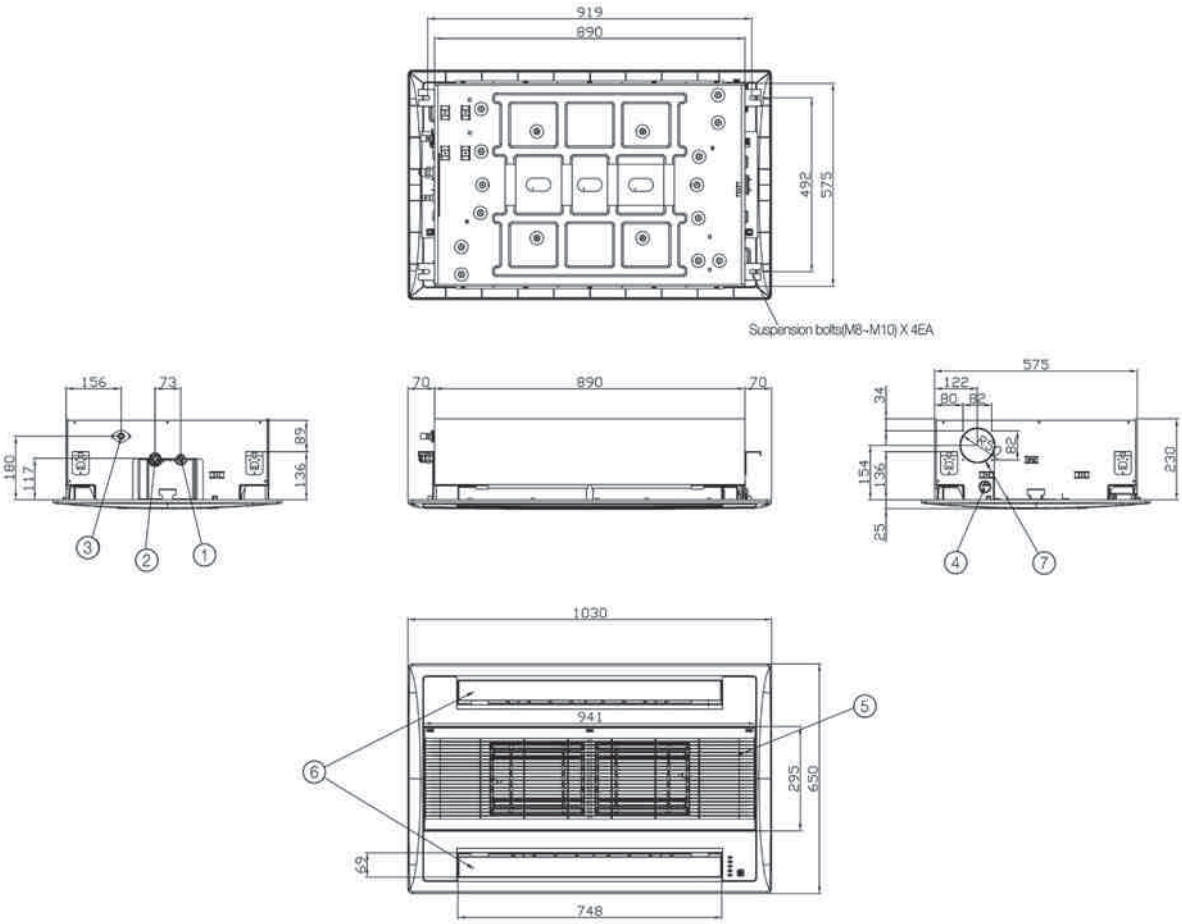
DVM Indoor 2-Way

DIMENSIONAL DRAWINGS

AM056/071FN2DEH/EU



Units: mm



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 (OD32, ID25)	
4	Conduit for power supply and communication wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	-	
7	Fresh air intake	-	

DVM Indoor Mini 4-Way

SPECIFICATIONS

AM015HNNDEH/EU, AM022/028/036FNNDEH/EU



Model Code		AM015HNNDEH/EU	AM022FNNDEH/EU	AM028FNNDEH/EU	AM036FNNDEH/EU
Features	Type	4-Way Cassette (600x600)	4-Way Cassette S (600x600)	4-Way Cassette S (600x600)	4-Way Cassette S (600x600)
Model Name	Indoor Unit	AM015HNNDEH/EU	AM022FNNDEH/EU	AM028FNNDEH/EU	AM036FNNDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	1.50 kW	2.20 kW	2.80 kW	3.60 kW
	Cooling [Btu/h]	5,100 Btu/h	7,500 Btu/h	9,600 Btu/h	12,300 Btu/h
	Heating [kW]	1.70 kW	2.50 kW	3.20 kW	4.00 kW
	Heating [Btu/h]	5,800 Btu/h	8,500 Btu/h	10,900 Btu/h	13,600 Btu/h
Power Input (Nominal)	Cooling [W]	18.00 W	18.00 W	18.00 W	20.00 W
	Heating [W]	18.00 W	18.00 W	18.00 W	20.00 W
Current Input (Nominal)	Cooling	0.17 A	0.17 A	0.17 A	0.19 A
	Heating	0.17 A	0.17 A	0.17 A	0.19 A
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output) [W]	65 x 1 W	65 x 1 W	65 x 1 W	65 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	8.20/7.00/6.30 CMM	9.00/7.70/6.50 CMM	10.00/8.50/7.50 CMM	10.50/9.50/8.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	136.67/116.67/105.00	150.00/128.33/108.33	166.67/141.67/125.00	175.00/158.33/133.33
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	1/2"	1/2"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	30.0/28.0/23.0 dBA	32.0/29.0/25.0 dBA	33.0/30.0/26.0 dBA	34.0/30.0/26.0 dBA
	Sound Power	46.0 dBA	47.0 dBA	50.0 dBA	51.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	12.00 kg	12.00 kg	12.00 kg	12.00 kg
	Shipping Weight (kg)	14.00 kg	14.00 kg	14.00 kg	14.00 kg
	Net Dimensions (WxHxD) (mm)	575 x 250 x 575 mm	575 x 250 x 575 mm	575 x 250 x 575 mm	575 x 250 x 575 mm
	Shipping Dimensions (WxHxD) (mm)	623 x 298 x 653 mm	623 x 298 x 653 mm	623 x 298 x 653 mm	623 x 298 x 653 mm
Panel Size	Panel Model	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN
	Panel Net Weight (kg)	2.70 kg	2.70 kg	2.70 kg	2.70 kg
	Shipping Weight (kg)	4.20 kg	4.20 kg	4.20 kg	4.20 kg
	Net Dimensions (WxHxD) (mm)	670 x 45 x 670 mm	670 x 45 x 670 mm	670 x 45 x 670 mm	670 x 45 x 670 mm
	Shipping Dimensions (WxHxD) (mm)	714 x 106 x 724 mm	714 x 106 x 724 mm	714 x 106 x 724 mm	714 x 106 x 724 mm

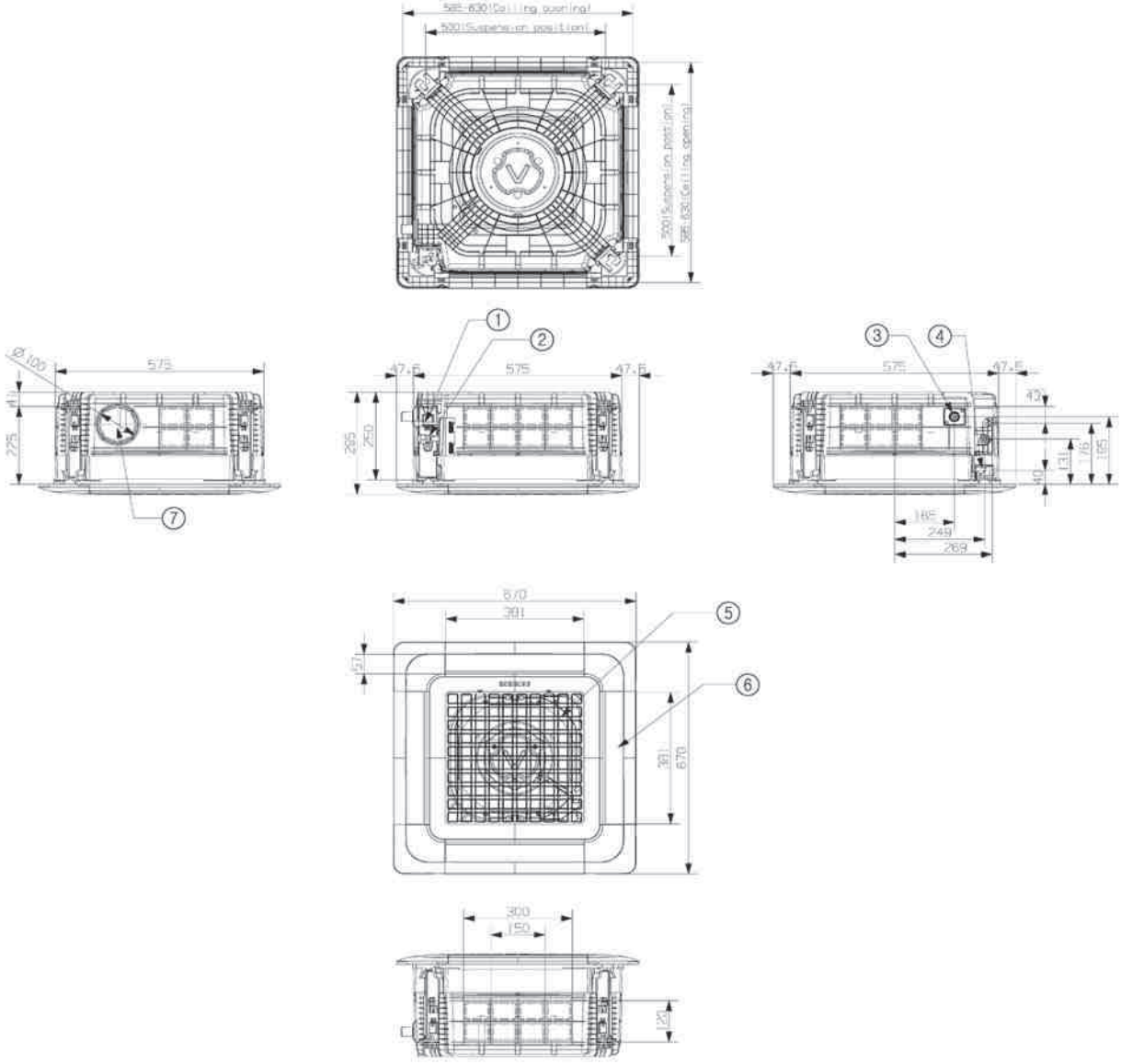
DVM Indoor Mini 4-Way

DIMENSIONAL DRAWINGS

AM015HNNDEH/EU, AM022/028/036FNNDEH/EU



Units: mm



No.	Name	Description
1	Liquid pipe connection	Ø6.35mm (1/4") Flare
2	Gas pipe connection	Ø12.70mm (1/2") Flare
3	Drain pipe connection	VP25 (OD32, ID25)
4	Conduit for power supply and communication wiring	-
5	Air inlet grille	-
6	Air outlet louver	-
7	Fresh air intake	Ø100

DVM Indoor Mini 4-Way

SPECIFICATIONS

AM045/056/060FNNDEH/EU



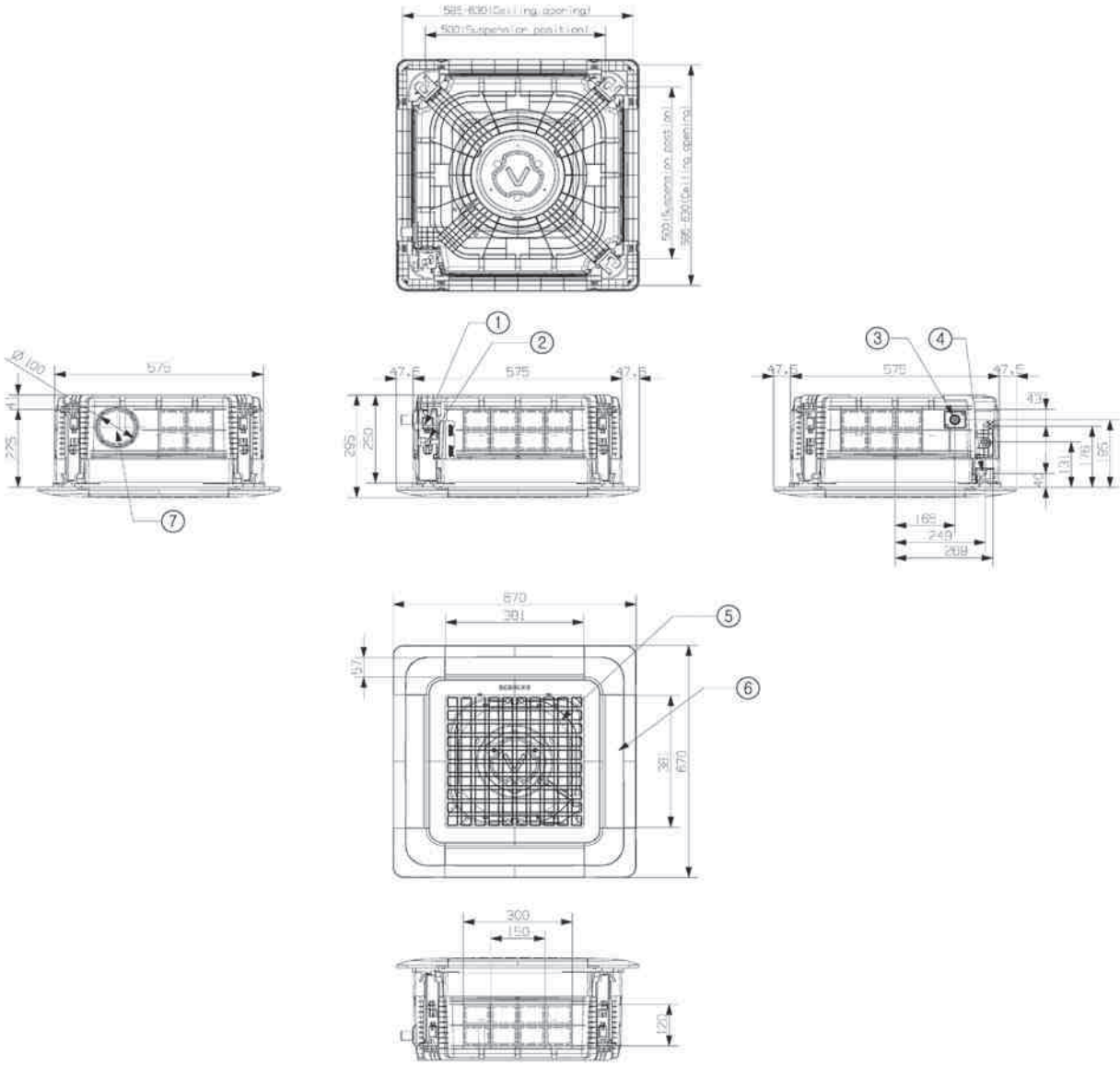
Model Code		AM045FNNDEH/EU	AM056FNNDEH/EU	AM060FNNDEH/EU
Features	Type	4-Way Cassette S (600x600)	4-Way Cassette S (600x600)	4-Way Cassette S (600x600)
Model Name	Indoor Unit	AM045FNNDEH/EU	AM056FNNDEH/EU	AM060FNNDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	4.50 kW	5.60 kW	6.00 kW
	Cooling [Btu/h]	15,400 Btu/h	19,100 Btu/h	20,500 Btu/h
	Heating [kW]	5.00 kW	6.30 kW	6.80 kW
	Heating [Btu/h]	17,100 Btu/h	21,500 Btu/h	23,200 Btu/h
Power Input (Nominal)	Cooling [W]	23.00 W	28.00 W	31.00 W
	Heating [W]	23.00 W	28.00 W	31.00 W
Current Input (Nominal)	Cooling	0.22 A	0.27 A	0.30 A
	Heating	0.22 A	0.27 A	0.30 A
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output) [W]	65 x 1 W	65 x 1 W	65 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	11.50/10.20/9.00 CMM	13.00/11.00/9.50 CMM	13.50/12.00/10.20 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	191.67/170.00/150.00	216.67/183.33/158.33	225.00/200.00/170.00
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	1/2"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36.0/34.0/32.0 dBA	39.0/36.0/33.0 dBA	40.0/38.0/35.0 dBA
	Sound Power	53.0 dBA	56.0 dBA	57.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	12.00 kg	12.00 kg	12.00 kg
	Shipping Weight (kg)	14.00 kg	14.00 kg	14.00 kg
	Net Dimensions (WxHxD) (mm)	575 x 250 x 575 mm	575 x 250 x 575 mm	575 x 250 x 575 mm
	Shipping Dimensions (WxHxD) (mm)	623 x 298 x 653 mm	623 x 298 x 653 mm	623 x 298 x 653 mm
Panel Size	Panel Model	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN
	Panel Net Weight (kg)	2.70 kg	2.70 kg	2.70 kg
	Shipping Weight (kg)	4.20 kg	4.20 kg	4.20 kg
	Net Dimensions (WxHxD) (mm)	670 x 45 x 670 mm	670 x 45 x 670 mm	670 x 45 x 670 mm
	Shipping Dimensions (WxHxD) (mm)	714 x 106 x 724 mm	714 x 106 x 724 mm	714 x 106 x 724 mm

DVM Indoor Mini 4-Way

DIMENSIONAL DRAWINGS
AM045/056/060FNNDEH/EU



Units: mm



No.	Name	Description
1	Liquid pipe connection	Ø6.35mm (1/4") Flare
2	Gas pipe connection	Ø12.70mm (1/2") Flare
3	Drain pipe connection	VP25 (OD32, ID25)
4	Conduit for power supply and communication wiring	-
5	Air inlet grille	-
6	Air outlet louver	-
7	Fresh air intake	Ø100

DVM Indoor 4-Way

SPECIFICATIONS
AM045/056/071/090FN4DEH/EU



Model Code		AM045FN4DEH/EU	AM056FN4DEH/EU	AM071FN4DEH/EU	AM090FN4DEH/EU
Features	Type	4-Way Cassette S	4-Way Cassette S	4-Way Cassette S	4-Way Cassette S
Model Name	Indoor Unit	AM045FN4DEH/EU	AM056FN4DEH/EU	AM071FN4DEH/EU	AM090FN4DEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	4.50 kW	5.60 kW	7.10 kW	9.00 kW
	Cooling [Btu/h]	15,400 Btu/h	19,100 Btu/h	24,200 Btu/h	30,700 Btu/h
	Heating [kW]	5.00 kW	6.30 kW	8.00 kW	10.00 kW
	Heating [Btu/h]	17,100 Btu/h	21,500 Btu/h	27,300 Btu/h	34,100 Btu/h
Power Input (Nominal)	Cooling [W]	32.00 W	32.00 W	45.00 W	62.00 W
	Heating [W]	32.00 W	32.00 W	45.00 W	62.00 W
Current Input (Nominal)	Cooling	0.22 A	0.22 A	0.31 A	0.43 A
	Heating	0.22 A	0.22 A	0.31 A	0.43 A
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output) [W]	TBC	TBC	TBC	TBC
	Air Flow Rate (High / Mid / Low) [CMM]	14.50/13.50/12.50 CMM	15.00/14.00/13.00 CMM	17.00/15.50/14.50 CMM	19.50/18.00/16.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	241.67/225.00/208.33	250.00/233.33/216.67	283.33/258.33/241.67	325.00/300.00/275.00
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	3/8"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	5/8"	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33.0/32.0/30.0 dBA	33.0/32.0/30.0 dBA	35.0/34.0/33.0 dBA	39.0/36.0/33.0 dBA
	Sound Power	49.0 dBA	50.0 dBA	54.0 dBA	57.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	15.50 kg	15.50 kg	15.50 kg	15.50 kg
	Shipping Weight (kg)	19.50 kg	19.50 kg	19.50 kg	19.50 kg
	Net Dimensions (WxHxD) (mm)	840 x 204 x 840 mm	840 x 204 x 840 mm	840 x 204 x 840 mm	840 x 204 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 275 x 898 mm	898 x 275 x 898 mm	898 x 275 x 898 mm	898 x 275 x 898 mm
Panel Size	Panel Model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight (kg)	5.80 kg	5.80 kg	5.80 kg	5.80 kg
	Shipping Weight (kg)	8.40 kg	8.40 kg	8.40 kg	8.40 kg
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950 mm	950 x 45 x 950 mm	950 x 45 x 950 mm	950 x 45 x 950 mm
	Shipping Dimensions (WxHxD) (mm)	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm

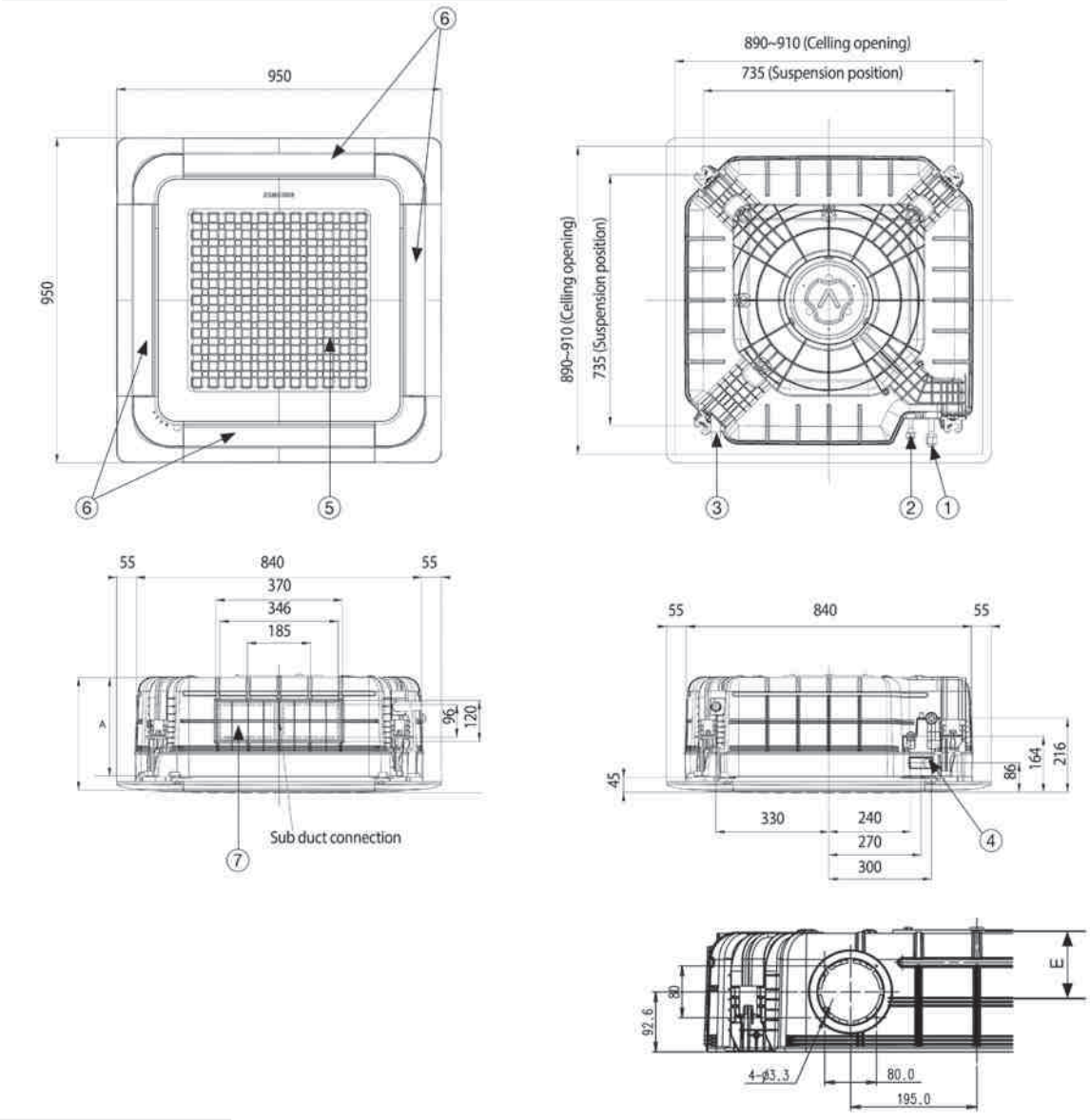
DVM Indoor 4-Way

DIMENSIONAL DRAWINGS

AM045/056/071/090FN4DEH/EU



Units: mm



		Description	
		4.5/5.6kW	7.1/9.0kW
A	mm	204	
B	mm	253	

No.	Name	Description			
		4.5kW	5.6kW	7.1kW	9.0kW
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 (OD32, ID25)			
4	Conduit for power supply and communication wiring	-			
5	Air inlet grille	-			
6	Air outlet louver	-			
7	Sub-duct	-			

DVM Indoor 4-Way

SPECIFICATIONS
AM112/128/140FN4DEH/EU



Model Code		AM112FN4DEH/EU	AM128FN4DEH/EU	AM140FN4DEH/EU
Features	Type	4-Way Cassette S	4-Way Cassette S	4-Way Cassette S
Model Name	Indoor Unit	AM112FN4DEH/EU	AM128FN4DEH/EU	AM140FN4DEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	11.20 kW	12.80 kW	14.00 kW
	Cooling [Btu/h]	38,200 Btu/h	43,700 Btu/h	47,800 Btu/h
	Heating [kW]	12.50 kW	13.80 kW	16.00 kW
	Heating [Btu/h]	42,700 Btu/h	47,100 Btu/h	54,600 Btu/h
Power Input (Nominal)	Cooling [W]	78.00 W	73.00 W	89.00 W
	Heating [W]	78.00 W	73.00 W	89.00 W
Current Input (Nominal)	Cooling	0.55 A	0.51 A	0.62 A
	Heating	0.55 A	0.51 A	0.62 A
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Motor (Output) [W]	TBC	TBC	TBC
	Air Flow Rate (High / Mid / Low) [CMM]	26.00/24.00/22.00 CMM	28.00/26.00/23.00 CMM	30.00/28.00/26.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	433.33/400.00/366.67	466.67/433.33/383.33	500.00/466.67/433.33
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/38.0/35.0 dBA	42.0/40.0/35.0 dBA	44.0/41.0/35.0 dBA
	Sound Power	57.0 dBA	58.0 dBA	60.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	17.00 kg	19.00 kg	19.00 kg
	Shipping Weight (kg)	20.00 kg	22.50 kg	22.50 kg
	Net Dimensions (WxHxD) (mm)	840 x 246 x 840 mm	840 x 288 x 840 mm	840 x 288 x 840 mm
	Shipping Dimensions (WxHxD) (mm)	898 x 316 x 898 mm	898 x 357 x 898 mm	898 x 357 x 898 mm
Panel Size	Panel Model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight (kg)	5.80 kg	5.80 kg	5.80 kg
	Shipping Weight (kg)	8.40 kg	8.40 kg	8.40 kg
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950 mm	950 x 45 x 950 mm	950 x 45 x 950 mm
	Shipping Dimensions (WxHxD) (mm)	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm	1005 x 100 x 1005 mm

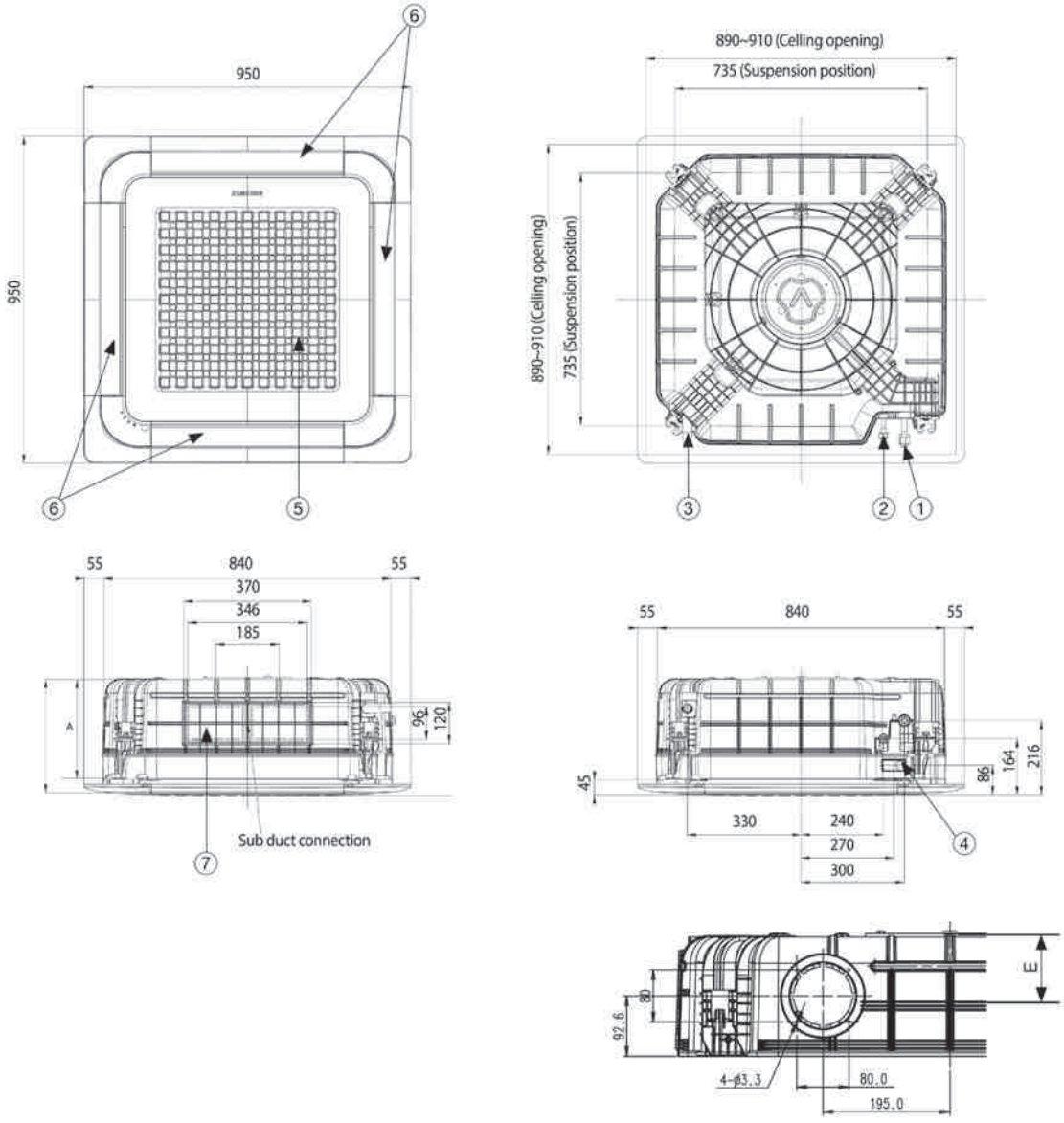
DVM Indoor 4-Way

DIMENSIONAL DRAWINGS

AM112/128/140FN4DEH/EU



Units: mm



		Description	
		11.2kW	12.8/14.0kW
A	mm	246	288
B	mm	295	337

No.	Name	Description		
		11.2kW	12.8kW	114.0kW
1	Liquid pipe connection	Ø9.52 Flare		
2	Gas pipe connection	Ø15.88 Flare		
3	Drain pipe connection	VP25 (OD32, ID25)		
4	Conduit for power supply and communication wiring	-		
5	Air inlet grille	-		
6	Air outlet louver	-		
7	Sub-duct	-		

DVM Indoor Slim Duct

SPECIFICATIONS

AM017/022/028/036FNLDEH/EU



Model Code		AM017FNLDEH/EU	AM022FNLDEH/EU	AM028FNLDEH/EU	AM036FNLDEH/EU
Features	Type	Slim Duct	Slim Duct	Slim Duct	Slim Duct
Model Name	Indoor Unit	AM017FNLDEH/EU	AM022FNLDEH/EU	AM028FNLDEH/EU	AM036FNLDEH/EU
Power Supply (Indoor Unit) [Φ, ǂ, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	1.70 kW	2.20 kW	2.80 kW	3.60 kW
	Cooling [Btu/h]	5,800 Btu/h	7,500 Btu/h	9,600 Btu/h	12,300 Btu/h
	Heating [kW]	1.90 kW	2.50 kW	3.20 kW	4.00 kW
	Heating [Btu/h]	6,500 Btu/h	8,500 Btu/h	10,900 Btu/h	13,600 Btu/h
Power Input (Nominal)	Cooling [W]	55.00 W	55.00 W	60.00 W	65.00 W
	Heating [W]	55.00 W	55.00 W	60.00 W	65.00 W
Current Input (Nominal)	Cooling	0.30 A	0.30 A	0.32 A	0.33 A
	Heating	0.30 A	0.30 A	0.32 A	0.33 A
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	41 x 1 W	69 x 1 W	TBC	TBC
	Air Flow Rate (High / Mid / Low) [CMM]	5.50/4.30/3.20 CMM	7.00/6.10/5.30 CMM	7.50/6.60/5.60 CMM	7.50/6.60/5.60 CMM
	Air Flow Rate (High / Mid / Low) [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
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/1.00/3.00 mmAq	0.00/1.00/3.00 mmAq	0.00/1.00/3.00 mmAq	0.00/1.00/3.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/9.81/29.42 Pa	0.00/9.81/29.42 Pa	0.00/9.81/29.42 Pa	0.00/9.81/29.42 Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	1/2"	1/2"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	23.0/22.0/20.0 dBA	26.0/24.0/21.0 dBA	28.0/26.0/23.0 dBA	32.0/30.0/27.0 dBA
	Sound Power	49.0 dBA	49.0 dBA	49.0 dBA	51.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	19.00 kg	19.00 kg	19.00 kg	19.50 kg
	Shipping Weight (kg)	23.00 kg	23.00 kg	23.00 kg	23.50 kg
	Net Dimensions (WxHxD) (mm)	700 x 199 x 600 mm	700 x 199 x 600 mm	700 x 199 x 600 mm	700 x 199 x 600 mm
	Shipping Dimensions (WxHxD) (mm)	950 x 270 x 710 mm	950 x 270 x 710 mm	950 x 270 x 710 mm	950 x 270 x 710 mm
Additional Accessories	Drain Pump	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D

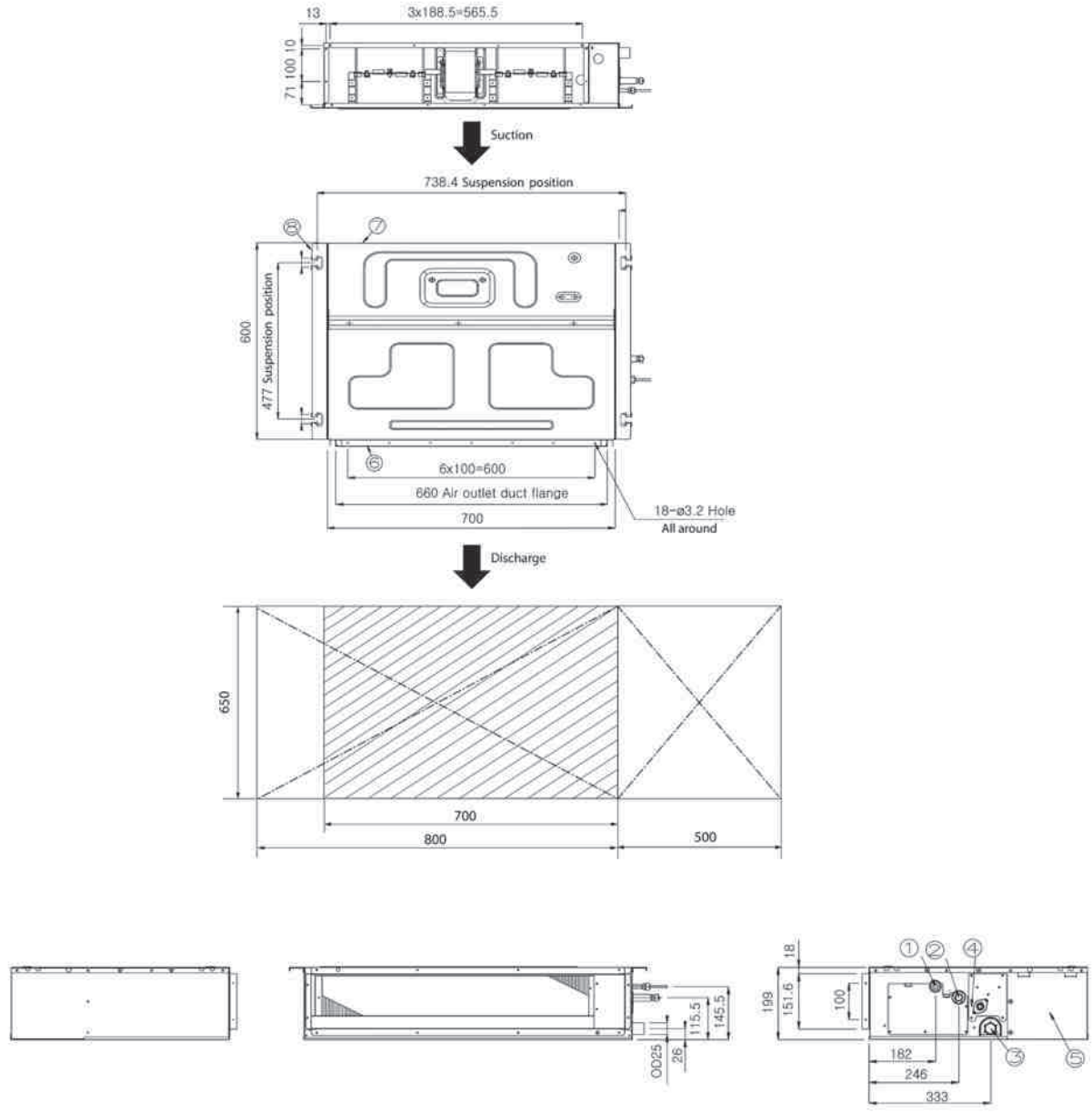
DVM Indoor Slim Duct

DIMENSIONAL DRAWINGS

AM017/022/028/036FNLDEH/EU



Units: mm



No.	Name	Description			
		1.7kW	2.2kW	2.8kW	3.6kW
1	Liquid pipe connection	Ø6.35 Flare			
2	Gas pipe connection	Ø12.70 Flare			
3	Drain pipe connection without optional drain pump kits	VP25 (OD32, ID25)			
4	Drain pipe connection with optional drain pump kits	VP25 (OD32, ID25)			
5	Power supply/communication connection	-			
6	Power supply connection	-			
7	Air discharge grille flange				
8	Hook	3/8" or M10			

DVM Indoor Slim Duct

SPECIFICATIONS

AM045/056FNLDEH/EU



Model Code		AM045FNLDEH/EU	AM056FNLDEH/EU
Features	Type	Slim Duct	Slim Duct
Model Name	Indoor Unit	AM045FNLDEH/EU	AM056FNLDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	4.50 kW	5.60 kW
	Cooling [Btu/h]	15,400 Btu/h	19,100 Btu/h
	Heating [kW]	5.00 kW	6.30 kW
	Heating [Btu/h]	17,100 Btu/h	21,500 Btu/h
Power Input (Nominal)	Cooling [W]	90.00 W	95.00 W
	Heating [W]	90.00 W	95.00 W
Current Input (Nominal)	Cooling	0.52 A	0.53 A
	Heating	0.52 A	0.53 A
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	TBC	TBC
	Air Flow Rate (High / Mid / Low) [CMM]	11.00/9.60/8.30 CMM	12.00/10.50/9.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	183.33/160.00/138.33	200.00/175.00/150.00
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/2.00/4.00 mmAq	0.00/2.00/4.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/19.61/39.23 Pa	0.00/19.61/39.23 Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	35.0/31.0/26.0 dBA	36.0/34.0/31.0 dBA
	Sound Power	53.0 dBA	55.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	24.5 kg	24.50 kg
	Shipping Weight (kg)	28.5 kg	28.5 kg
	Net Dimensions (WxHxD) (mm)	900 x 199 x 600 mm	900 x 199 x 600 mm
	Shipping Dimensions (WxHxD) (mm)	1150 x 280 x 710 mm	1150 x 280 x 710 mm
Additional Accessories	Drain Pump	MDP-E075SEE3D	MDP-E075SEE3D

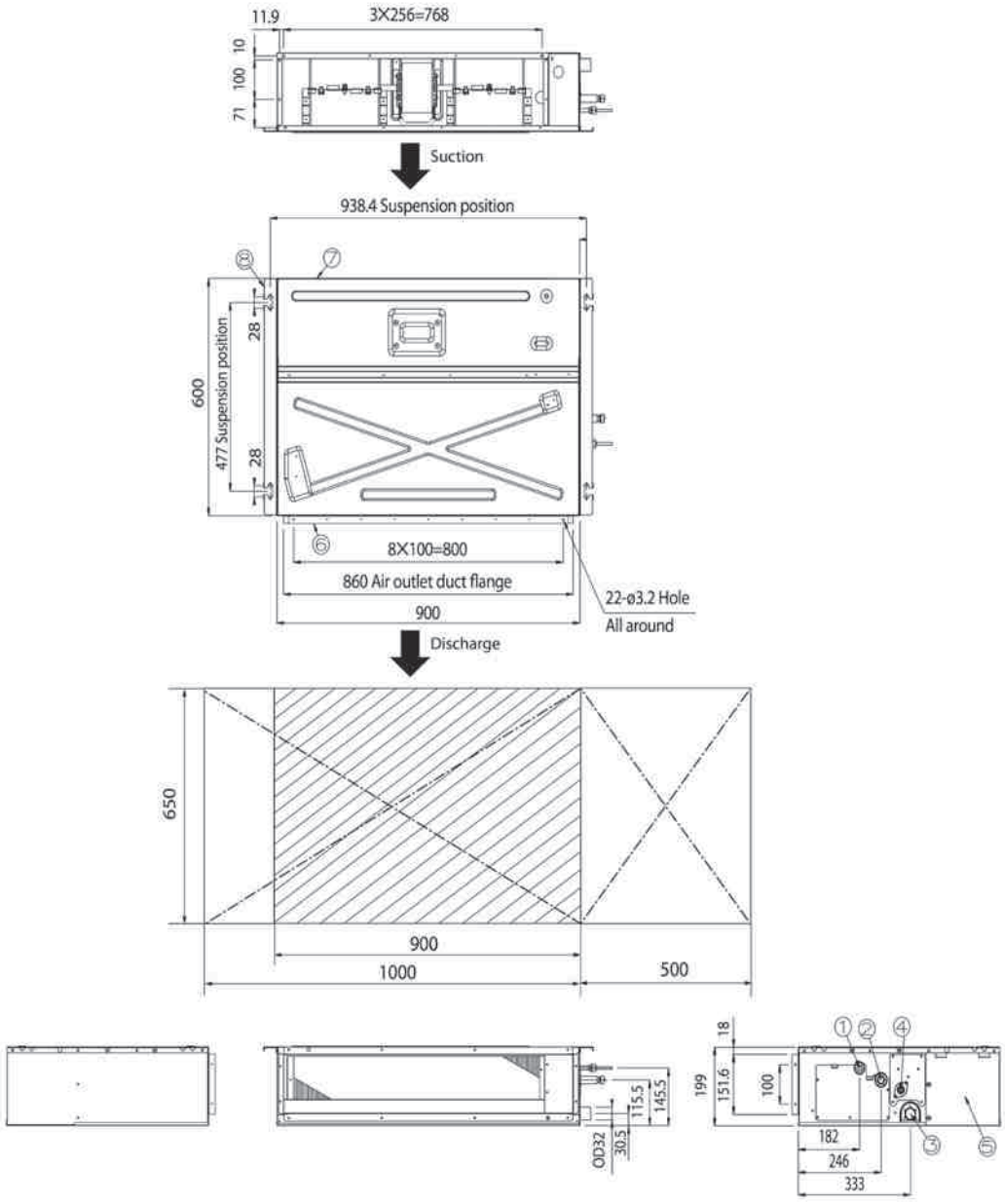
DVM Indoor Slim Duct

DIMENSIONAL DRAWINGS

AM045/056FNLDEH/EU



Units: mm



No.	Name	Description	
		4.5kW	5.6kW
1	Liquid pipe connection	Ø6.35 Flare	
2	Gas pipe connection	Ø12.70 Flare	
3	Drain pipe connection without optional drain pump kits	VP25 (OD32, ID25)	
4	Drain pipe connection with optional drain pump kits	VP25 (OD32, ID25)	
5	Control unit	-	
6	Conduit for power supply and communication wiring	-	
7	Return air side	-	
8	Air outlet duct flange	-	

DVM Indoor Slim Duct

SPECIFICATIONS

AM071FNLDEH/EU



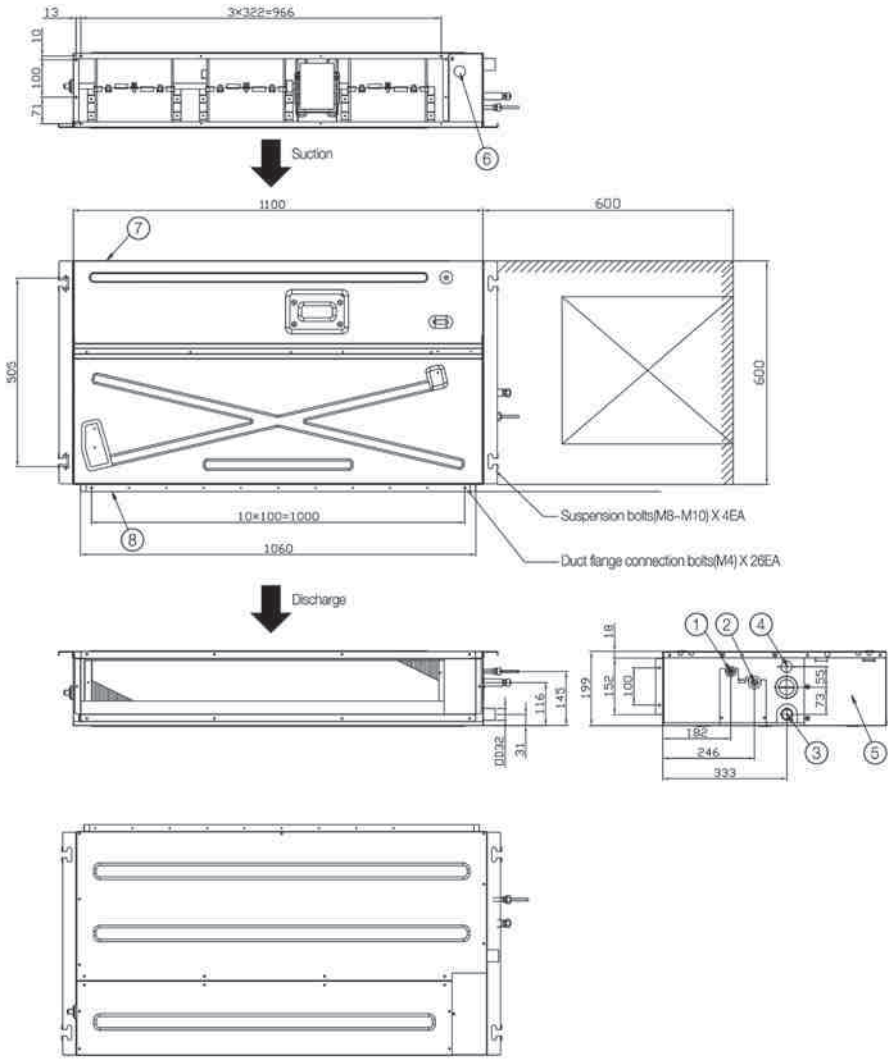
Model Code		AM071FNLDEH/EU
Features	Type	Slim Duct
Model Name	Indoor Unit	AM071FNLDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
System	Mode	HP/HR
Capacity	Cooling [kW]	7.10 kW
	Cooling [Btu/h]	24,200 Btu/h
	Heating [kW]	8.00 kW
	Heating [Btu/h]	27,300 Btu/h
Power Input (Nominal)	Cooling [W]	120.00 W
	Heating [W]	120.00 W
Current Input (Nominal)	Cooling	0.60 A
	Heating	0.60 A
Fan	Type	Sirocco Fan
	Motor (Output) [W]	TBC
	Air Flow Rate (High / Mid / Low) [CMM]	16.50/15.00/13.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	275.00/250.00/225.00
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/2.00/4.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/19.61/39.23 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"
	Gas Pipe (Φ, mm)	15.88 mm
	Gas Pipe (Φ, inch)	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0/36.0/33.0 dBA
	Sound Power	57.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	30.00 kg
	Shipping Weight (kg)	34.5 kg
	Net Dimensions (WxHxD) (mm)	1100 x 199 x 600 mm
	Shipping Dimensions (WxHxD) (mm)	1350 x 280 x 710 mm
Additional Accessories	Drain Pump	MDP-E075SEE3D

DVM Indoor Slim Duct

DIMENSIONAL DRAWINGS
AM071FNLDEH/EU



Units: mm



No.	Name	Description
		7.1kW
1	Liquid pipe connection	Ø9.52 Flare
2	Gas pipe connection	Ø15.88 Flare
3	Drain pipe connection without optional drain pump kits	VP25 (OD32, ID25)
4	Drain pipe connection with optional drain pump kits	VP25 (OD32, ID25)
5	Control unit	-
6	Conduit for power supply and communication wiring	-
7	Return air side	-
8	Air outlet duct flange	-

DVM Indoor Slim Duct

SPECIFICATIONS

AM090/112/128/140FNLDEH/EU



Model Code		AM090FNLDEH/EU	AM112FNLDEH/EU	AM128FNLDEH/EU	AM140FNLDEH/EU
Features	Type	Slim Duct	Slim Duct	Slim Duct	Slim Duct
Model Name	Indoor Unit	AM090FNLDEH/EU	AM112FNLDEH/EU	AM128FNLDEH/EU	AM140FNLDEH/EU
Power Supply (Indoor Unit) [Φ, ∰, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	9.00 kW	11.20 kW	12.80 kW	14.00 kW
	Cooling [Btu/h]	30,700 Btu/h	38,200 Btu/h	43,700 Btu/h	47,800 Btu/h
	Heating [kW]	10.00 kW	12.50 kW	13.80 kW	16.00 kW
	Heating [Btu/h]	34,100 Btu/h	42,700 Btu/h	47,100 Btu/h	54,600 Btu/h
Power Input (Nominal)	Cooling [W]	170.00 W	170.00 W	200.00 W	220.00 W
	Heating [W]	170.00 W	170.00 W	200.00 W	220.00 W
Current Input (Nominal)	Cooling	0.96 A	0.96 A	1.28 A	1.43 A
	Heating	0.96 A	0.96 A	1.28 A	1.43 A
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	TBC	TBC	TBC	TBC
	Air Flow Rate (High / Mid / Low) [CMM]	29.00/27.00/25.00 CMM	31.20/29.00/27.00 CMM	34.00/32.00/30.00 CMM	36.00/34.00/32.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	483.33/450.00/416.67	520.00/483.33/450.00	566.67/533.33/500.00	600.00/566.67/533.33
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/3.00/6.00 mmAq	0.00/3.00/6.00 mmAq	0.00/3.00/6.00 mmAq	0.00/3.00/6.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/29.42/58.84 Pa	0.00/29.42/58.84 Pa	0.00/29.42/58.84 Pa	0.00/29.42/58.84 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37.0/36.0/33.0 dBA	37.0/36.0/34.0 dBA	37.0/36.0/34.0 dBA	39.0/38.0/36.0 dBA
	Sound Power	64.0 dBA	64.0 dBA	64.0 dBA	65.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	40 kg	40 kg	46.00 kg	46.00 kg
	Shipping Weight (kg)	47 kg	47 kg	54.00 kg	54.00 kg
	Net Dimensions (WxHxD) (mm)	1300 x 295 x 690 mm	1300 x 295 x 690 mm	1300 x 295 x 690 mm	1300 x 295 x 690 mm
	Shipping Dimensions (WxHxD) (mm)	1575 x 370 x 835 mm	1575 x 370 x 835 mm	1575 x 370 x 835 mm	1575 x 370 x 835 mm
Additional Accessories	Drain Pump	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D

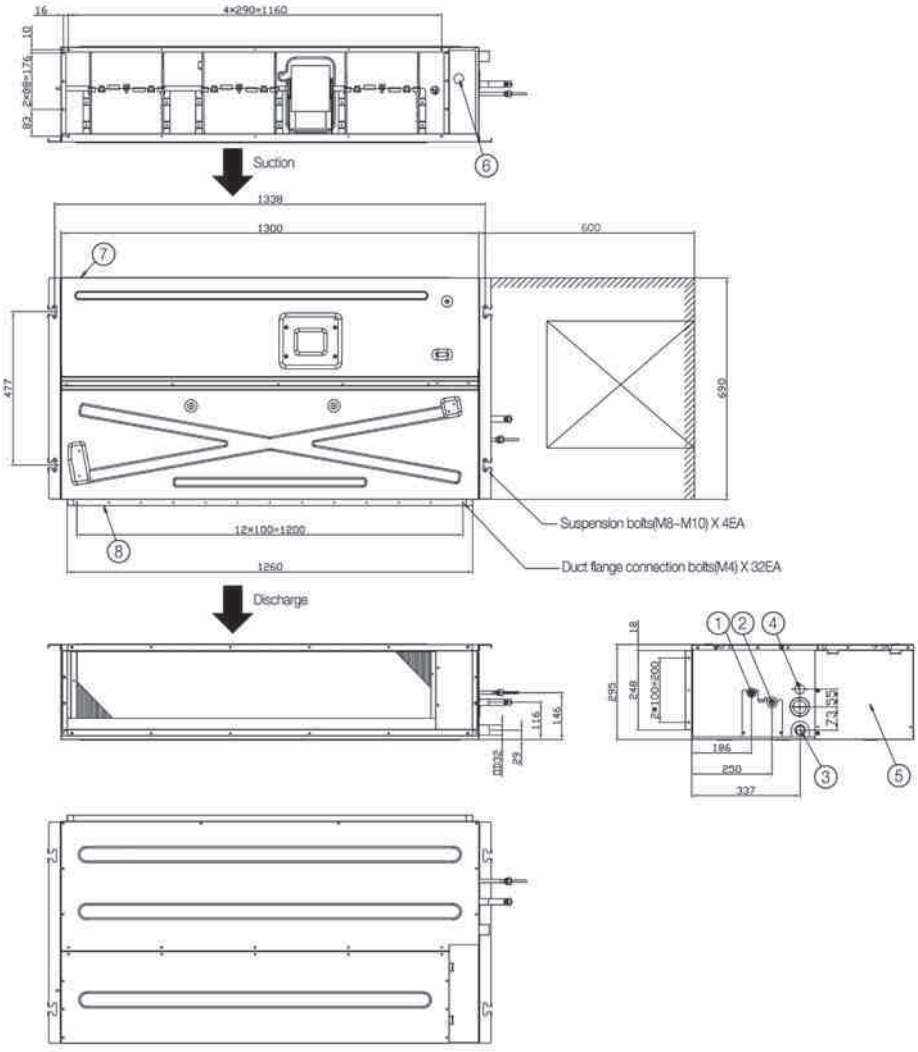
DVM Indoor Slim Duct

DIMENSIONAL DRAWINGS

AM090/112/128/140FNLDEH/EU



Units: mm



No.	Name	Description			
		9.0kW	11.2kW	12.8kW	14.0kW
1	Liquid pipe connection	Ø9.52 Flare			
2	Gas pipe connection	Ø15.88 Flare			
3	Drain pipe connection without optional drain pump kits	VP25 (OD32, ID25)			
4	Drain pipe connection with optional drain pump kits	VP25 (OD32, ID25)			
5	Control unit	-			
6	Conduit for power supply and communication wiring	-			
7	Return air side	-			
8	Air outlet duct flange	-			

DVM Indoor MSP Duct Standard

SPECIFICATIONS

AM022/028/036FNMDEH/EU



Model Code		AM022FNMDEH/EU	AM028FNMDEH/EU	AM036FNMDEH/EU
Features	Type	MSP Duct	MSP Duct	MSP Duct
Model Name	Indoor Unit	AM022FNMDEH/EU	AM028FNMDEH/EU	AM036FNMDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	2.20 kW	2.80 kW	3.60 kW
	Cooling [Btu/h]	7,500 Btu/h	9,600 Btu/h	12,300 Btu/h
	Heating [kW]	2.50 kW	3.20 kW	4.00 kW
	Heating [Btu/h]	8,500 Btu/h	10,900 Btu/h	13,600 Btu/h
Power Input (Nominal)	Cooling [W]	80.00 W	80.00 W	85.00 W
	Heating [W]	80.00 W	80.00 W	85.00 W
Current Input (Nominal)	Cooling	0.40 A	0.40 A	0.55 A
	Heating	0.40 A	0.40 A	0.55 A
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	69 x 1 W	69 x 1 W	112 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	8.50/7.50/6.30 CMM	10.00/9.20/7.50 CMM	12.00/10.20/8.80 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	141.67/125.00/105.00	166.67/153.33/125.00	200.00/170.00/146.67
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/2.00/6.00 mmAq	0.00/2.00/6.00 mmAq	0.00/2.00/6.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/19.61/58.84 Pa	0.00/19.61/58.84 Pa	0.00/19.61/58.84 Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	1/2"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	23.0/21.0/19.0 dBA	24.0/22.0/19.0 dBA	29.0/27.0/24.0 dBA
	Sound Power	47.0 dBA	48.0 dBA	53.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	23.50 kg	23.50 kg	23.50 kg
	Shipping Weight (kg)	28.00 kg	28.00 kg	28.00 kg
	Net Dimensions (WxHxD) (mm)	900 x 199 x 600 mm	900 x 199 x 600 mm	900 x 199 x 600 mm
	Shipping Dimensions (WxHxD) (mm)	1150 x 280 x 710 mm	1150 x 280 x 710 mm	1150 x 280 x 710 mm
Additional Accessories	Drain Pump	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D
	Drain Pump Max. Lifting Height/Displacement	750 / 24	750 / 24	750 / 24
	Air Filter	Long life filter	Long life filter	Long life filter

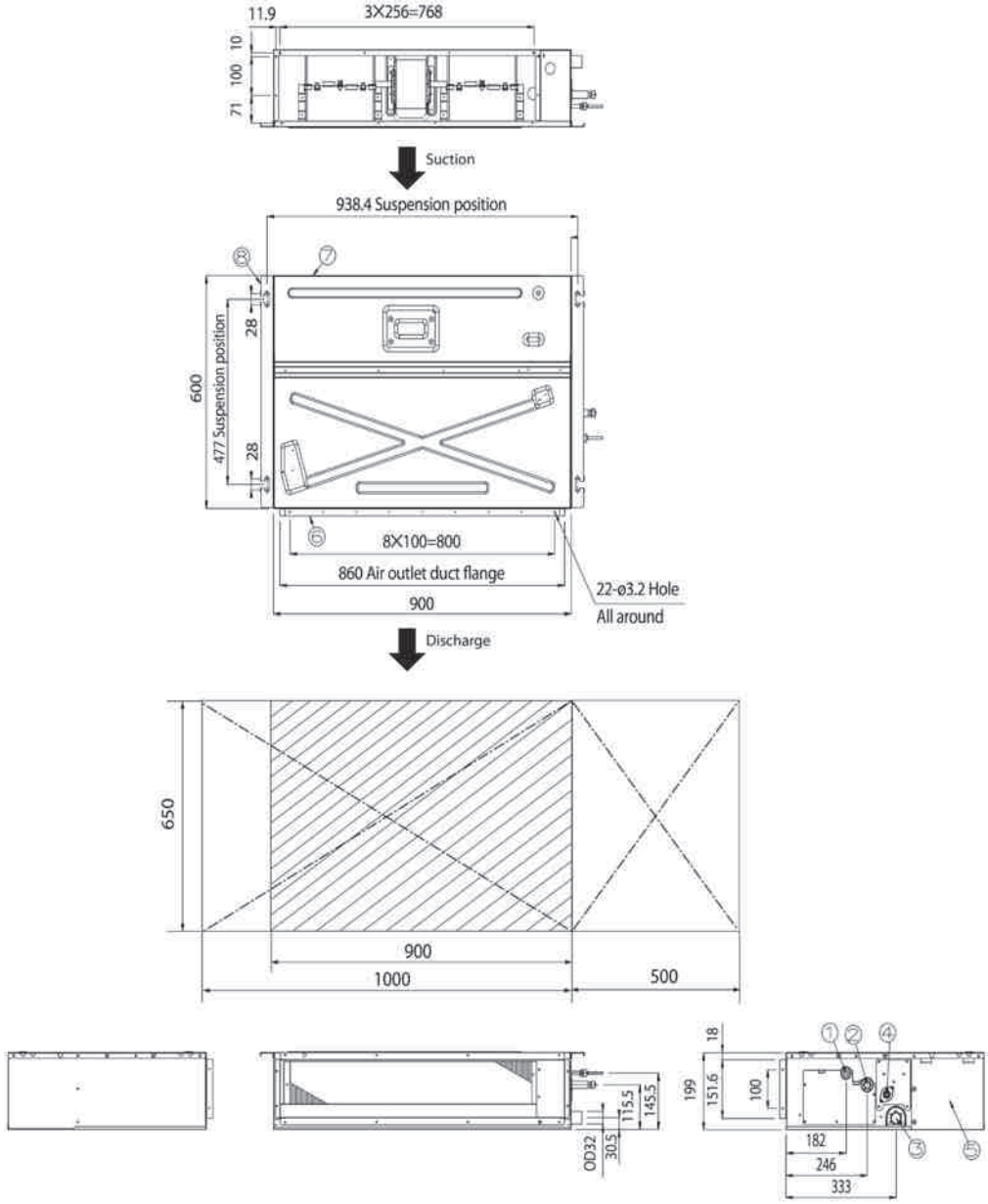
DVM Indoor MSP Duct Standard

DIMENSIONAL DRAWINGS

AM022/028/036FNMDEH/EU



Units: mm



No.	Name	Description		
		2.2kW	2.8kW	3.6kW
1	Liquid pipe connection	Ø6.35 Flare		
2	Gas pipe connection	Ø12.70 Flare		
3	Drain pipe connection without optional drain pump kits	VP25 (OD32, ID25)		
4	Drain pipe connection with optional drain pump kits	VP25 (OD32, ID25)		
5	Control Unit	-		
6	Conduit for power supply andcommunication wiring	-		
7	Return air side	-		
8	Air outlet duct flange	-		

DVM Indoor MSP Duct Standard

SPECIFICATIONS

AM045/056/071FNMDEH/EU



Model Code		AM045FNMDEH/EU	AM056FNMDEH/EU	AM071FNMDEH/EU
Features	Type	MSP Duct	MSP Duct	MSP Duct
Model Name	Indoor Unit	AM045FNMDEH/EU	AM056FNMDEH/EU	AM071FNMDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	4.50 kW	5.60 kW	7.10 kW
	Cooling [Btu/h]	15,400 Btu/h	19,100 Btu/h	24,200 Btu/h
	Heating [kW]	5.00 kW	6.30 kW	8.00 kW
	Heating [Btu/h]	17,100 Btu/h	21,500 Btu/h	27,300 Btu/h
Power Input (Nominal)	Cooling [W]	125.00 W	130.00 W	190.00 W
	Heating [W]	125.00 W	130.00 W	190.00 W
Current Input (Nominal)	Cooling	1.15 A	1.10 A	1.25 A
	Heating	1.15 A	1.10 A	1.25 A
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	219 x 1 W	124 x 1 W	124 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	14.00/12.00/10.50 CMM	14.50/13.00/11.50 CMM	18.50/17.00/15.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	233.33/200.00/175.00	241.67/216.67/191.67	308.33/283.33/258.33
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/4.00/8.00 mmAq	0.00/4.00/8.00 mmAq	0.00/4.00/8.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/39.23/78.45 Pa	0.00/39.23/78.45 Pa	0.00/39.23/78.45 Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	32.0/30.0/28.0 dBA	35.0/33.0/31.0 dBA	39.0/35.0/31.0 dBA
	Sound Power	54.0 dBA	57.0 dBA	61.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	29.00 kg	29.00 kg	29.00 kg
	Shipping Weight (kg)	33.00 kg	33.00 kg	33.00 kg
	Net Dimensions (WxHxD) (mm)	900 x 260 x 480 mm	900 x 260 x 480 mm	900 x 260 x 480 mm
	Shipping Dimensions (WxHxD) (mm)	1170 x 340 x 595 mm	1170 x 340 x 595 mm	1170 x 340 x 595 mm
Additional Accessories	Drain Pump	MDP-M075SGU3D	MDP-M075SGU3D	MDP-M075SGU3D
	Drain Pump Max. Lifting Height/Displacement	750 / 24	750 / 24	750 / 24
	Air Filter	Long life filter	Long life filter	Long life filter

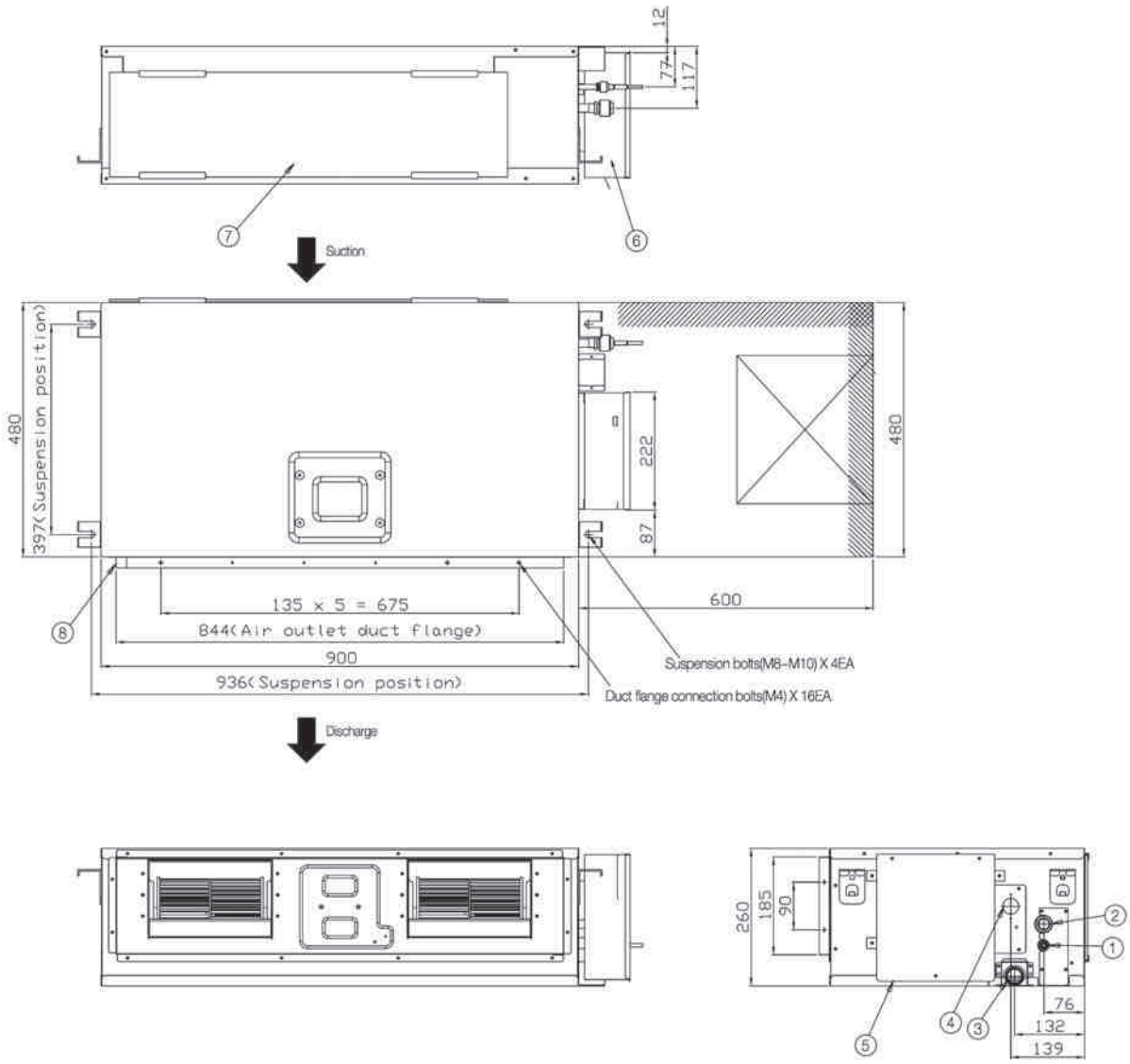
DVM Indoor MSP Duct Standard

DIMENSIONAL DRAWINGS

AM045/056/071FNMDEH/EU



Units: mm



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 optional drain pump kits	VP25 (OD32, ID25)		
4	Drain pipe connection with optional drain pump kits	VP25 (OD32, ID25)		
5	Control Unit	-		
6	Conduit for power supply andcommunication wiring	-		
7	Return air side	-		
8	Air outlet duct flange	-		

DVM Indoor MSP Duct Standard

SPECIFICATIONS

AM090FNMDEH/EU



Model Code		AM090FNMDEH/EU
Features	Type	MSP Duct
Model Name	Indoor Unit	AM090FNMDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
System	Mode	HP/HR
Capacity	Cooling [kW]	9.00 kW
	Cooling [Btu/h]	30,700 Btu/h
	Heating [kW]	10.00 kW
	Heating [Btu/h]	34,100 Btu/h
Power Input (Nominal)	Cooling [W]	240.00 W
	Heating [W]	240.00 W
Current Input (Nominal)	Cooling	1.30 A
	Heating	1.30 A
Fan	Type	Sirocco Fan
	Motor (Output) [W]	130 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	19.50/18.00/16.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	325.00/300.00/275.00
	External Static Pressure (Min / Std / Max) [mmAq]	4.00/6.00/8.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	39.23/58.84/78.45 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"
	Gas Pipe (Φ, mm)	15.88 mm
	Gas Pipe (Φ, inch)	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/37.0/34.0 dBA
	Sound Power	63.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	32 kg
	Shipping Weight (kg)	36 kg
	Net Dimensions (WxHxD) (mm)	1150 x 260 x 480 mm
	Shipping Dimensions (WxHxD) (mm)	1420 x 340 x 595 mm
Additional Accessories	Drain Pump	MDP-M075SGU1D
	Drain Pump Max. Lifting Height/Displacement	750 / 24
	Air Filter	Long life filter

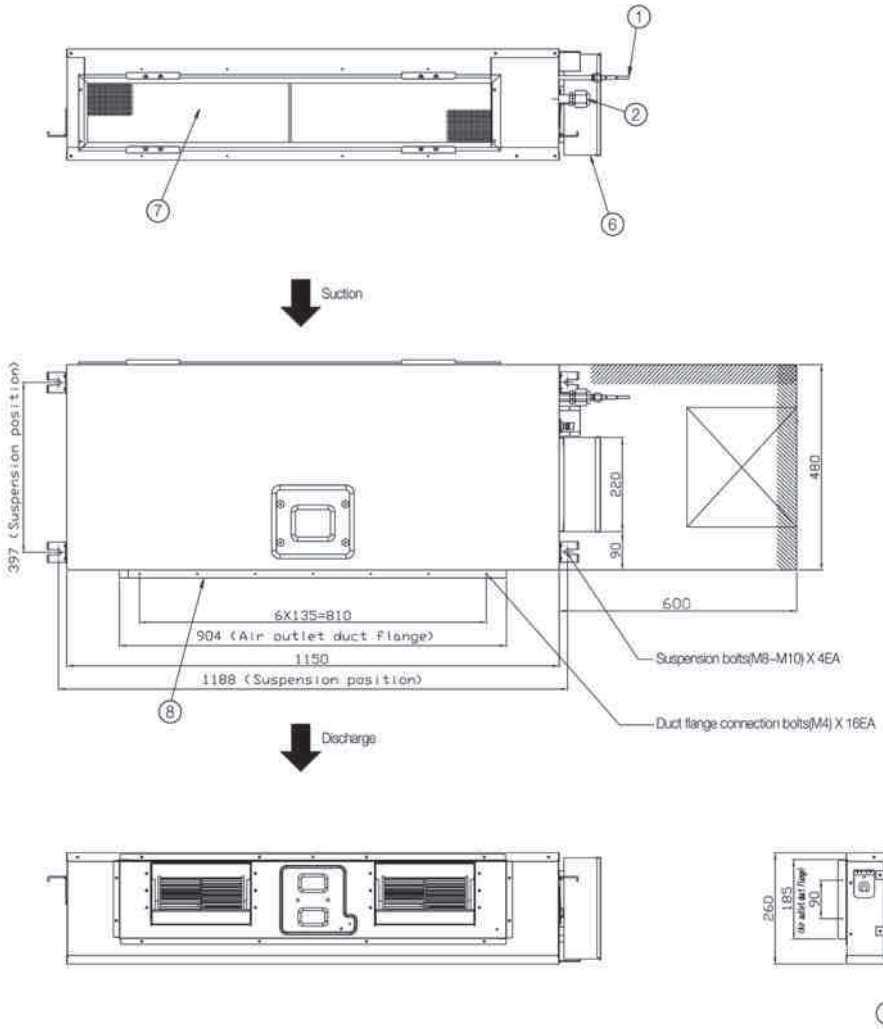
DVM Indoor MSP Duct Standard

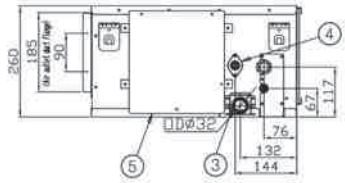
DIMENSIONAL DRAWINGS

AM090FNMDEH/EU



Units: mm





No.	Name	Description
		9.0kW
1	Liquid pipe connection	Ø9.52 Flare
2	Gas pipe connection	Ø15.88 Flare
3	Drain pipe connection without optional drain pump kits	VP25 (OD32, ID25)
4	Drain pipe connection with optional drain pump kits	VP25 (OD32, ID25)
5	Control Unit	-
6	Conduit for power supply andcommunication wiring	-
7	Return air side	-
8	Air outlet duct flange	-

DVM Indoor MSP Duct Standard

SPECIFICATIONS

AM112FNMDEH/EU



Model Code		AM112FNMDEH/EU
Features	Type	MSP Duct
Model Name	Indoor Unit	AM112FNMDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
System	Mode	HP/HR
Capacity	Cooling [kW]	11.20 kW
	Cooling [Btu/h]	38,200 Btu/h
	Heating [kW]	12.50 kW
	Heating [Btu/h]	42,700 Btu/h
Power Input (Nominal)	Cooling [W]	260.00 W
	Heating [W]	260.00 W
Current Input (Nominal)	Cooling	1.17 A
	Heating	1.17 A
Fan	Type	Sirocco Fan
	Motor (Output) [W]	130 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	27.00/25.00/23.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	450.00/416.67/383.33
	External Static Pressure (Min / Std / Max) [mmAq]	4.00/8.00/12.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	39.23/78.45/117.68 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"
	Gas Pipe (Φ, mm)	15.88 mm
	Gas Pipe (Φ, inch)	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	41.0/40.0/38.0 dBA
	Sound Power	66.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	36.5 kg
	Shipping Weight (kg)	40.5 kg
	Net Dimensions (WxHxD) (mm)	1150 x 320 x 480 mm
	Shipping Dimensions (WxHxD) (mm)	1420 x 400 x 595 mm
Additional Accessories	Drain Pump	MDP-M075SGU1D
	Drain Pump Max. Lifting Height/Displacement	750 / 24
	Air Filter	Long life filter

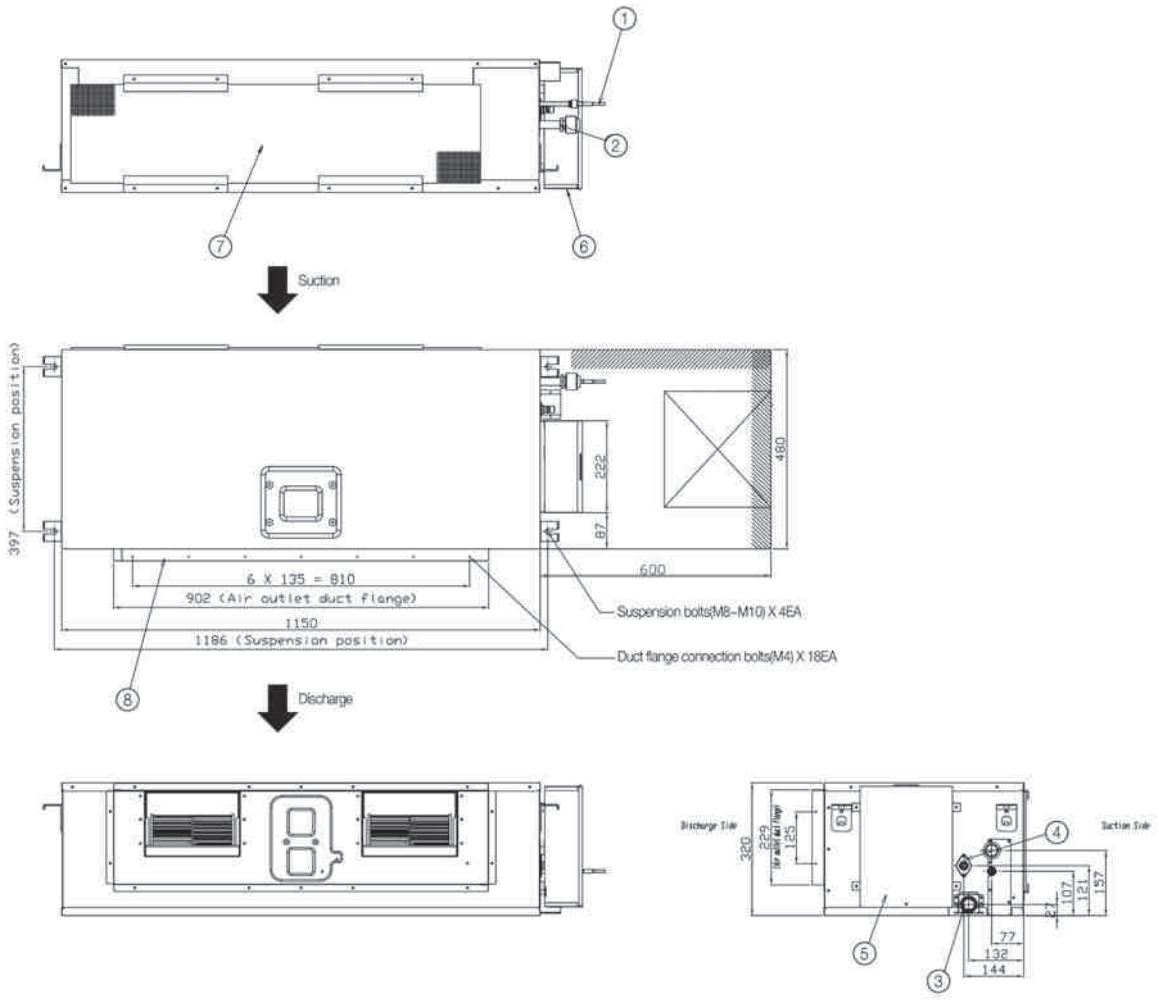
DVM Indoor MSP Duct Standard

DIMENSIONAL DRAWINGS

AM112FNMDEH/EU



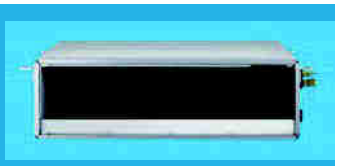
Units: mm



No.	Name	Description
		11.2kW
1	Liquid pipe connection	Ø9.52 Flare
2	Gas pipe connection	Ø15.88 Flare
3	Drain pipe connection without optional drain pump kits	VP25 (OD32, ID25)
4	Drain pipe connection with optional drain pump kits	VP25 (OD32, ID25)
5	Control unit	-
6	Conduit for power supply andcommunication wiring	-
7	Return air side	-
8	Air outlet duct flange	-

DVM Indoor Duct S

SPECIFICATIONS
AM036/045/056/071HNMPKH/EU

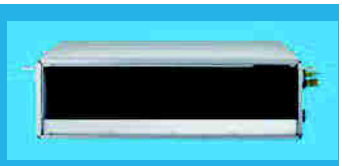


Model Code		AM036HNMPKH/EU	AM045HNMPKH/EU	AM056HNMPKH/EU	AM071HNMPKH/EU
Features	Type	Duct S	Duct S	Duct S	Duct S
Model Name	Indoor Unit	AM036HNMPKH/EU	AM045HNMPKH/EU	AM056HNMPKH	AM071HNMPKH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	3.60 kW	4.50 kW	5.60 kW	7.10 kW
	Cooling [Btu/h]	12,300 Btu/h	15,400 Btu/h	19,100 Btu/h	24,200 Btu/h
	Heating [kW]	4.00 kW	5.00 kW	6.30 kW	8.00 kW
	Heating [Btu/h]	13,600 Btu/h	17,100 Btu/h	21,500 Btu/h	27,300 Btu/h
Power Input (Nominal)	Cooling [W]	50.00 W	60.00 W	70.00 W	120.00 W
	Heating [W]	50.00 W	60.00 W	70.00 W	120.00 W
Current Input (Nominal)	Cooling	0.50 A	0.60 A	0.70 A	1.00 A
	Heating	0.50 A	0.60 A	0.70 A	1.00 A
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	153 x 1 W	153 x 1 W	153 x 1 W	153 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	12.00/9.50/8.00 CMM	14.00/11.00/8.00 CMM	16.00/13.50/11.00 CMM	22.00/19.00/16.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	200.00/158.33/133.33	233.33/183.33/133.33	266.67/225.00/183.33	366.67/316.67/266.67
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/2.50/15.00 mmAq	0.00/3.00/15.00 mmAq	0.00/3.00/15.00 mmAq	0.00/3.00/15.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/24.52/147.10 Pa	0.00/29.42/147.10 Pa	0.00/29.42/147.10 Pa	0.00/29.42/147.10 Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm	12.70 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	1/2"	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	29.0/26.0/23.0 dBA	31.0/28.0/24.0 dBA	32.0/29.0/25.0 dBA	37.0/33.0/29.0 dBA
	Sound Power	47.0 dBA	49.0 dBA	49.0 dBA	57.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	25.50 kg	25.50 kg	25.50 kg	25.50 kg
	Shipping Weight (kg)	30.00 kg	30.00 kg	30.00 kg	30.00 kg
	Net Dimensions (WxHxD) (mm)	850 x 250 x 700 mm	850 x 250 x 700 mm	850 x 250 x 700 mm	850 x 250 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	1064 x 320 x 784 mm	1064 x 320 x 784 mm	1064 x 320 x 784 mm	1064 x 320 x 784 mm
Additional Accessories	Drain Pump	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP
	Drain Pump Max. Lifting Height/Displacement	750 / 24	750 / 24	750 / 24	750 / 24
	Air Filter	Long life filter	Long life filter	Long life filter	Long life filter

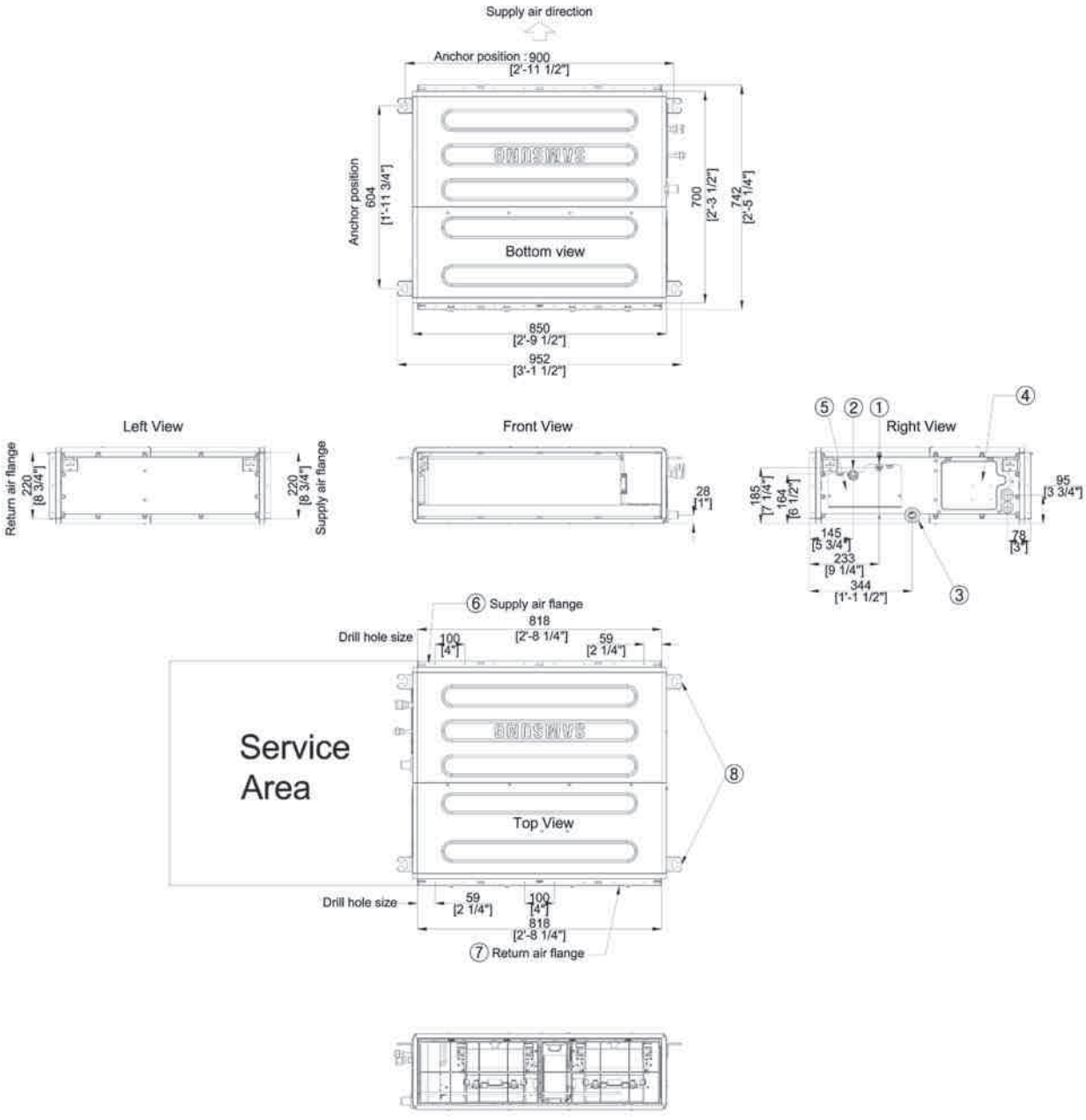
DVM Indoor Duct S

DIMENSIONAL DRAWINGS

AM036/045/056/071HNMPKH/EU



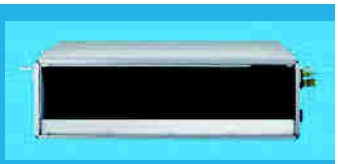
Units: mm



No.	Name
1	Refrigerant liquid pipe
2	Refrigerant gas pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Refrigerant pipe conduits
6	Supply air flange
7	Return air flange
8	Hook

DVM Indoor Duct S

SPECIFICATIONS
AM090HNMPKH/EU

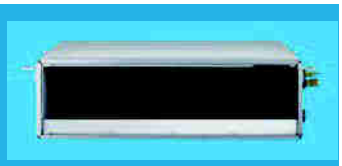


Model Code		AM090HNMPKH/EU
Features	Type	Duct S
Model Name	Indoor Unit	AM090HNMPKH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
System	Mode	HP/HR
Capacity	Cooling [kW]	9.00 kW
	Cooling [Btu/h]	30,700 Btu/h
	Heating [kW]	10.00 kW
	Heating [Btu/h]	34,100 Btu/h
Power Input (Nominal)	Cooling [W]	145.00 W
	Heating [W]	145.00 W
Current Input (Nominal)	Cooling	1.20 A
	Heating	1.20 A
Fan	Type	Sirocco Fan
	Motor (Output) [W]	153 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	29.00/25.00/22.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	483.33/416.67/366.67
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/4.00/15.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/39.23/147.10 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"
	Gas Pipe (Φ, mm)	15.88 mm
	Gas Pipe (Φ, inch)	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0/35.0/32.0 dBA
	Sound Power	58.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	33 kg
	Shipping Weight (kg)	38.5 kg
	Net Dimensions (WxHxD) (mm)	1200 x 250 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	1429 x 320 x 779 mm
Additional Accessories	Drain Pump	MDP-G075SP
	Drain Pump Max. Lifting Height/Displacement	750 / 24
	Air Filter	Long life filter

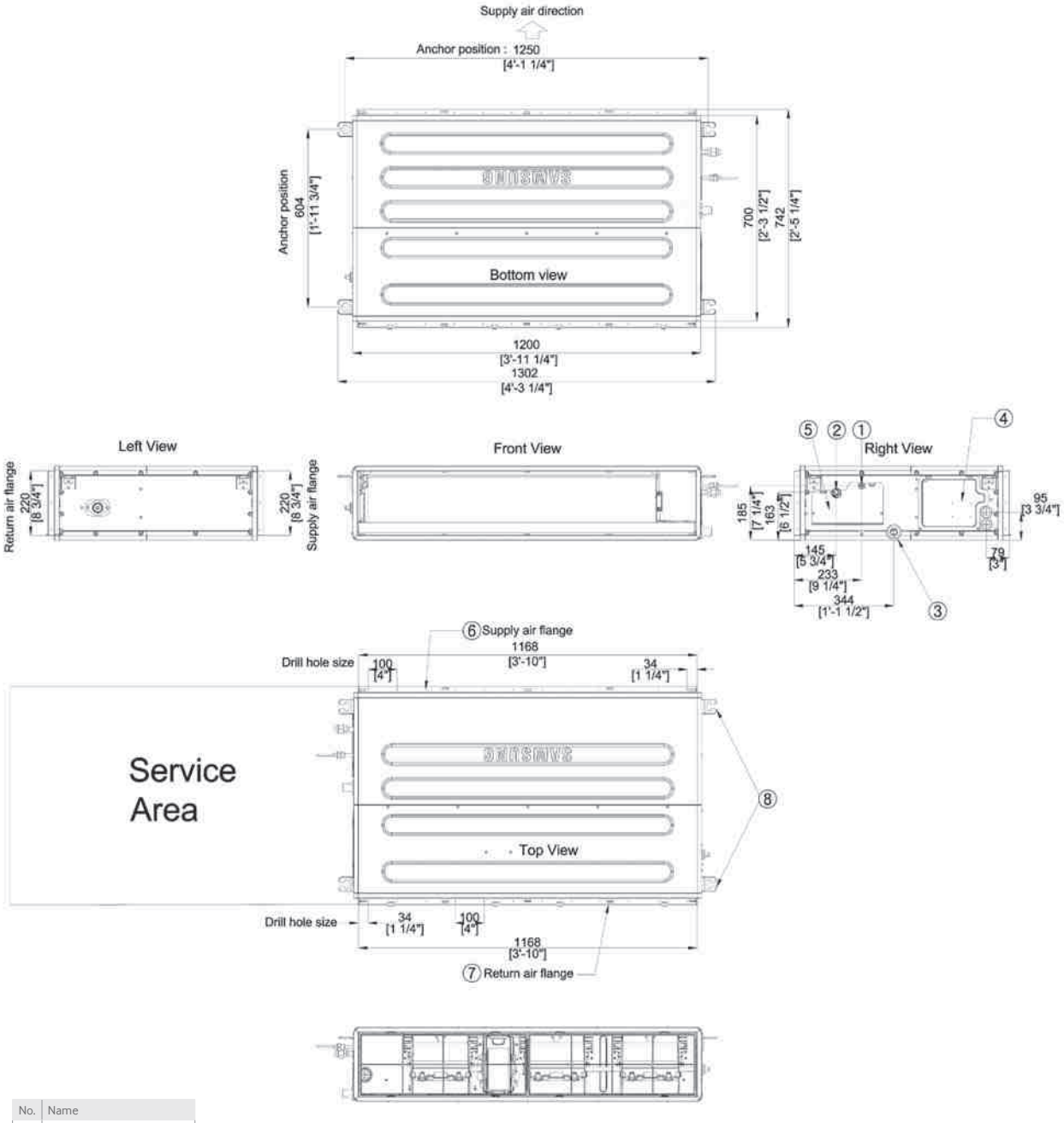
DVM Indoor Duct S

DIMENSIONAL DRAWINGS

AM090HNMPKH/EU



Units: mm



No.	Name
1	Refrigerant liquid pipe
2	Refrigerant gas pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Refrigerant pipe conduits
6	Supply air flange
7	Return air flange
8	Hook

DVM Indoor Duct S

SPECIFICATIONS

AM112/128/140HNMPKH/EU, AM112/128/140HNHPKH/EU



Model Code		AM112HNMPKH/EU	AM128HNMPKH/EU	AM140HNMPKH/EU	AM112HNHPKH/EU	AM128HNHPKH/EU	AM140HNHPKH/EU
Features	Type	Duct S	Duct S	Duct S	Duct S	Duct S	Duct S
Model Name	Indoor Unit	AM112HNMPKH	AM128HNMPKH/EU	AM140HNMPKH/EU	AM112HNHPKH/EU	AM128HNHPKH	AM140HNHPKH/EU
Power Supply (Indoor Unit) [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
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	11.20 kW	12.80 kW	14.00 kW	11.20 kW	12.80 kW	14.00 kW
	Cooling [Btu/h]	38,200 Btu/h	43,700 Btu/h	47,800 Btu/h	38,200 Btu/h	43,700 Btu/h	47,800 Btu/h
	Heating [kW]	12.50 kW	13.80 kW	16.00 kW	12.50 kW	13.80 kW	16.00 kW
	Heating [Btu/h]	42,700 Btu/h	47,100 Btu/h	54,600 Btu/h	42,700 Btu/h	47,100 Btu/h	54,600 Btu/h
Power Input (Nominal)	Cooling [W]	165.00 W	175.00 W	215.00 W	205.00 W	230.00 W	260.00 W
	Heating [W]	165.00 W	175.00 W	215.00 W	205.00 W	230.00 W	260.00 W
Current Input (Nominal)	Cooling	1.40 A	1.50 A	1.70 A	1.20 A	1.40 A	1.50 A
	Heating	1.40 A	1.50 A	1.70 A	1.20 A	1.40 A	1.50 A
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	244 x 1 W	244 x 1 W	244 x 1 W	350 x 1 W	350 x 1 W	350 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	35.00/29.00/22.00 CMM	38.00/32.00/25.00 CMM	42.00/34.00/25.00 CMM	35.00/29.00/22.00 CMM	38.00/32.00/25.00 CMM	42.00/34.00/25.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	583.33/483.33/366.67	633.33/533.33/416.67	700.00/566.67/416.67	583.33/483.33/366.67	633.33/533.33/416.67	700.00/566.67/416.67
	External Static Pressure (Min / Std / Max) [mmAq]	0.00/5.20/15.00 mmAq	0.00/5.20/15.00 mmAq	0.00/5.20/15.00 mmAq	3.00/6.20/20.00 mmAq	3.00/6.20/20.00 mmAq	3.00/6.20/20.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	0.00/50.99/147.10 Pa	0.00/50.99/147.10 Pa	0.00/50.99/147.10 Pa	29.42/60.80/196.13 Pa	29.42/60.80/196.13 Pa	29.42/60.80/196.13 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	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	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 (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0/35.0/32.0 dBA	39.0/36.0/32.0 dBA	40.0/37.0/32.0 dBA	38.0/35.0/32.0 dBA	39.0/36.0/32.0 dBA	40.0/37.0/32.0 dBA
	Sound Power	62.0 dBA	62.0 dBA	64.0 dBA	63.0 dBA	63.0 dBA	65.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	38.50 kg	38.50 kg	38.50 kg	46.50 kg	46.50 kg	46.50 kg
	Shipping Weight (kg)	44.50 kg	44.50 kg	44.50 kg	52.50 kg	52.50 kg	52.50 kg
	Net Dimensions (WxHxD) (mm)	1300 x 300 x 700 mm	1300 x 300 x 700 mm	1300 x 300 x 700 mm	1300 x 300 x 700 mm	1300 x 300 x 700 mm	1300 x 300 x 700 mm
	Shipping Dimensions (WxHxD) (mm)	1529 x 370 x 779 mm	1529 x 370 x 779 mm	1529 x 370 x 779 mm	1529 x 370 x 779 mm	1529 x 370 x 779 mm	1529 x 370 x 779 mm
Additional Accessories	Drain Pump	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP
	Drain Pump Max. Lifting Height/Displacement	750 / 24	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	Long life filter

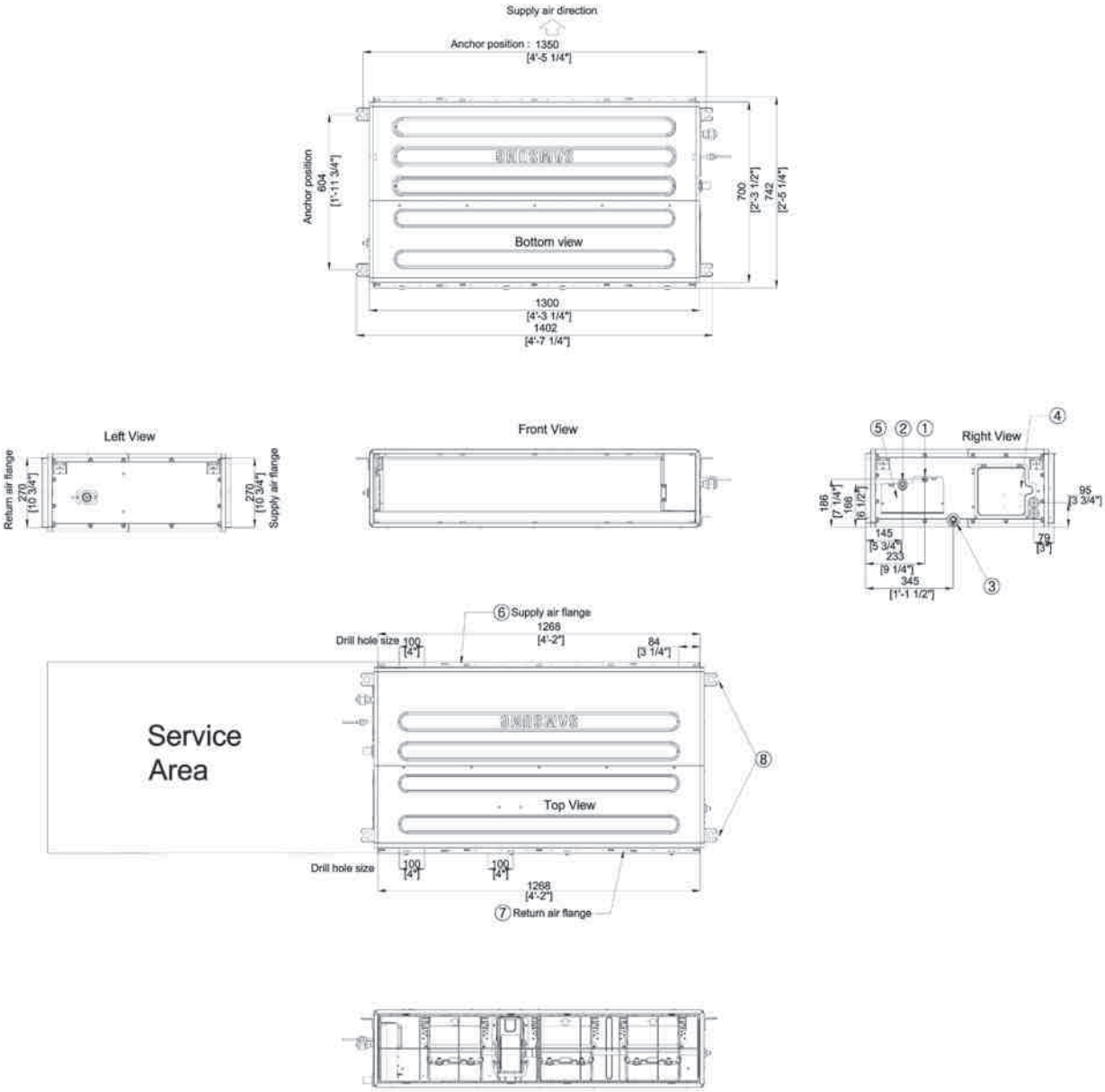
DVM Indoor Duct S

DIMENSIONAL DRAWINGS

AM112/128/140HNMPKH/EU, AM112/128/140HNHPKH/EU



Units: mm



No.	Name
1	Refrigerant liquid pipe
2	Refrigerant gas pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Refrigerant pipe conduits
6	Supply air flange
7	Return air flange
8	Hook

DVM Indoor Big Duct

SPECIFICATIONS

AM180/224JNHFKH/EU



Model Code		AM180JNHFKH/EU	AM224JNHFKH/EU
Features	Type	Big Duct	Big Duct
Model Name	Indoor Unit	AM180JNHFKH/EU	AM224JNHFKH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	18.0 kW	22.4 kW
	Cooling [Btu/h]	61400 Btu/h	76400 Btu/h
	Heating [kW]	20.0 kW	25.0 kW
	Heating [Btu/h]	68240 Btu/h	85300 Btu/h
Power Input (Nominal)	Cooling [W]	340 W	530 W
	Heating [W]	340 W	530 W
Current Input (Nominal)	Cooling	1.9 A	2.9 A
	Heating	1.9 A	2.9 A
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	630 x 1 W	630 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	58.00/50.00/43.00 CMM	72.00/61.00/50.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	966.86/833.5/716.81	1200.24/1016.87/833.5
	External Static Pressure (Min / Std / Max) [mmAq]	5.0/7.34/20 mmAq	5.0/7.34/20 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	50/72/200 Pa	50/72/200 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"
	Gas Pipe (Φ, mm)	19.05 mm	19.05 mm
	Gas Pipe (Φ, inch)	3/4"	3/4"
	Drain Pipe (Φ,mm)	VP25 (OD25,ID 20) mm	VP25 (OD25,ID 20) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	43 / 39 / 35 dBA	44 / 40 / 36 dBA
	Sound Power	80 dBA	81 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	82.5 kg	82.5 kg
	Shipping Weight (kg)	92 kg	92 kg
	Net Dimensions (WxHxD) (mm)	1350x 910 x 450 mm	1350x 910 x 450 mm
	Shipping Dimensions (WxHxD) (mm)	1612 x 984 x 519 mm	1612 x 984 x 519 mm
Additional Accessory	Drain Pump	MDP-G075SP, MDP-G075SQ	MDP-G075SP, MDP-G075SQ

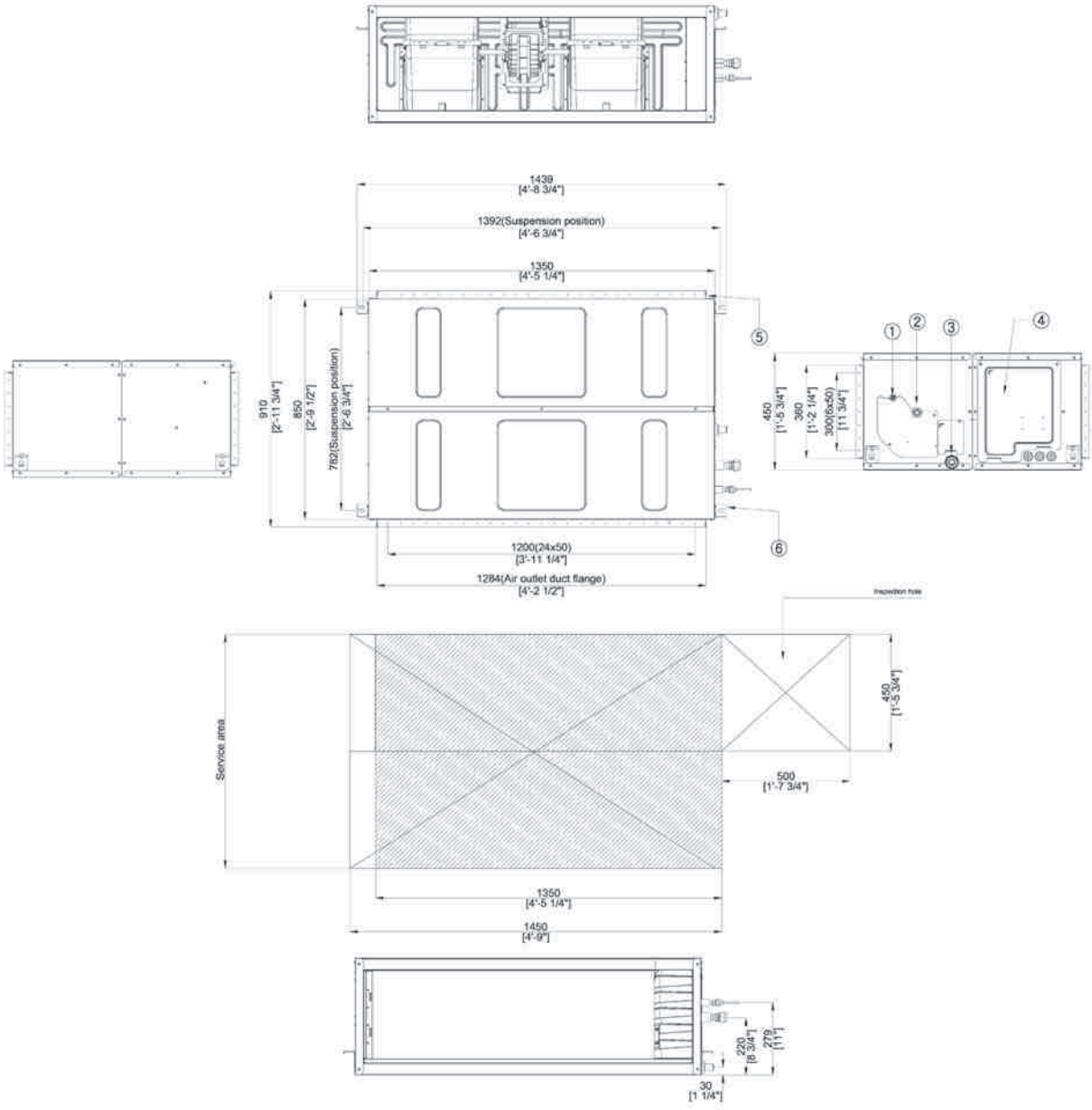
DVM Indoor Big Duct

DIMENSIONAL DRAWINGS

AM180/224JNHFKH/EU



Units: mm



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

DVM Indoor HSP Duct

SPECIFICATIONS
AM220/280FNHDEH/EU



Model Code		AM220FNHDEH/EU	AM280FNHDEH/EU
Features	Type	HSP Duct	HSP Duct
Model Name	Indoor Unit	AM220FNHDEH/EU	AM280FNHDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	22.40 kW	28.00 kW
	Cooling [Btu/h]	76,400 Btu/h	95,500 Btu/h
	Heating [kW]	25.00 kW	31.50 kW
	Heating [Btu/h]	85,300 Btu/h	107,500 Btu/h
Power Input (Nominal)	Cooling [W]	530.00 W	790.00 W
	Heating [W]	530.00 W	790.00 W
Current Input (Nominal)	Cooling	3.80 A	5.90 A
	Heating	3.80 A	5.90 A
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	400 x 1 W	400 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	58.00/52.00/47.00 CMM	72.00/65.00/58.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	966.67/866.67/783.33	1,200.00/1,083.33/966.67
	External Static Pressure (Min / Std / Max) [mmAq]	5.00/15.00/25.00 mmAq	5.00/15.00/28.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	49.03/147.10/245.17 Pa	49.03/147.10/274.59 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"
	Gas Pipe (Φ, mm)	19.05 mm	22.22 mm
	Gas Pipe (Φ, inch)	3/4"	7/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	45.0/43.0/41.0 dBA	48.0/46.0/43.0 dBA
	Sound Power	76.0 dBA	79.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	89.00 kg	89.00 kg
	Shipping Weight (kg)	99.00 kg	99.00 kg
	Net Dimensions (WxHxD) (mm)	1240 x 470 x 1040 mm	1240 x 470 x 1040 mm
	Shipping Dimensions (WxHxD) (mm)	1507 x 558 x 1155 mm	1507 x 558 x 1155 mm
Additional Accessory	Drain Pump	MDP-N047SNC1D	MDP-N047SNC1D

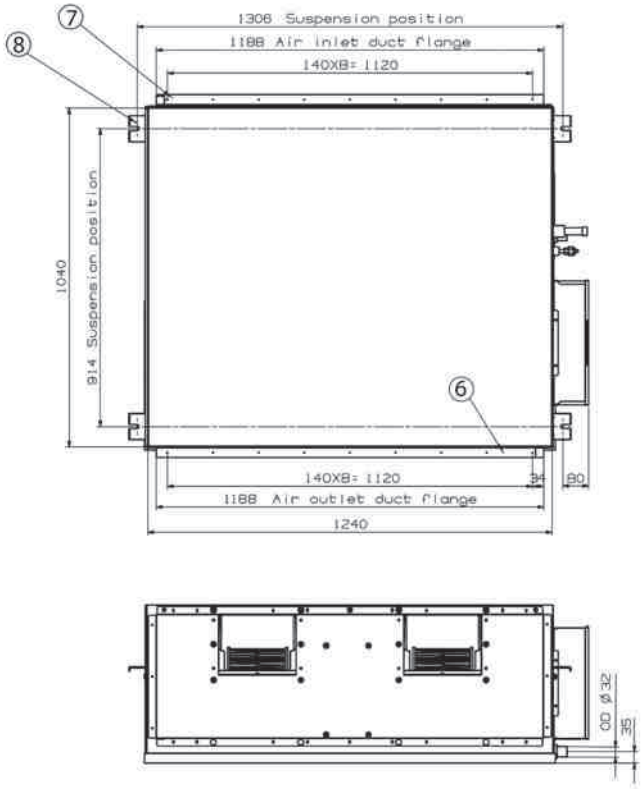
DVM Indoor HSP Duct

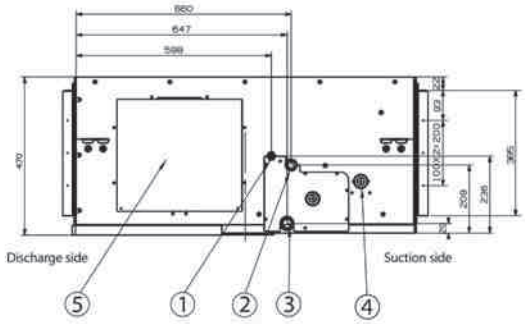
DIMENSIONAL DRAWINGS

AM220/280FNHDEH/EU



Units: mm





No.	Name	Description	
		2.2kW	2.8kW
1	Liquid pipe connection	Ø9.52 (3/8")	
2	Gas pipe connection	Ø19.05 (3/4")	Ø22.22 (7/8")
3	Drain pipe connection without optional drain pump kits	VP25 (OD32, ID25)	
4	Drain pipe connection with optional drain pump kits	VP25 (OD32, ID25)	
5	Power supply/communication connection	-	
6	Air discharge grille flange	-	
7	Suction flange	-	
8	Hook	3/8" or M10	

DVM Indoor OAP Duct

SPECIFICATIONS
AM140JNEPEH/EU



Model Code		AM140JNEPEH/EU
Features	Type	OAP Duct
Model Name	Indoor Unit	AM140JNEPEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
System	Mode	HP/HR
Capacity	Cooling [kW]	14.00 kW
	Cooling [Btu/h]	47,800 Btu/h
	Heating [kW]	8.90 kW
	Heating [Btu/h]	30,400 Btu/h
Power Input (Nominal)	Cooling [W]	220.00 W
	Heating [W]	220.00 W
Current Input (Nominal)	Cooling	1.60 A
	Heating	1.60 A
Fan	Type	Sirocco Fan
	Motor (Output) [W]	183 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	18.00/-/- CMM
	Air Flow Rate (High / Mid / Low) [L/S]	300.00/-/-
	External Static Pressure (Min / Std / Max) [mmAq]	5.00/20.39/25.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	49.03/199.96/245.17 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"
	Gas Pipe (Φ, mm)	15.88 mm
	Gas Pipe (Φ, inch)	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	42.0/-/- dBA
	Sound Power	65.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	51.00 kg
	Shipping Weight (kg)	61.00 kg
	Net Dimensions (WxHxD) (mm)	1110 x 390 x 650 mm
	Shipping Dimensions (WxHxD) (mm)	1335 x 512 x 829 mm
Additional Accessory	Drain Pump	MDP-N047SNC0D

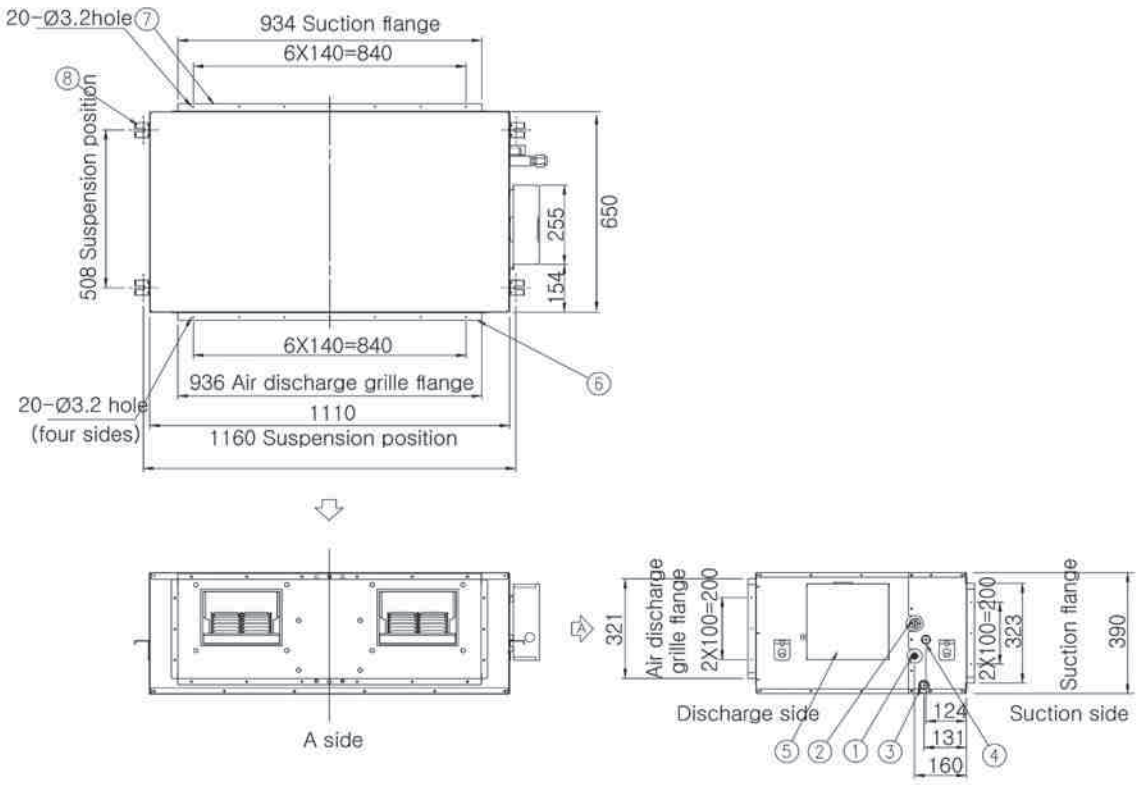
DVM Indoor OAP Duct

DIMENSIONAL DRAWINGS

AM140JNEPEH/EU



Units: mm



No.	Name	Description
1	Diameter of liquid pipe	Ø9.52
2	Diameter of air pipe	Ø15.88
3	Diameter of drain pipe	VP25 (OD Ø32, ID Ø25)
4	Diameter of drain pipe (optional drain pump)	VP25 (OD Ø32, ID Ø25)
5	Power supply/communication connection	-
6	Air discharge grille flange	-
7	Suction flange	-
8	Hook	Ø9.52 or M10

DVM Indoor OAP Duct

SPECIFICATIONS
AM220/280JNEPEH/EU



Model Code		AM220JNEPEH/EU	AM280JNEPEH/EU
Features	Type	OAP Duct	OAP Duct
Model Name	Indoor Unit	AM220JNEPEH/EU	AM280JNEPEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	22.40 kW	28.00 kW
	Cooling [Btu/h]	76,400 Btu/h	95,500 Btu/h
	Heating [kW]	13.90 kW	17.40 kW
	Heating [Btu/h]	47,400 Btu/h	59,400 Btu/h
Power Input (Nominal)	Cooling [W]	300.00 W	370.00 W
	Heating [W]	300.00 W	370.00 W
Current Input (Nominal)	Cooling	2.20 A	3.00 A
	Heating	2.20 A	3.00 A
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	400 x 1 W	400 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	28.00/-/- CMM	35.00/-/- CMM
	Air Flow Rate (High / Mid / Low) [L/S]	466.67/-/-	583.33/-/-
	External Static Pressure (Min / Std / Max) [mmAq]	10.00/23.45/25.00 mmAq	10.00/25.49/27.50 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	98.07/229.97/245.17 Pa	98.07/249.97/269.68 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"
	Gas Pipe (Φ, mm)	19.05 mm	22.22 mm
	Gas Pipe (Φ, inch)	3/4"	7/8"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	46.0/-/- dBA	47.0/-/- dBA
	Sound Power	66.0 dBA	69.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	85.00 kg	85.00 kg
	Shipping Weight (kg)	95.00 kg	95.00 kg
	Net Dimensions (WxHxD) (mm)	1240 x 470 x 1040 mm	1240 x 470 x 1040 mm
	Shipping Dimensions (WxHxD) (mm)	1507 x 558 x 1155 mm	1507 x 558 x 1155 mm
Additional Accessory	Drain Pump	MDP-N047SNC1D	MDP-N047SNC1D

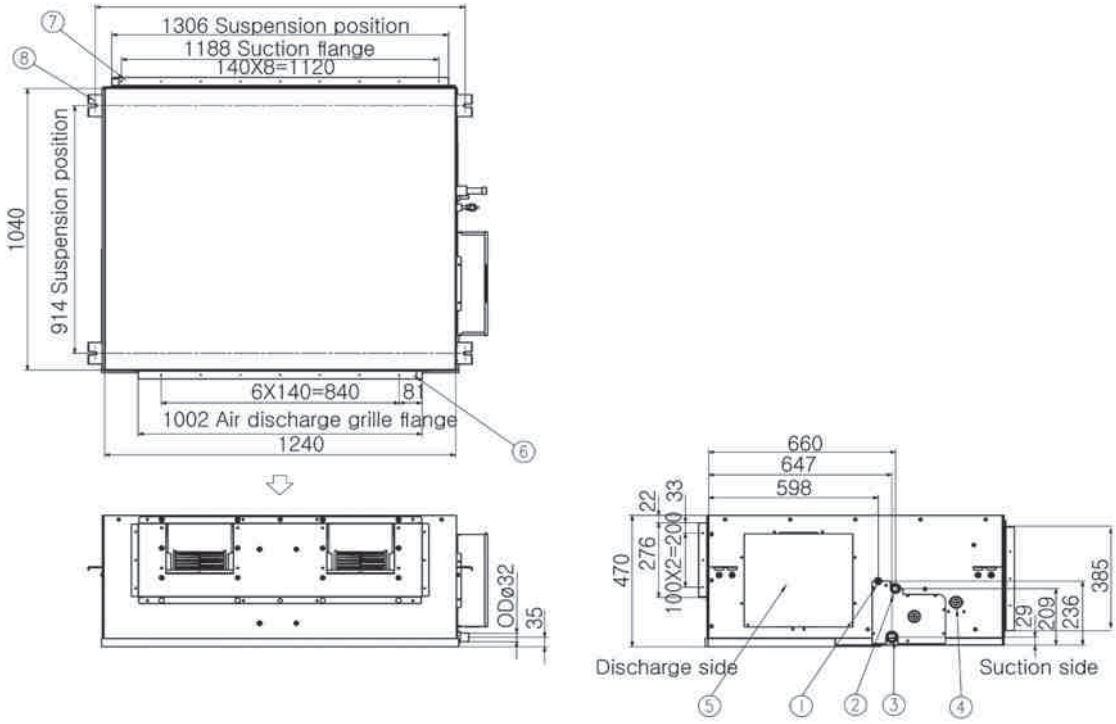
DVM Indoor OAP Duct

DIMENSIONAL DRAWINGS

AM220/280JNEPEH/EU



Units: mm



No.	Name	Description	
		2.2kW	2.8kW
1	Diameter of liquid pipe	Ø9.52	
2	Diameter of air pipe	Ø19.05	Ø22.22
3	Diameter of drain pipe	VP25 (OD Ø32, ID Ø25)	
4	Diameter of drain pipe (optional drain pump)	VP25 (OD Ø32, ID Ø25)	
5	Power supply/communication connection	-	
6	Air discharge grille flange	-	
7	Suction flange	-	
8	Hook	Ø9.52 or M10	

DVM Indoor Concealed

SPECIFICATIONS

AM056/071FNFDEH/EU



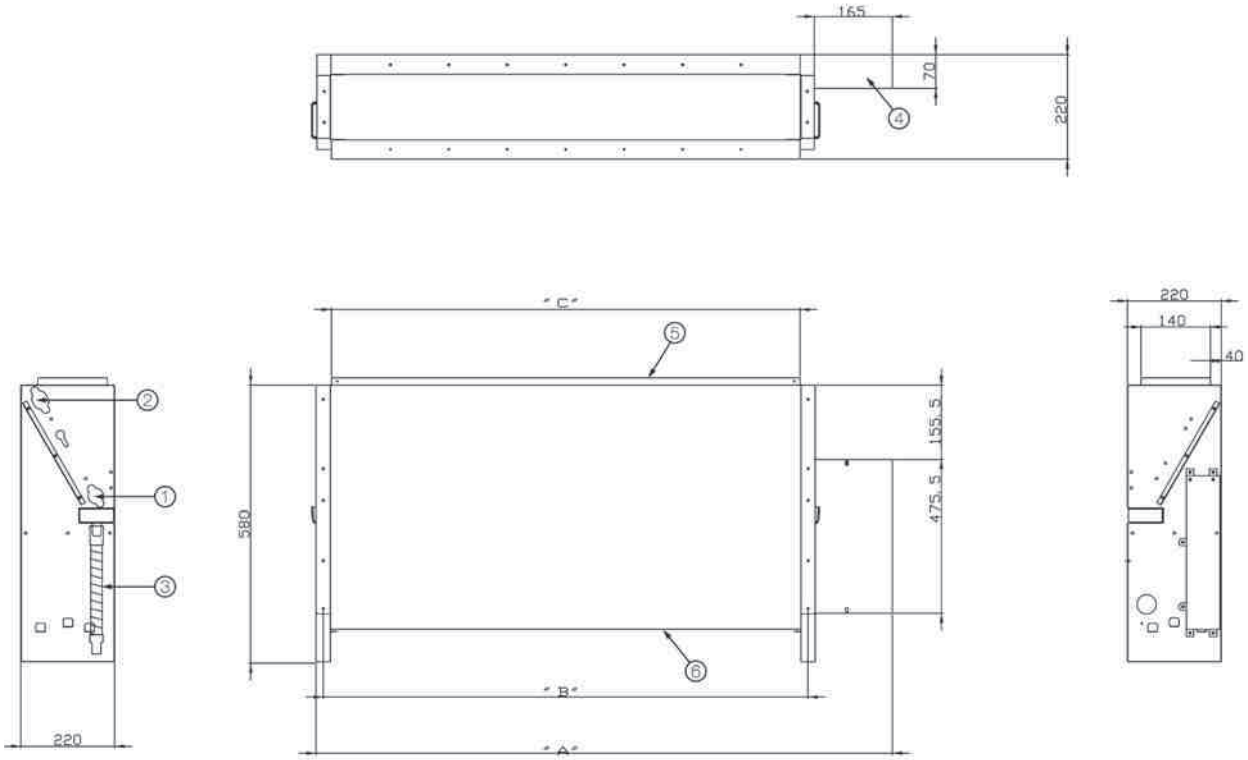
Model Code		AM056FNFDEH/EU	AM071FNFDEH/EU
Features	Type	Floor Standing	Floor Standing
Model Name	Indoor Unit	AM056FNFDEH/EU	AM071FNFDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	5.60 kW	7.10 kW
	Cooling [Btu/h]	19,100 Btu/h	24,200 Btu/h
	Heating [kW]	6.30 kW	8.00 kW
	Heating [Btu/h]	21,500 Btu/h	27,300 Btu/h
Power Input (Nominal)	Cooling [W]	110.00 W	110.00 W
	Heating [W]	110.00 W	110.00 W
Current Input (Nominal)	Cooling	0.53 A	0.53 A
	Heating	0.53 A	0.53 A
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	- W	- W
	Air Flow Rate (High / Mid / Low) [CMM]	15.50/14.00/11.00 CMM	15.50/14.00/11.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	258.33/233.33/183.33	258.33/233.33/183.33
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"
	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/36.0/32.0 dBA	40.0/36.0/32.0 dBA
	Sound Power	59.0 dBA	59.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	28.50 kg	28.50 kg
	Shipping Weight (kg)	33.30 kg	33.30 kg
	Net Dimensions (WxHxD) (mm)	1225 x 600 x 220 mm	1225 x 600 x 220 mm
	Shipping Dimensions (WxHxD) (mm)	1335 x 690 x 310 mm	1335 x 690 x 310 mm

DVM Indoor Concealed

DIMENSIONAL DRAWINGS
AM056/071FNFDEH/EU



Units: mm



Model	A	B	C
AM056/071FNFDEH***	1,225	1,010	980

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	Power wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	-	

DVM Indoor Console

SPECIFICATIONS

AM028/036FNJDEH/EU



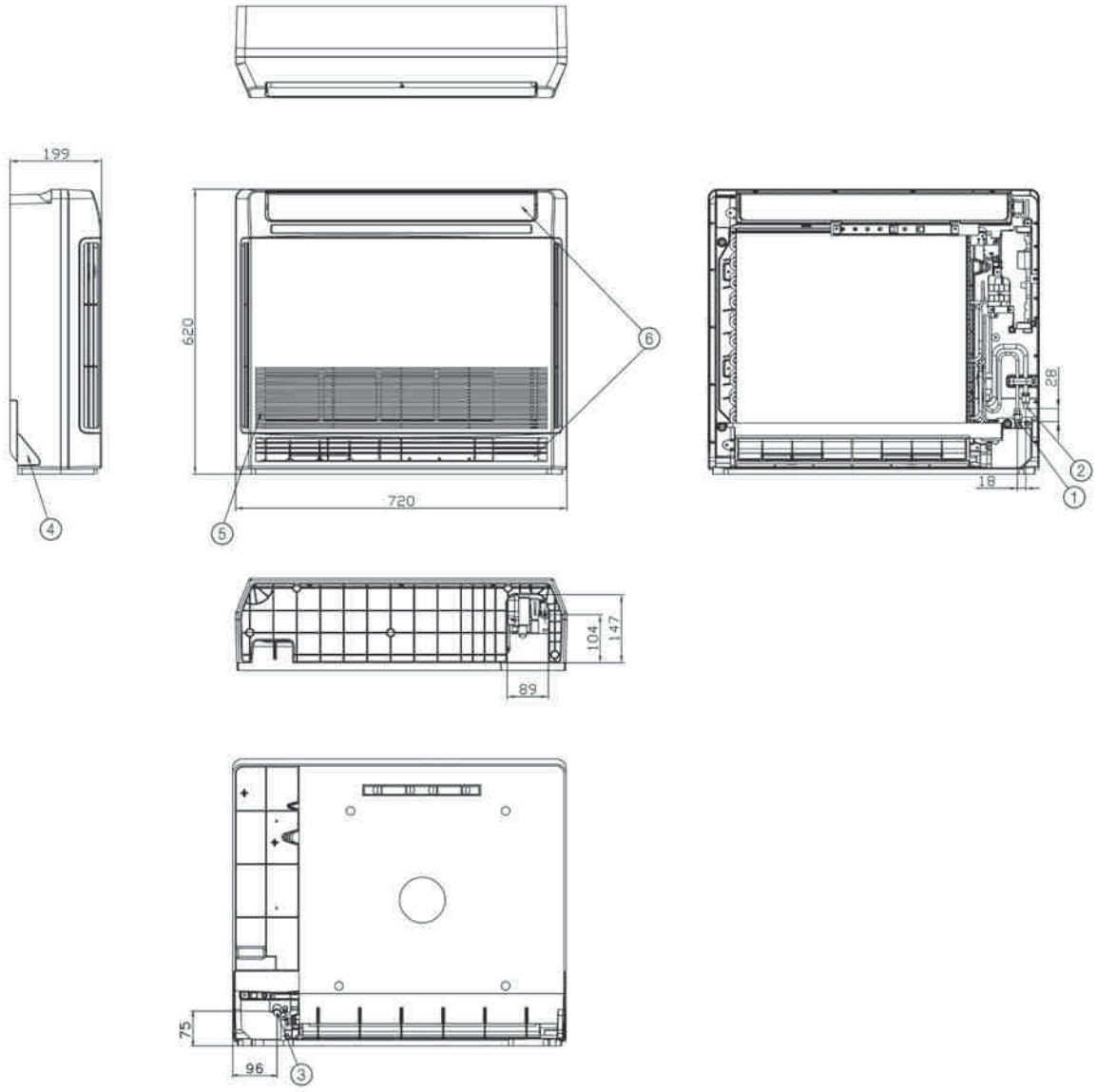
Model Code		AM028FNJDEH/EU	AM036FNJDEH/EU
Features	Type	Console	Console
Model Name	Indoor Unit	AM028FNJDEH/EU	AM036FNJDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	2.80 kW	3.60 kW
	Cooling [Btu/h]	9,600 Btu/h	12,300 Btu/h
	Heating [kW]	3.20 kW	4.00 kW
	Heating [Btu/h]	10,900 Btu/h	13,600 Btu/h
Power Input (Nominal)	Cooling [W]	30.00 W	35.00 W
	Heating [W]	30.00 W	35.00 W
Current Input (Nominal)	Cooling	0.25 A	0.29 A
	Heating	0.25 A	0.29 A
Fan	Type	Turbo Fan	Turbo Fan
	Motor (Output) [W]	37 x 1 W	37 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	7.00/6.00/5.00 CMM	8.50/7.50/6.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	116.67/100.00/83.33	141.67/125.00/108.33
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"
	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0/36.0/34.0 dBA	39.0/37.0/34.0 dBA
	Sound Power	58.0 dBA	59.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	16.00 kg	16.00 kg
	Shipping Weight (kg)	21.00 kg	21.00 kg
	Net Dimensions (WxHxD) (mm)	720 x 620 x 199 mm	720 x 620 x 199 mm
	Shipping Dimensions (WxHxD) (mm)	810 x 710 x 295 mm	810 x 710 x 295 mm

DVM Indoor Console

DIMENSIONAL DRAWINGS
AM028/036FNJDEH/EU



Units: mm



No.	Name	Description	
		2.8kW	3.6kW
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 and communication wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	-	

DVM Indoor Console

SPECIFICATIONS

AM056FNJDEH/EU



Model Code		AM056FNJDEH/EU
Features	Type	Console
Model Name	Indoor Unit	AM056FNJDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
System	Mode	HP/HR
Capacity	Cooling [kW]	5.60 kW
	Cooling [Btu/h]	19,100 Btu/h
	Heating [kW]	6.30 kW
	Heating [Btu/h]	21,500 Btu/h
Power Input (Nominal)	Cooling [W]	62.00 W
	Heating [W]	62.00 W
Current Input (Nominal)	Cooling	0.49 A
	Heating	0.49 A
Fan	Type	Turbo Fan
	Motor (Output) [W]	37 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	13.00/11.50/10.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	216.67/191.67/166.67
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"
	Gas Pipe (Φ, mm)	12.70 mm
	Gas Pipe (Φ, inch)	1/2"
	Drain Pipe (Φ,mm)	ID 18 HOSE mm
Field Wiring	Power Source Wire	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	43.0/40.0/37.0 dBA
	Sound Power	64.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	16.00 kg
	Shipping Weight (kg)	21.00 kg
	Net Dimensions (WxHxD) (mm)	720 x 620 x 199 mm
	Shipping Dimensions (WxHxD) (mm)	810 x 710 x 295 mm

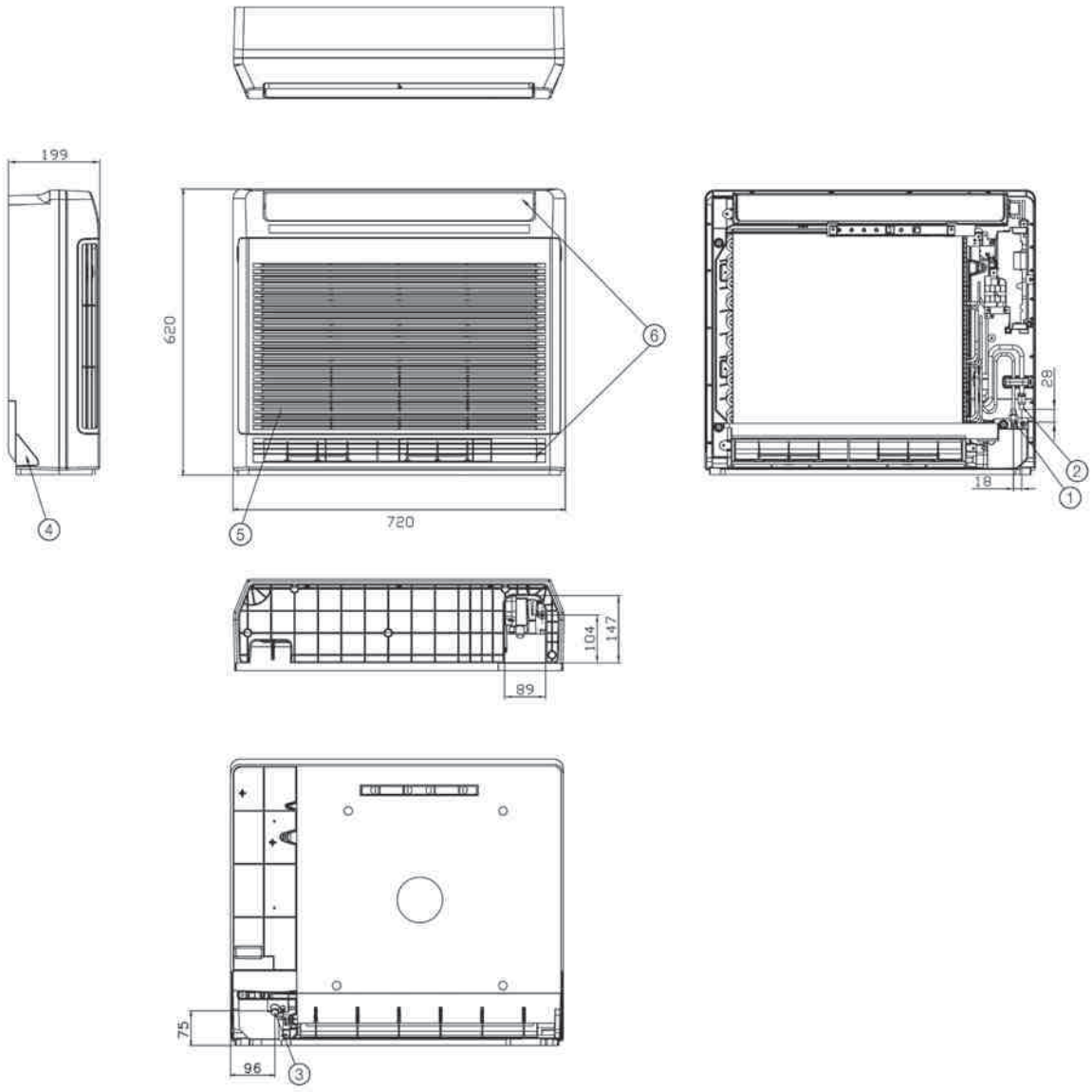
DVM Indoor Console

DIMENSIONAL DRAWINGS

AM056FNJDEH/EU



Units: mm



No.	Name	Description
		5.6kW
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 and communication wiring	-
5	Air inlet grille	-
6	Air outlet louver	-

DVM Indoor Ceiling

SPECIFICATIONS

AM056/071FNCDEH/EU



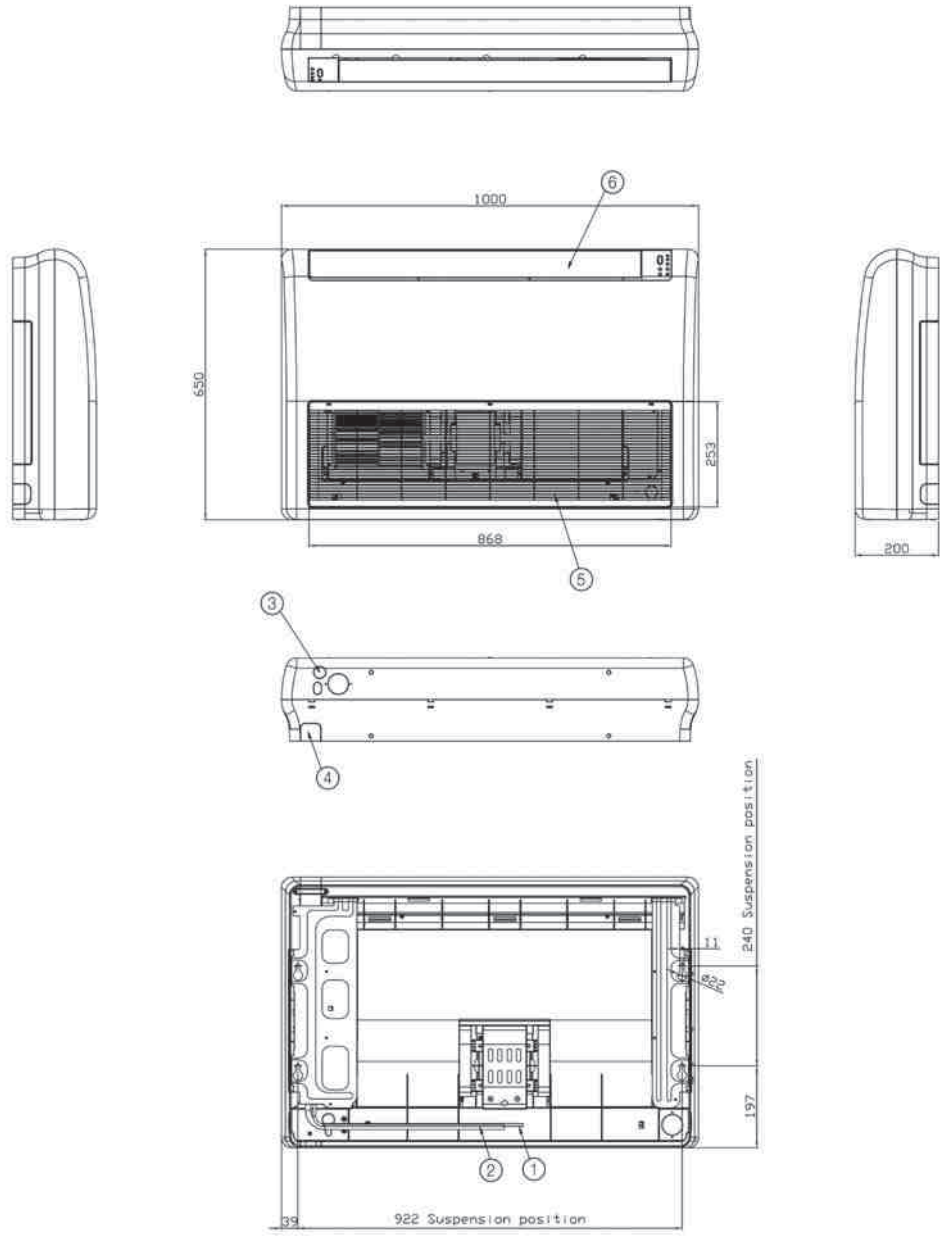
Model Code		AM056FNCDEH/EU	AM071FNCDEH/EU
Features	Type	Ceiling	Ceiling
Model Name	Indoor Unit	AM056FNCDEH/EU	AM071FNCDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	5.60 kW	7.10 kW
	Cooling [Btu/h]	19,100 Btu/h	24,200 Btu/h
	Heating [kW]	6.30 kW	8.00 kW
	Heating [Btu/h]	21,500 Btu/h	27,300 Btu/h
Power Input (Nominal)	Cooling [W]	72.00 W	80.00 W
	Heating [W]	72.00 W	77.00 W
Current Input (Nominal)	Cooling	0.33 A	0.35 A
	Heating	0.28 A	0.29 A
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor (Output) [W]	60 x 1 W	120 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	14.00/13.00/12.00 CMM	18.00/16.50/15.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	233.33/216.67/200.00	300.00/275.00/250.00
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"
	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/37.0/34.0 dBA	44.0/42.0/40.0 dBA
	Sound Power	60.0 dBA	63.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	21.00 kg	21.00 kg
	Shipping Weight (kg)	25.50 kg	25.50 kg
	Net Dimensions (WxHxD) (mm)	1000 x 650 x 200 mm	1000 x 650 x 200 mm
	Shipping Dimensions (WxHxD) (mm)	1080 x 730 x 300 mm	1080 x 730 x 300 mm

DVM Indoor Ceiling

DIMENSIONAL DRAWINGS
AM056/071FNCDEH/EU



Units: mm



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 and communication wiring	-	
5	Air inlet grille	-	
6	Air outlet louver	-	

DVM Indoor Ceiling

SPECIFICATIONS

AM112JNCDKH/EU



Model Code		AM112JNCDKH/EU
Features	Type	Big Ceiling
Model Name	Indoor Unit	AM112JNCDKH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60
System	Mode	HP/HR
Capacity	Cooling [kW]	11.2 kW
	Cooling [Btu/h]	38,200 Btu/h
	Heating [kW]	12.5 kW
	Heating [Btu/h]	42,700 Btu/h
Power Input (Nominal)	Cooling [W]	92 W
	Heating [W]	80 W
Current Input (Nominal)	Cooling	0.94 A
	Heating	0.83 A
Fan	Type	Sirocco Fan
	Motor (Output) [W]	260 W
	Air Flow Rate (High / Mid / Low) [CMM]	29.30/23.90/18.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	488.33/398.33/308.33
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"
	Gas Pipe (Φ, mm)	15.88 mm
	Gas Pipe (Φ, inch)	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD25,ID 20) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	45/41/37 dBA
	Sound Power	61 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	33.5 kg
	Shipping Weight (kg)	39.5 kg
	Net Dimensions (WxHxD) (mm)	1350*235*675 mm
	Shipping Dimensions (WxHxD) (mm)	1439*758*321 mm

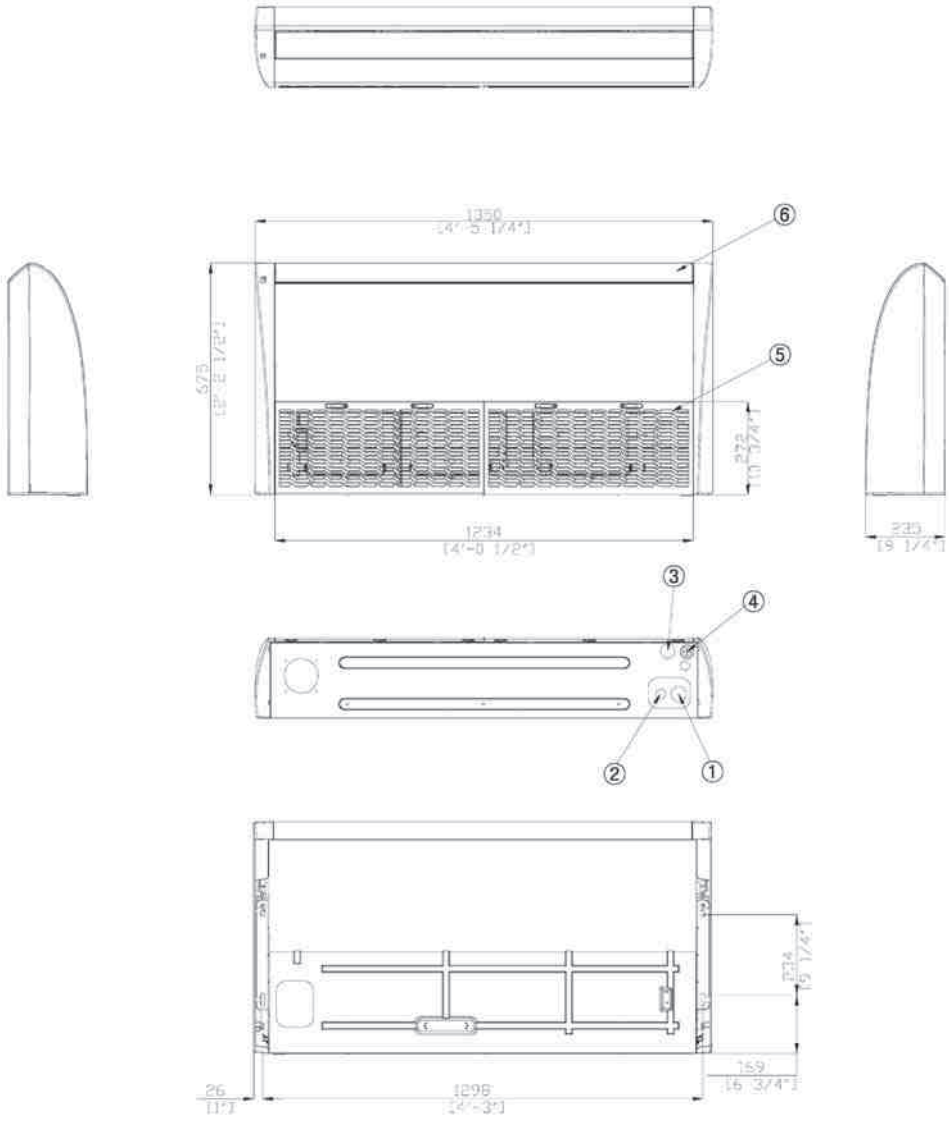
DVM Indoor Ceiling

DIMENSIONAL DRAWINGS

AM112JNCDKH/EU



Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Air inlet grille
6	Air outlet grille

DVM Indoor Ceiling

SPECIFICATIONS

AM140JNCDKH/EU



Model Code		AM140JNCDKH/EU
Features	Type	Big Ceiling
Model Name	Indoor Unit	AM140JNCDKH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60
System	Mode	HP/HR
Capacity	Cooling [kW]	14 kW
	Cooling [Btu/h]	47,800 Btu/h
	Heating [kW]	16 kW
	Heating [Btu/h]	54,600 Btu/h
Power Input (Nominal)	Cooling [W]	160 W
	Heating [W]	160 W
Current Input (Nominal)	Cooling	1.45 A
	Heating	1.45 A
Fan	Type	Sirocco Fan
	Motor (Output) [W]	355 W
	Air Flow Rate (High / Mid / Low) [CMM]	36.40/30.80/26.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	606.66/513.33/433.33
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"
	Gas Pipe (Φ, mm)	15.88 mm
	Gas Pipe (Φ, inch)	5/8"
	Drain Pipe (Φ,mm)	VP25 (OD25,ID 20) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	46/43/38 dBA
	Sound Power	63 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	42.5 kg
	Shipping Weight (kg)	48.5 kg
	Net Dimensions (WxHxD) (mm)	1650*235*675 mm
	Shipping Dimensions (WxHxD) (mm)	1739*758*321 mm

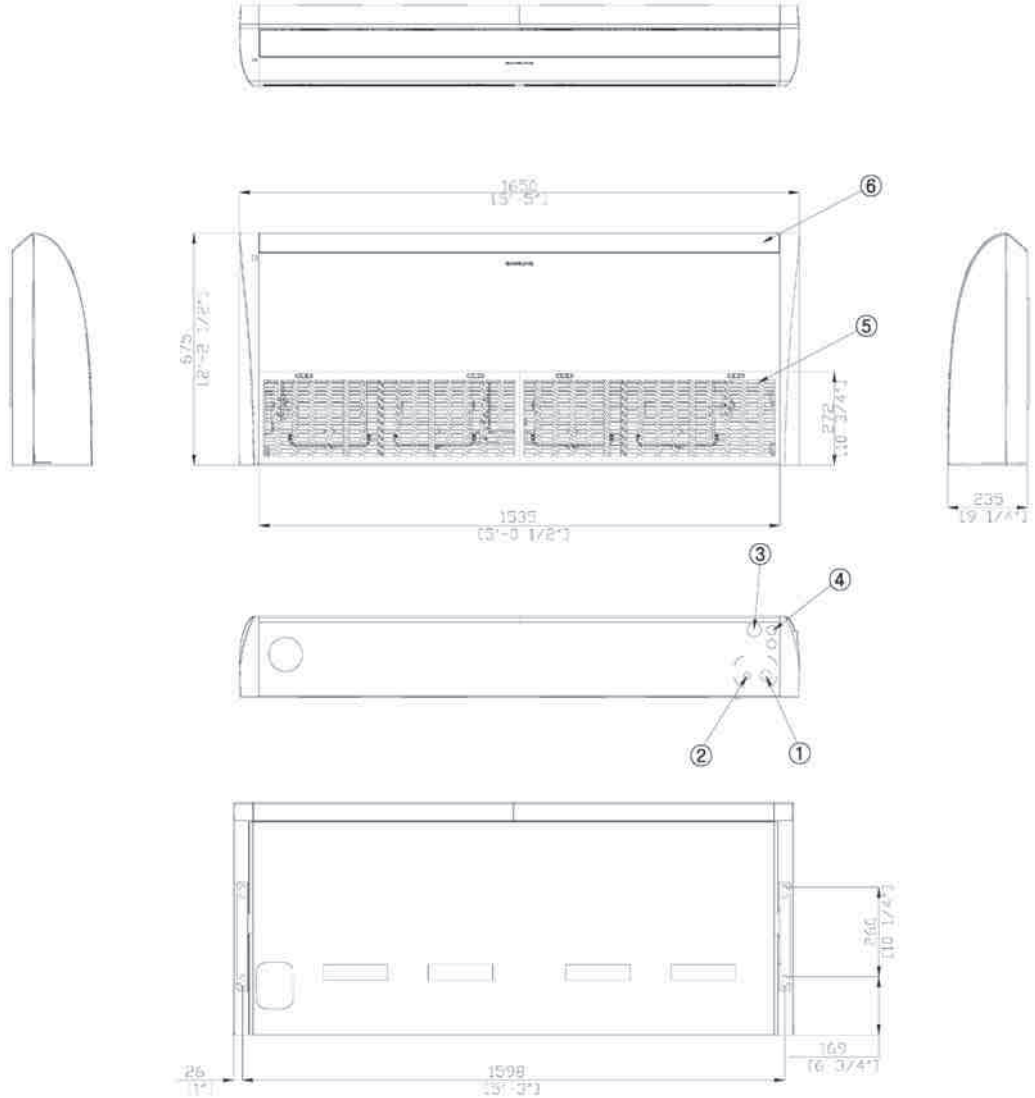
DVM Indoor Ceiling

DIMENSIONAL DRAWINGS

AM140JNCDKH/EU



Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Air inlet grille
6	Air outlet grille

DVM Indoor High Wall – Neo Forte

SPECIFICATIONS

AM015HNNDEH/EU, AM022/028/036FNNDEH/EU



Model Code		AM015HNNDEH/EU	AM022FNNDEH/EU	AM028FNNDEH/EU	AM036FNNDEH/EU
Features	Type	Neo Forte	Neo Forte	Neo Forte	Neo Forte
Model Name	Indoor Unit	AM015HNTDEH/EU	AM022FNTDEH/EU	AM028FNTDEH/EU	AM036FNTDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	1.50 kW	2.20 kW	2.80 kW	3.60 kW
	Cooling [Btu/h]	5,100 Btu/h	7,500 Btu/h	9,600 Btu/h	12,300 Btu/h
	Heating [kW]	1.70 kW	2.50 kW	3.20 kW	4.00 kW
	Heating [Btu/h]	5,800 Btu/h	8,500 Btu/h	10,900 Btu/h	13,600 Btu/h
Power Input (Nominal)	Cooling [W]	25.00 W	25.00 W	25.00 W	30.00 W
	Heating [W]	25.00 W	25.00 W	25.00 W	30.00 W
Current Input (Nominal)	Cooling	0.16 A	0.16 A	0.16 A	0.18 A
	Heating	0.16 A	0.16 A	0.16 A	0.18 A
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	23 x 1 W	23 x 1 W	23 x 1 W	23 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	5.40/5.10/4.80 CMM	7.80/6.80/5.80 CMM	7.80/6.80/5.80 CMM	9.30/8.30/7.30 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	90.00/85.00/80.00	130.00/113.33/96.67	130.00/113.33/96.67	155.00/138.33/121.67
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	1/2"	1/2"
	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	26.0/25.0/24.0 dBA	30.0/28.0/26.0 dBA	30.0/28.0/26.0 dBA	36.0/32.0/28.0 dBA
	Sound Power	43.0 dBA	48.0 dBA	48.0 dBA	53.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	8.00 kg	8.5 kg	8.00 kg	8.00 kg
	Shipping Weight (kg)	11.00 kg	11.00 kg	11.00 kg	11.00 kg
	Net Dimensions (WxHxD) (mm)	825 x 285 x 189 mm	825 x 285 x 189 mm	825 x 285 x 189 mm	825 x 285 x 189 mm
	Shipping Dimensions (WxHxD) (mm)	904 x 353 x 263 mm	910 x 358 x 258 mm	910 x 358 x 258 mm	910 x 358 x 258 mm

*This model is available without the Electronic Expansion Valve (EEV). Please contact your Samsung representative for details.

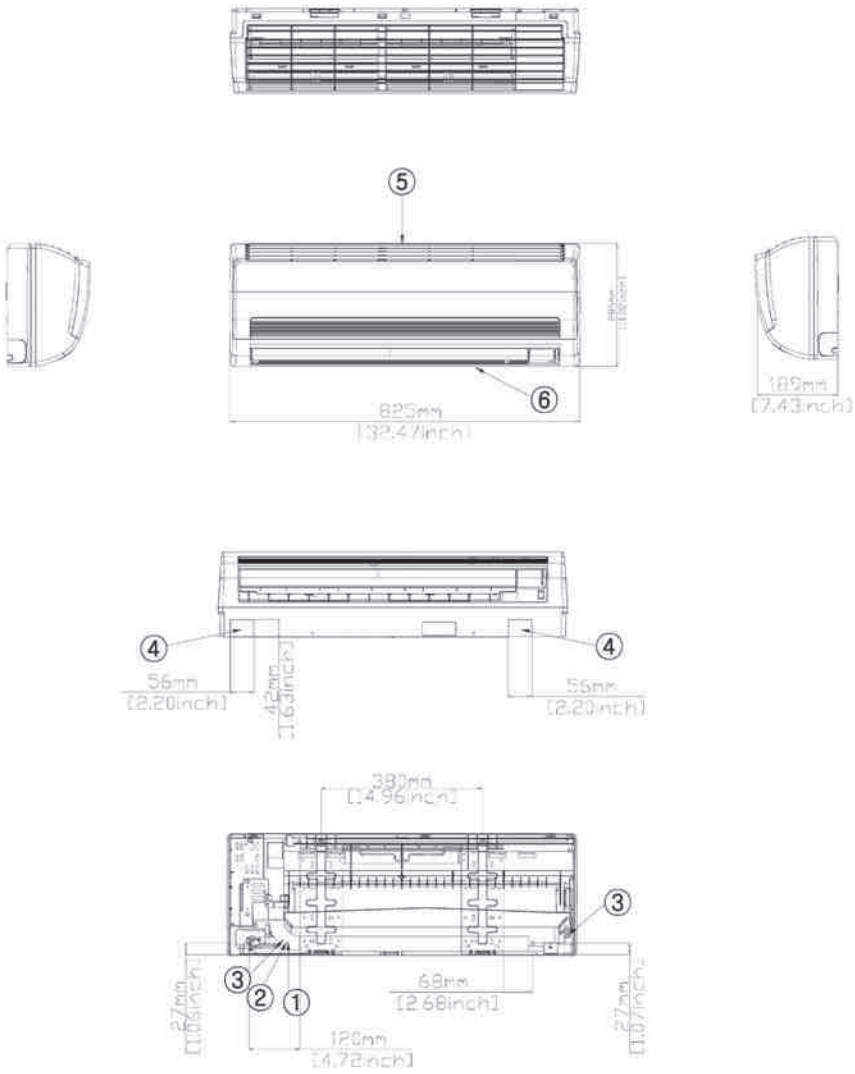
DVM Indoor High Wall – Neo Forte

DIMENSIONAL DRAWINGS

AM015HNNDEH/EU, AM022/028/036FNNDEH/EU



Units: mm



No.	Name
1	Liquid ref. pipe
2	Gas ref. pipe
3	Drain pipe connection
4	Conduit for power supply and communication wiring
5	Air inlet grille
6	Air outlet louver

DVM Indoor High Wall – Neo Forte

SPECIFICATIONS

AM056/071FNNDEH/EU



Model Code		AM056FNNDEH/EU	AM071FNNDEH/EU
Features	Type	Neo Forte	Neo Forte
Model Name	Indoor Unit	AM056FNTDEH/EU	AM071FNTDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	5.60 kW	6.80 kW
	Cooling [Btu/h]	19,100 Btu/h	23,200 Btu/h
	Heating [kW]	6.30 kW	7.00 kW
	Heating [Btu/h]	21,500 Btu/h	23,900 Btu/h
Power Input (Nominal)	Cooling [W]	45.00 W	50.00 W
	Heating [W]	45.00 W	50.00 W
Current Input (Nominal)	Cooling	0.27 A	0.30 A
	Heating	0.27 A	0.30 A
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	40 x 1 W	40 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	12.00/10.50/9.00 CMM	14.00/12.50/11.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	200.00/175.00/150.00	233.33/208.33/183.33
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"
	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	42.0/40.0/35.0 dBA	44.0/41.0/35.0 dBA
	Sound Power	57.0 dBA	59.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	13.00 kg	13.00 kg
	Shipping Weight (kg)	16.00 kg	16.00 kg
	Net Dimensions (WxHxD) (mm)	1065 x 298 x 218 mm	1065 x 298 x 222 mm
	Shipping Dimensions (WxHxD) (mm)	1137 x 377 x 299 mm	1137 x 377 x 299 mm

*This model is available without the Electronic Expansion Valve (EEV). Please contact your Samsung representative for details.

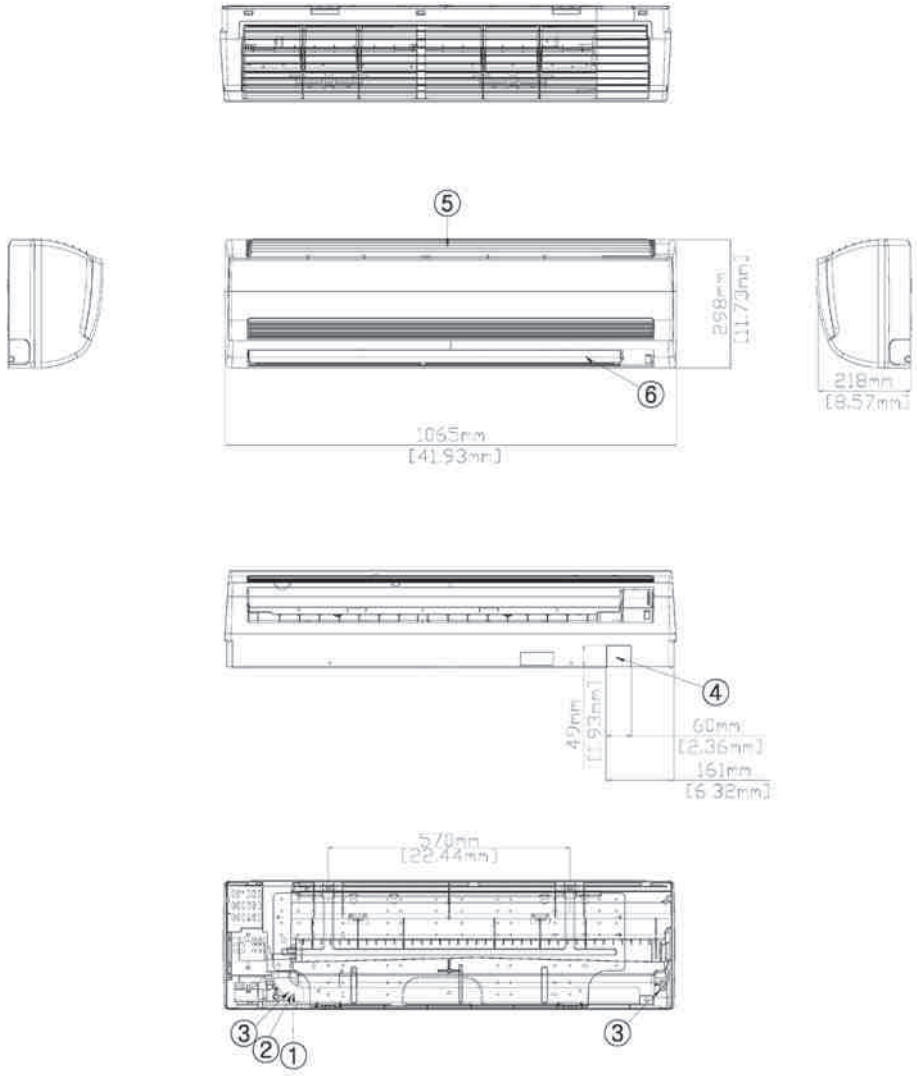
DVM Indoor High Wall – Neo Forte

DIMENSIONAL DRAWINGS

AM056/071FNNDEH/EU



Units: mm



No.	Name
1	Liquid ref. pipe
2	Gas ref. pipe
3	Drain pipe connection
4	Conduit for power supply and communication wiring
5	Air inlet grille
6	Air outlet louver

DVM Indoor High Wall AR5000

SPECIFICATIONS

AM015/022/028JNVDKH/EU



Model Code		AM015JNVDKH/EU	AM022JNVDKH/EU	AM028JNVDKH/EU	AM036JNVDKH/EU
Features	Type	AR5000	AR5000	AR5000	AR5000
Model Name	Indoor Unit	AM015JNADKH/EU	AM022JNADKH/EU	AM028JNADKH/EU	AM036JNADKH/EU
Power Supply (Indoor Unit) [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
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	1.50 kW	2.20 kW	2.80 kW	3.60 kW
	Cooling [Btu/h]	5,100 Btu/h	7,500 Btu/h	9,600 Btu/h	12,300 Btu/h
	Heating [kW]	1.70 kW	2.50 kW	3.20 kW	4.00 kW
	Heating [Btu/h]	5,800 Btu/h	8,500 Btu/h	10,900 Btu/h	13,600 Btu/h
Power Input (Nominal)	Cooling [W]	14.00 W	15.00 W	16.00 W	20.00 W
	Heating [W]	16.00 W	18.00 W	24.00 W	28.00 W
Current Input (Nominal)	Cooling	0.12 A	0.13 A	0.13 A	0.15 A
	Heating	0.13 A	0.15 A	0.19 A	0.20 A
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	27 x 1 W	27 x 1 W	27 x 1 W	27 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	4.40/4.20/3.80 CMM	5.40/4.70/4.00 CMM	5.70/5.00/4.30 CMM	7.10/5.70/4.60 CMM
	Air Flow Rate (High / Mid / Low) [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 (Φ, mm)	6.35 mm	6.35 mm	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"	1/2"	1/2"
	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	26.0/24.0/21.0 dBA	33.0/28.0/23.0 dBA	35.0/30.0/25.0 dBA	36.0/32.0/29.0 dBA
	Sound Power	44.0 dBA	50.0 dBA	53.0 dBA	54.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	7.70 kg	7.70 kg	7.80 kg	9.40 kg
	Shipping Weight (kg)	9.10 kg	9.10 kg	9.20 kg	11.00 kg
	Net Dimensions (WxHxD) (mm)	750 x 249 x 246 mm	750 x 249 x 246 mm	750 x 249 x 246 mm	826 x 261 x 261 mm
	Shipping Dimensions (WxHxD) (mm)	800 x 298 x 302 mm	800 x 298 x 302 mm	800 x 298 x 302 mm	886 x 317 x 335 mm

*This model is available without the Electronic Expansion Valve (EEV). Please contact your Samsung representative for details.

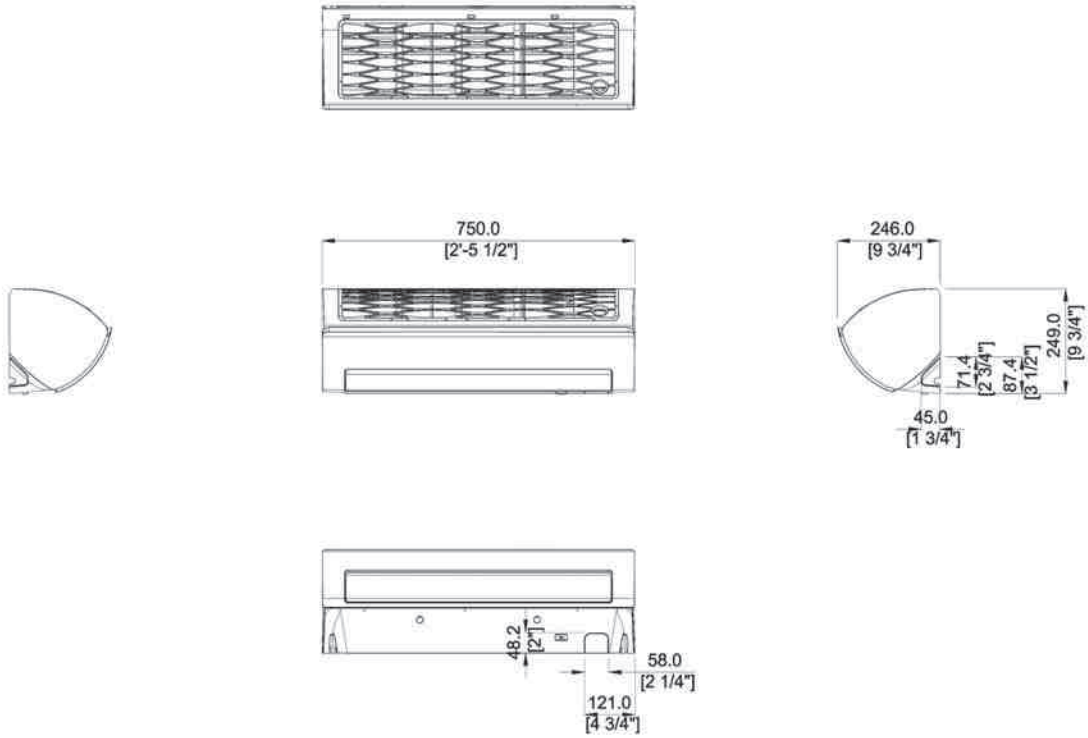
DVM Indoor High Wall AR5000

DIMENSIONAL DRAWINGS

AM015/022/028JNVDKH/EU



Units: mm



No.	Name	Description		
		1.5kW	2.2kW	2.8kW
1	Refrigerant gas pipe	Ø12.7 Flare		
2	Refrigerant liquid pipe	Ø6.35 Flare		
3	Drain pipe connection	ID 18 Hose		

DVM Indoor High Wall AR5000

SPECIFICATIONS

AM036/045JNVDKH/EU



Model Code		AM036JNVDKH/EU	AM045JNVDKH/EU
Features	Type	AR5000	AR5000
Model Name	Indoor Unit	AM036JNADKH/EU	AM045JNADKH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	3.60 kW	4.50 kW
	Cooling [Btu/h]	12,300 Btu/h	15,400 Btu/h
	Heating [kW]	4.00 kW	5.00 kW
	Heating [Btu/h]	13,600 Btu/h	17,100 Btu/h
Power Input (Nominal)	Cooling [W]	20.00 W	31.00 W
	Heating [W]	28.00 W	41.00 W
Current Input (Nominal)	Cooling	0.15 A	0.24 A
	Heating	0.20 A	0.31 A
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	27 x 1 W	27 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	7.10/5.70/4.60 CMM	8.90/7.50/6.00 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	118.33/95.00/76.67	148.33/125.00/100.00
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"
	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36.0/32.0/29.0 dBA	40.0/37.0/33.0 dBA
	Sound Power	54.0 dBA	57.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	9.40 kg	9.40 kg
	Shipping Weight (kg)	11.00 kg	11.00 kg
	Net Dimensions (WxHxD) (mm)	826 x 261 x 261 mm	826 x 261 x 261 mm
	Shipping Dimensions (WxHxD) (mm)	886 x 317 x 335 mm	886 x 317 x 335 mm

*This model is available without the Electronic Expansion Valve (EEV). Please contact your Samsung representative for details.

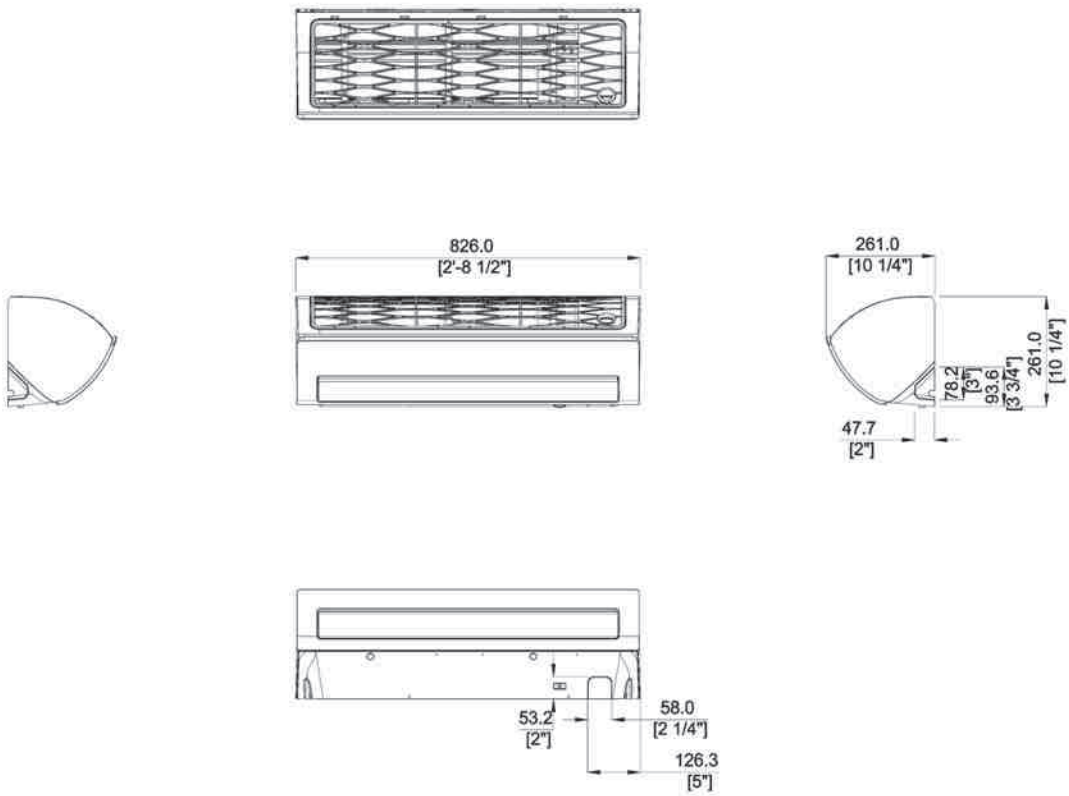
DVM Indoor High Wall AR5000

DIMENSIONAL DRAWINGS

AM036/045JNVDKH/EU



Units: mm



No.	Name	Description	
		3.6kW	4.5kW
1	Refrigerant gas pipe	Ø12.7 Flare	
2	Refrigerant liquid pipe	Ø6.35 Flare	
3	Drain pipe connection	ID 18 Hose	

DVM Indoor High Wall AR5000

SPECIFICATIONS

AM056/071/082JNVDKH/EU



Model Code		AM056JNVDKH/EU	AM071JNVDKH/EU	AM082JNVDKH/EU
Features	Type	AR5000	AR5000	AR5000
Model Name	Indoor Unit	AM056JNADKH/EU	AM071JNADKH/EU	AM082JNADKH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	5.60 kW	7.10 kW	8.20 kW
	Cooling [Btu/h]	19,100 Btu/h	24,200 Btu/h	28,000 Btu/h
	Heating [kW]	6.30 kW	8.00 kW	8.50 kW
	Heating [Btu/h]	21,500 Btu/h	27,300 Btu/h	29,000 Btu/h
Power Input (Nominal)	Cooling [W]	27.00 W	41.00 W	55.00 W
	Heating [W]	37.00 W	53.00 W	72.00 W
Current Input (Nominal)	Cooling	0.21 A	0.31 A	0.42 A
	Heating	0.29 A	0.41 A	0.55 A
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor (Output) [W]	27 x 1 W	27 x 1 W	27 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	11.80/10.00/8.20 CMM	14.80/12.40/10.00 CMM	16.70/14.30/12.40 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	196.67/166.67/136.67	246.67/206.67/166.67	278.33/238.33/206.67
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	1/4"	3/8"	3/8"
	Gas Pipe (Φ, mm)	12.70 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	1/2"	5/8"	5/8"
	Drain Pipe (Φ,mm)	ID 18 HOSE mm	ID 18 HOSE mm	ID 18 HOSE mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	39.0/35.0/32.0 dBA	44.0/40.0/36.0 dBA	47.0/42.0/40.0 dBA
	Sound Power	57.0 dBA	61.0 dBA	65.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	14.20 kg	14.20 kg	14.20 kg
	Shipping Weight (kg)	17.50 kg	17.50 kg	17.50 kg
	Net Dimensions (WxHxD) (mm)	1065 x 301 x 294 mm	1065 x 301 x 294 mm	1065 x 301 x 294 mm
	Shipping Dimensions (WxHxD) (mm)	1123 x 354 x 384 mm	1123 x 354 x 384 mm	1123 x 354 x 384 mm

*This model is available without the Electronic Expansion Valve (EEV). Please contact your Samsung representative for details.

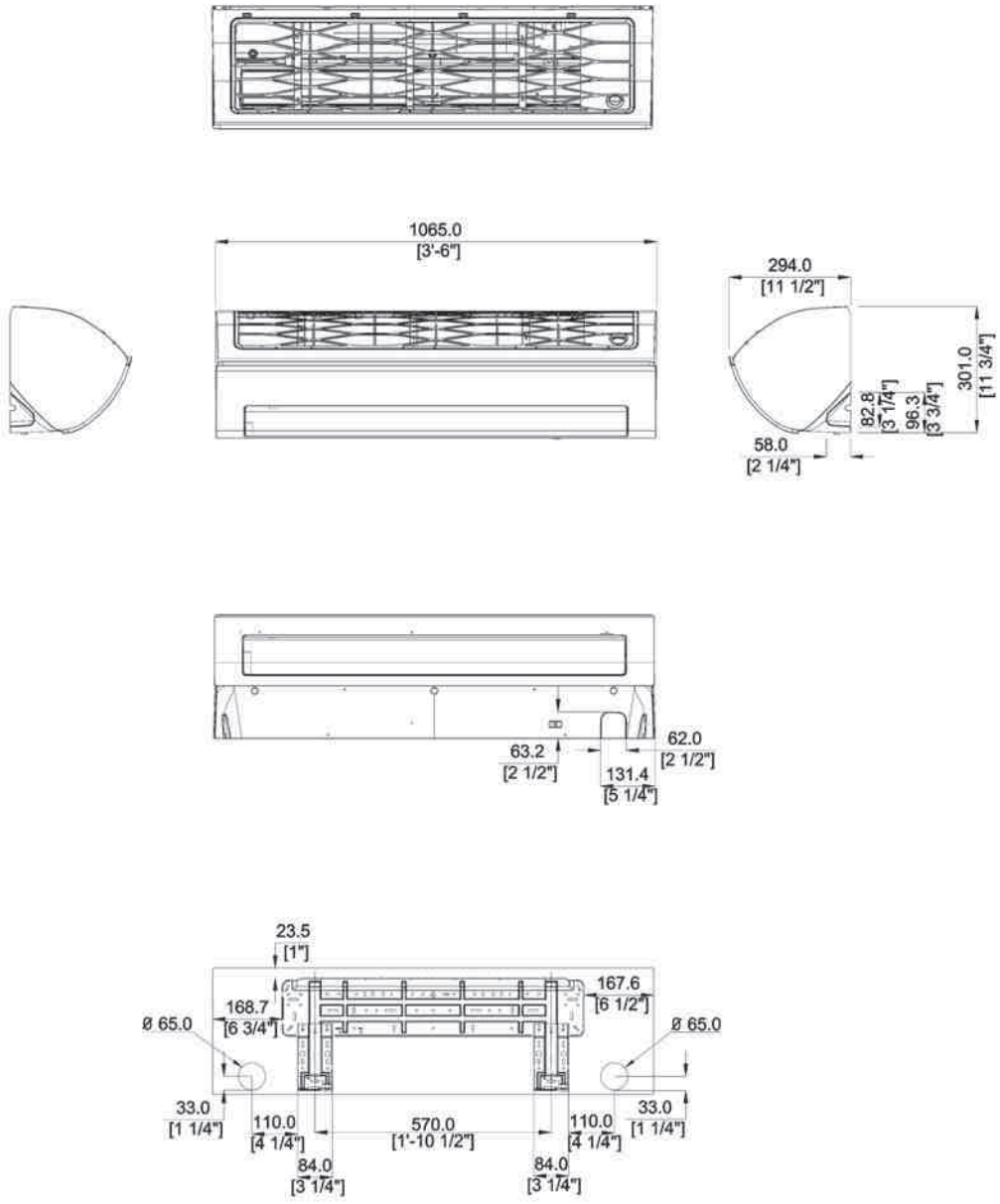
DVM Indoor High Wall AR5000

DIMENSIONAL DRAWINGS

AM056/071/082JNVDKH/EU



Units: mm



No.	Name	Description		
		5.6kW	7.1kW	8.2kW
1	Refrigerant gas pipe	Ø12.7 Flare	Ø15.88 Flare	
2	Refrigerant liquid pipe	Ø6.35 Flare	Ø9.52 Flare	
3	Drain pipe connection	ID 18 Hose		

DVM Indoor Hydro Unit – HE

SPECIFICATIONS

AM160/320/500FNBDEH/EU



Model Code		AM160FNBDEH/EU	AM320FNBDEH/EU	AM500FNBDEH/EU
Features	Type	Hydro Unit (HE)	Hydro Unit (HE)	Hydro Unit (HE)
Model Name	Indoor Unit	AM160FNBDEH/EU	AM320FNBDEH/EU	AM500FNBDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	14.00 kW	28.00 kW	44.80 kW
	Cooling [Btu/h]	47,800 Btu/h	95,500 Btu/h	152,900 Btu/h
	Heating [kW]	16.00 kW	31.50 kW	50.40 kW
	Heating [Btu/h]	54,600 Btu/h	107,500 Btu/h	172,000 Btu/h
Power Input (Nominal)	Cooling [W]	10.00 W	10.00 W	10.00 W
	Heating [W]	10.00 W	10.00 W	10.00 W
Current Input (Nominal)	Cooling	0.05 A	0.05 A	0.05 A
	Heating	0.05 A	0.05 A	0.05 A
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	12.70 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	1/2"
	Gas Pipe (Φ, mm)	15.88 mm	22.22 mm	28.58 mm
	Gas Pipe (Φ, inch)	5/8"	7/8"	1 1/8"
Field Wiring	Power Source Wire	2.5 ~ 2.5	2.5 ~ 2.5	2.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	27.0/-/- dBA	28.0/-/- dBA	31.0/-/- dBA
	Sound Power	- dBA	- dBA	- dBA
External Dimension (Indoor Unit)	Net Weight (kg)	29.00 kg	33.00 kg	40.00 kg
	Shipping Weight (kg)	31.00 kg	35.00 kg	42.00 kg
	Net Dimensions (WxHxD) (mm)	518 x 627 x 330 mm	518 x 627 x 330 mm	518 x 627 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	652 x 700 x 426 mm	652 x 700 x 426 mm	652 x 700 x 426 mm

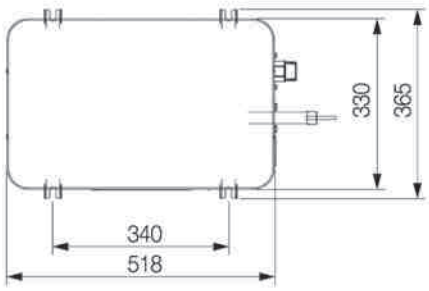
DVM Indoor Hydro Unit – HE

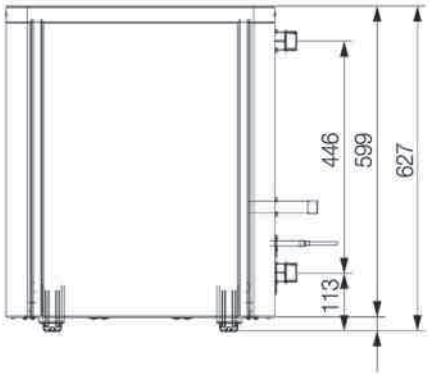
DIMENSIONAL DRAWINGS

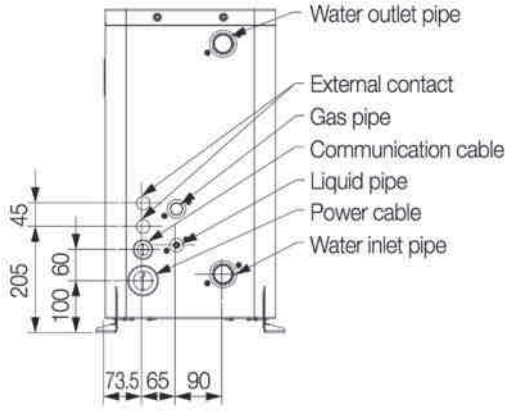
AM160/320/500FNBDEH/EU



Units: mm







Model name		AM160FNBDEH***	AM320FNBDEH***	AM500FNBDEH***
Refrigerant side	Liquid pipe	3/8" (Ø9.52)	3/8" (Ø9.52)	1/2" (Ø12.7)
	Gas pipe	5/8" (Ø15.88)	7/8" (Ø22.23)	1-1/8" (Ø28.58)
Water side	Water inlet/outlet pipe	PT 1 (25 A)	PT 1 (25 A)	PT 1-1/4 (32 A)

DVM Indoor Hydro Unit – HT

SPECIFICATIONS

AM160FNBFEB/EU , AM160FNBFGB/EU, AM250FNBFEB/EU, AM250FNBFGB/EU



Model Code		AM160FNBFEB/EU	AM160FNBFGB/EU	AM250FNBFEB/EU	AM250FNBFGB/EU
Features	Type	Hydro Unit (HT)	Hydro Unit (HT)	Hydro Unit (HT)	Hydro Unit (HT)
Model Name	Indoor Unit	AM160FNBFEB/EU	AM250FNBFGB/EU	AM250FNBFEB/EU	AM250FNBFGB/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	3, 4, 380-415, 50	1,2,220-240,50	3, 4, 380-415, 50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	- kW	- kW	- kW	25 kW
	Cooling [Btu/h]	- Btu/h	- Btu/h	- Btu/h	85,300 Btu/h
	Heating [kW]	16.00 kW	16 kW	25.00 kW	- W
	Heating [Btu/h]	54,600 Btu/h	54,600 Btu/h	85,300 Btu/h	5,000 W
Power Input (Nominal)	Cooling [W]	- W	- W	- W	- A
	Heating [W]	3100.00 W	3,100 W	5000.00 W	7.85 A
Current Input (Nominal)	Cooling	- A	- A	- A	9.52 mm
	Heating	14.30 A	4.85 A	23.10 A	3/8"
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"	5/8"
Field Wiring	Power Source Wire	4~4	2.5~2.5	4~4	2.5~2.5
	Transmission Cable	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R-134A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R-134A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV	EEV INCLUDED	EEV
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	42.0/-/- dBA	42 dBA	42.0/-/- dBA	42 dBA
	Sound Power	- dBA	- dBA	- dBA	- dBA
External Dimension (Indoor Unit)	Net Weight (kg)	104.00 kg	104 kg	104.00 kg	104 kg
	Shipping Weight (kg)	107.00 kg	107 kg	107.00 kg	107 kg
	Net Dimensions (WxHxD) (mm)	518 x 1210 x 330 mm	518 x 1,210 x 330 mm	518 x 1210 x 330 mm	518 x 1,210 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	652 x 1289 x 426 mm	652 x 1,289 x 426 mm	652 x 1286 x 426 mm	652 x 1,289 x 426 mm

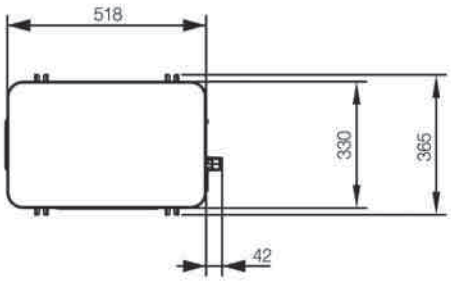
DVM Indoor Hydro Unit – HT

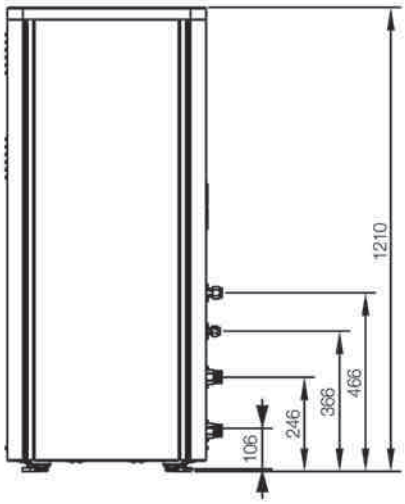
DIMENSIONAL DRAWINGS

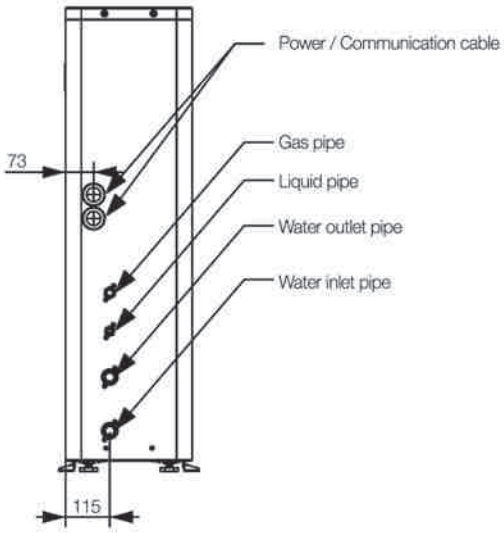
AM160FNBFEB/EU , AM160FNBFGB/EU, AM250FNBFEB/EU, AM250FNBFGB/EU

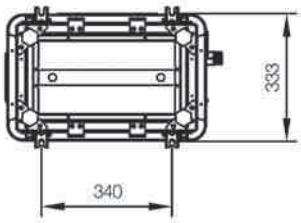


Units: mm









Model name		AM***FNBF*B
Refrigerant side	Liquid side connection part	3/8" (Ø9.52)
	Gas side connection part	5/8" (Ø15.88)
Water side connection part		PT 1 (25 A)

ERV Plus

SPECIFICATIONS

AM050/100FNKDEH/EU



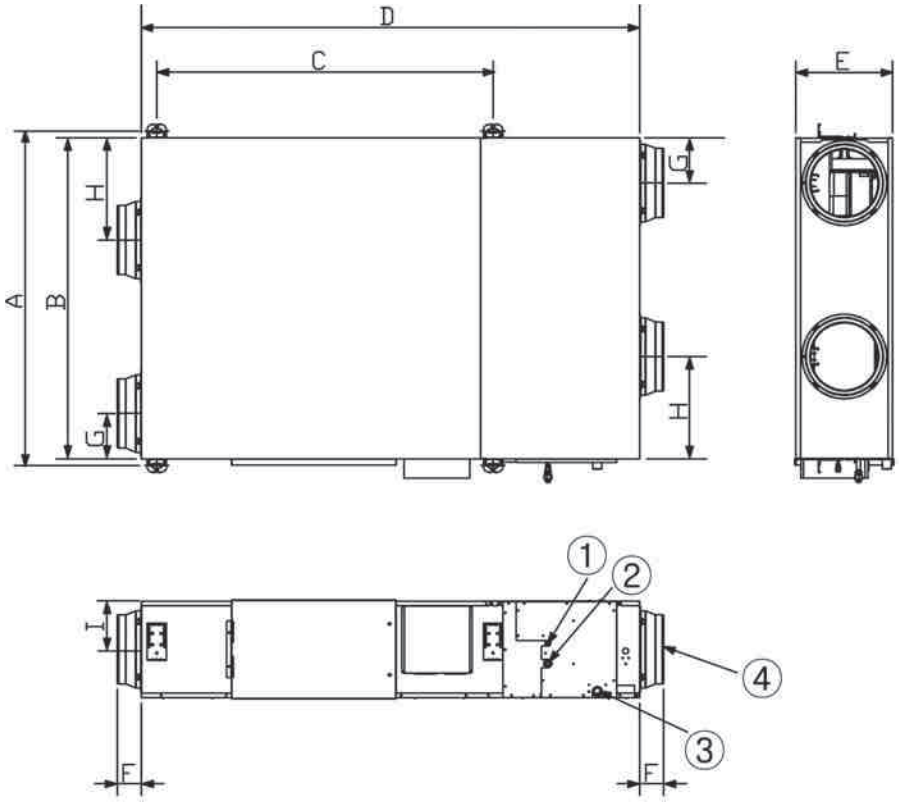
Model Code		AM050FNKDEH/EU	AM100FNKDEH/EU
Features	Type	ERV PLUS	ERV PLUS
Model Name	Indoor Unit	AM050FNKDEH/EU	AM100FNKDEH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	3.60 kW	7.10 kW
	Cooling [Btu/h]	12,300 Btu/h	24,200 Btu/h
	Heating [kW]	4.00 kW	8.00 kW
	Heating [Btu/h]	13,600 Btu/h	27,300 Btu/h
Power Input (Nominal)	Cooling [W]	220.00 W	510.00 W
	Heating [W]	220.00 W	510.00 W
Current Input (Nominal)	Cooling	1.70 A	3.70 A
	Heating	1.70 A	3.70 A
Fan	Type	Sirroco Fan / BLDC	Sirroco Fan / BLDC
	Motor (Output) [W]	60 x 2 W	70 x 2 W
	Air Flow Rate (High / Mid / Low) [CMM]	8.33/8.33/6.00 CMM	16.67/16.67/11.50 CMM
	Air Flow Rate (High / Mid / Low) [L/S]	138.83/138.83/100.00	277.83/277.83/191.67
	External Static Pressure (Min / Std / Max) [mmAq]	8.70/10.20/16.32 mmAq	7.60/9.20/15.30 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	85.32/100.03/160.04 Pa	74.53/90.22/150.04 Pa
Piping Connections	Liquid Pipe (Φ, mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ, mm)	12.70 mm	12.70 mm
	Gas Pipe (Φ, inch)	1/2"	1/2"
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25) mm	VP25 (OD 32,ID 25) mm
Field Wiring	Power Source Wire	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36.0/32.0/28.0 dBA	36.0/34.0/31.0 dBA
	Sound Power	67.0 dBA	67.0 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	61.00 kg	90.00 kg
	Shipping Weight (kg)	75.20 kg	107.50 kg
	Net Dimensions (WxHxD) (mm)	1553 x 270 x 1000 mm	1763 x 340 x 1135 mm
	Shipping Dimensions (WxHxD) (mm)	1847 x 349 x 1300 mm	2027 x 428 x 1424 mm
Additional Accessories	Air Filter	High Efficiency Filter (PP)	High Efficiency Filter (PP)

ERV Plus

DIMENSIONAL DRAWINGS
AM050/100FNKDEH/EU



Units: mm



No.	Name		Description	
			500CMH	500CMH
1	Liquid pipe connection		Ø6.35 (1/4")	
2	Gas pipe connection		Ø12.7 (1/2")	
3	Drain pipe connection		VP25 (OD32, ID25)	
4	Nominal diameter for duct	AM050FNKDEH	Ø200	
		AM100FNKDEH	Ø250	

Model	A	B	C	D	E	F	G	H	I
AM050FNKDEH/EU	1036	1000	987	1553	270	99	130	253	135
AM100FNKDEH/EU	1183	1135	1189	1763	340	84	160	362	170

ERV (Energy Recovery Ventilation)

SPECIFICATIONS

AN026JSKLKN/EU



Model Code		AN026JSKLKN/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60
Temperature Exchange Rate	Cooling	70.00%
	Heating	70.00%
Enthalpy Exchange Rate	Cooling	50.00%
	Heating	70.00%
Power Input (Nominal)		115
Current Input (Nominal)		0.70 A
Fan	Air Flow Rate (High / Mid / Low) [CMH]	260 / 250 / 180 CMH
	External Static Pressure (Min / Std / Max) [Pa]	45 / 80 / 100 Pa
External Dimension (Indoor Unit)	Net Weight (kg)	28.5 kg
	Net Dimensions (WxHxD) (mm)	600 x 350 x 660 mm

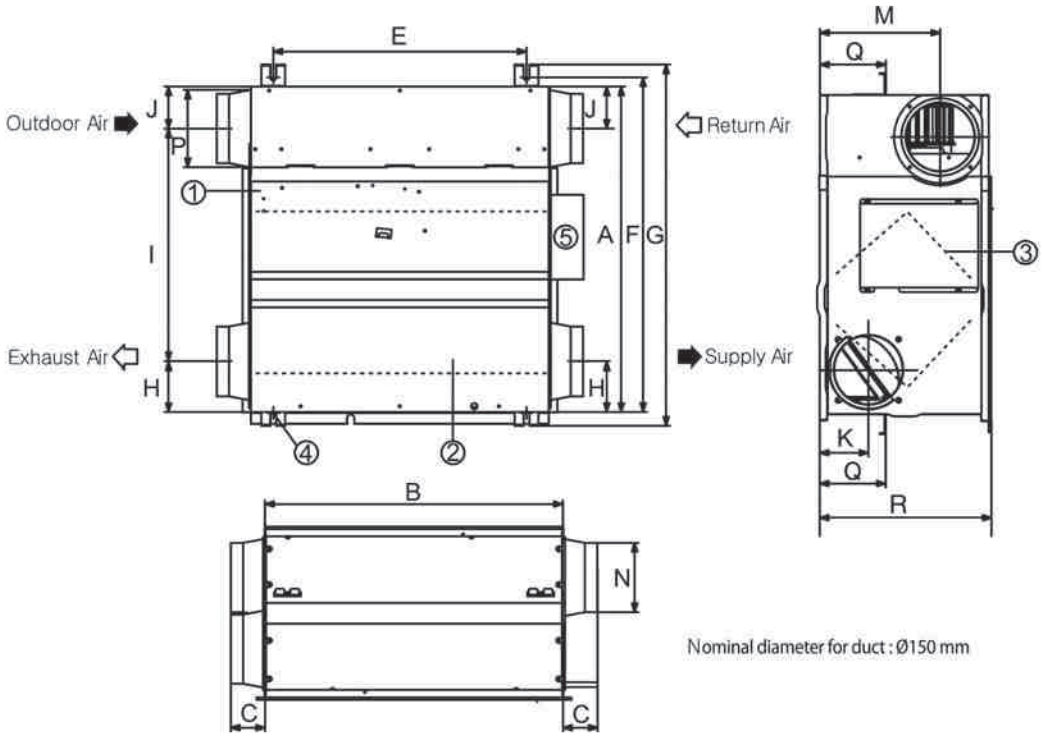
ERV (Energy Recovery Ventilation)

DIMENSIONAL DRAWINGS

AN026JSKLKN/EU



Units: mm



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
026	600	660	70	510	675	729	102	470	85	98	242	Ø140	Ø156	133	350

ERV (Energy Recovery Ventilation)

SPECIFICATIONS

AN035/050/080/100JSKLKN/EU



Model Code		AN035JSKLKN/EU	AN050JSKLKN/EU	AN080JSKLKN/EU	AN100JSKLKN/EU
Power Supply (Indoor Unit) [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
Temperature Exchange Rate	Cooling	70.00%	70.00%	70.00%	70.00%
	Heating	70.00%	70.00%	70.00%	70.00%
Enthalpy Exchange Rate	Cooling	50.00%	50.00%	50.00%	50.00%
	Heating	70.00%	70.00%	70.00%	70.00%
Power Input (Nominal)		115	175.00W	330.00W	450.00W
Current Input (Nominal)		0.70 A	1.10 A	2.10 A	2.90 A
Fan	Air Flow Rate (High / Mid / Low) [CMH]	350 / 350 / 260 CMH	500 / 500 / 360 CMH	800 / 800 / 560 CMH	1000 / 1000 / 690 CMH
	External Static Pressure (Min / Std / Max) [Pa]	85 / 100 / 155 Pa	85 / 100 / 165 Pa	80 / 90 / 155 Pa	75 / 90 / 155 Pa
External Dimension (Indoor Unit)	Net Weight (kg)	42.50 kg	42.50 kg	67.00 kg	67.00 kg
	Net Dimensions (WxHxD) (mm)	1012 x 270 x 1000 mm	1012 x 270 x 1000 mm	1220 x 340 x 1135 mm	1220 x 340 x 1135 mm

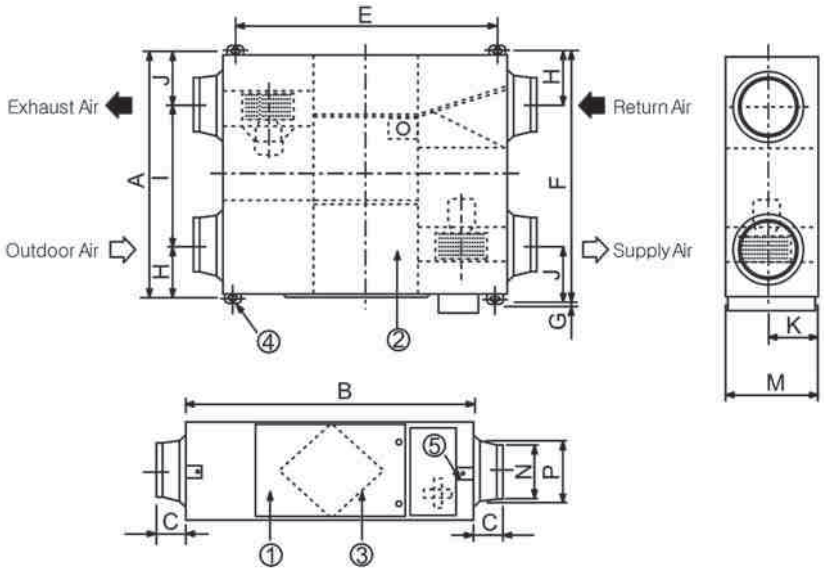
ERV (Energy Recovery Ventilation)

DIMENSIONAL DRAWINGS

AN035/050/080/100JSKLKN/EU



Units: mm



Model	Nominal diameter for duct
035/050	Ø200
080/100	Ø250

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	A	B	C	E	F	G	H	I	J	K	M	N	P
035/050	1000	1012	99	940.6	1036.4	26	130	617	253	135	270	Ø194	Ø241.5
080/100	1135	1220	84	1110	1183	25	184	613.25	387.75	170	340	Ø244	Ø270

DVM Outdoor Units



DVM Outdoor Units

Line-up

DVM S HP/HR High Efficiency

Image	Model	Capacity	Single							
			8	10	12	14	16	18	20	22
	AM080JXVHG*/EU	8 HP	1							
	AM100JXVHG*/EU	10 HP		1						
	AM120JXVHG*/EU	12 HP			1					
	AM140JXVHG*/EU	14 HP				1				
	AM160JXVHG*/EU	16 HP					1			
	AM180JXVHG*/EU	18 HP						1		
	AM200JXVHG*/EU	20 HP							1	
	AM220JXVHG*/EU	22 HP								1

DVM S HP/HR

Image	Model	Capacity	Modular							
			54*	56*	58*	60*	62*	64*	66*	68*
	AM080JXVHG*/EU	8 HP								
	AM100JXVHG*/EU	10 HP								
	AM120JXVHG*/EU	12 HP	1	1						2
	AM140JXVHG*/EU	14 HP			1					
	AM160JXVHG*/EU	16 HP				1				
	AM180JXVHG*/EU	18 HP					1			
	AM200JXVHG*/EU	20 HP	1					1		
	AM220JXVHG*/EU	22 HP	1	2	2	2	2	2	3	2

*If you wish to install outdoor unit module with capacity over 66HP, please contact local Samsung dealer.

*For specifications of modular combinations, please contact you local Samsung Representative.

DVM Outdoor Units

Line-up

Modular												
28*	30*	32*	34*	36*	38*	40*	42*	44*	46*	48*	50*	52*
1	1	1	1						1	1	1	1
				1						1		
1					1						1	
	1					1						1
		1					1					
			1	1	1	1	1	1	1	1	1	1

70*	72*	74*	76*	78*	80*
1	1	1	1	1	
1					1
	1				
		1			
			1		
2	2	2	2	3	3

DVM Outdoor Units

Line-up

DVM S Water

Image	Model	8	10	12	16	18	20	22	24
	AM080FXWANR/EU	1			2	1			
	AM100FXWANR/EU		1			1		1	
	AM120FXWANR/EU			1				1	2
	AM200FXWANR/EU						1		

DVM S Eco

Image	Phase \ Capacity	4HP	5HP	6HP	8HP	10HP	12HP	14HP
	1 Phase	●	●	●				
	3 Phase	●	●	●	●	●	●	●

DVM Outdoor Units

Line-up

26	28	30	32	34	36	38	40	42	48	50	52	60
2	1				2	1			1			
1		1		1		1		1		1		
			1	2				1			1	
	1	1	1		1	1	2	1	2	2	2	3

DVM S Outdoor Units

Optimise Comfort with Solutions Designed for Superior Efficiency and Manageability

Variable refrigerant flow (VRF) systems are a smart solution for commercial and large residential buildings that demand higher efficiency, individualized control and installation flexibility. Advanced heat recovery combines heating, cooling and ventilation processes for increased energy efficiency and lower operating costs. In addition, VRF technology supports zone control, enabling users to adjust individual climate settings to suit their personal comfort preferences. And with copper piping that's typically longer than traditional direct expansion (DX) systems, VRF units increase design flexibility for more creative installations.

Samsung's VRF system air conditioners offer instant temperature control, user-friendly installation and advanced functionality, along with smart power usage. Our flagship VRF-based Samsung DVM S is a highly innovative system that adopts the new 3rd-Generation Samsung Scroll Compressor (SSC) technology. With its Dual Digital Inverter, DVM S provides world-class energy efficiency and the most powerful cooling and heating performance available on the market. This ideal air conditioning system accommodates all variable environments, including large commercial or residential buildings.

The Samsung DVM S system air conditioner delivers optimal comfort, efficiency and performance with features such as:

- The world's largest capacity. Experience the ultimate heating and cooling capacity while optimising space with an efficiently-sized design.
- Improved heating performance. Enhance airflow with smarter, more efficient heating technology to weather cold environments.
- High energy efficiency. Decrease energy consumption and costs with a dual inverter system featuring simultaneous compressor operation for higher performance.
- Flexible installation. Ease installation and reduce labor costs with a lightweight design and extended piping length and elevation support.
- Year-round climate control. Enjoy a comfortable environment even in extreme climates with advanced temperature control and rapid cooling and heating performance.
- Smart management. Monitor system performance effectively with convenient web-based data access and management from anywhere.
- Reliable performance and durability. Ensure dependable cooling and heating for all conditions with weather-proofing and corrosion resistance.



DVM S Outdoor Units

Enhance Temperature Control with More Intelligent and Efficient Heating Operation

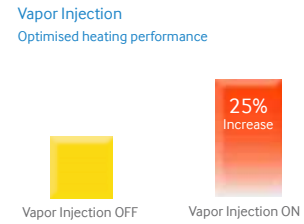
With three improved key features, DVM S ensures fresh airflow for increased comfort. Enhanced flash injection delivers reliable heating at lower temperatures, while more intelligent defrost and snow detection offer more precise operation, saving valuable energy and expenses.



Improved Flash Injection

Featuring advanced refrigerant control technology, Samsung's flash injection provides 25% improved performance at -25°C. And at even lower temperatures, it continues to perform, delivering reliable comfort in frigid conditions.





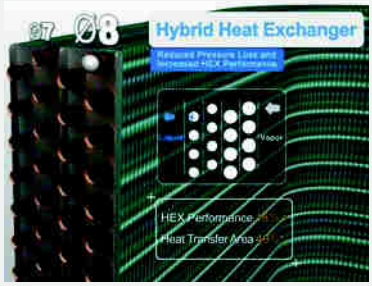
Intelligent Defrost

DVM S features new frost detection that provides continuous heating time and improved efficiency. The system considers not only conventional factors but also air resistance to intelligently judge the defrost operation. More precise defrost judgment avoids unnecessary defrosting thanks to the partial load and l ower ambient temperature operation. Ultimately, users can enjoy less energy waste and more continuous heating time.



Hybrid Heat Exchanger

The DVM S Hybrid Heat Exchanger offers a 49% larger heat transfer area, and a double layer that balances refrigerant flow. Refrigerant pressure drop is minimised by applying a different tube diameter in accordance with the refrigerant property.

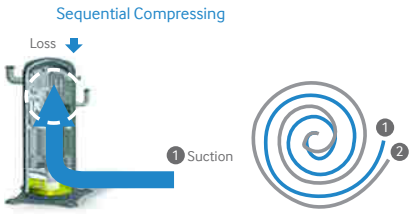


DVM S Outdoor Units

Minimise Compression Loss with Asymmetric Scroll Design

DVM S applies a fluid, asymmetrical scroll design that minimises compression loss during refrigerant compression for maximum performance.

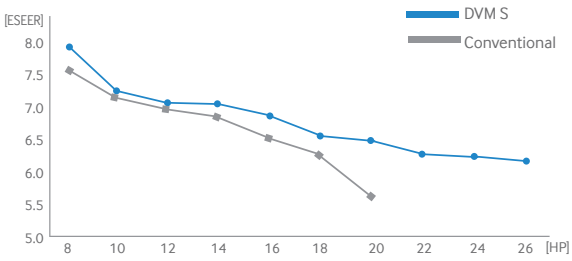
DVM S



* No friction loss in the compressor, thanks to sequential suction and discharge.

Maintain Optimal Comfort and Control with Energy- and Cost-Efficient Technologies

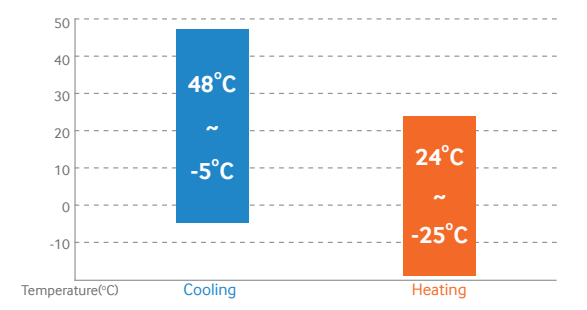
Samsung DVM S features several smart technologies that combined deliver world-class energy efficiency and economy with these technologies, DVM S boasts a superior 13% higher Energy Efficiency Ratio (EER), and 4% higher European Seasonal Energy Efficiency Ratio (ESEER) than the industry standard model. Samsung's innovation has not gone unnoticed. Samsung DVM S was recognized by Eurovent, an independent testing organization, for its world-first cooling and heating performance and efficiency.



DVM S Outdoor Units

Weather a Wide Range of Outdoor Temperatures Comfortably

No matter how extreme the temperature, the high-performing DVM S can handle the condition—without the need for an additional unit. Featuring a wide temperature allowance, it can cool in heat of up to 48°C and provide warmth in the freezing cold of -25°C to ensure a constant and comfortable home environment.

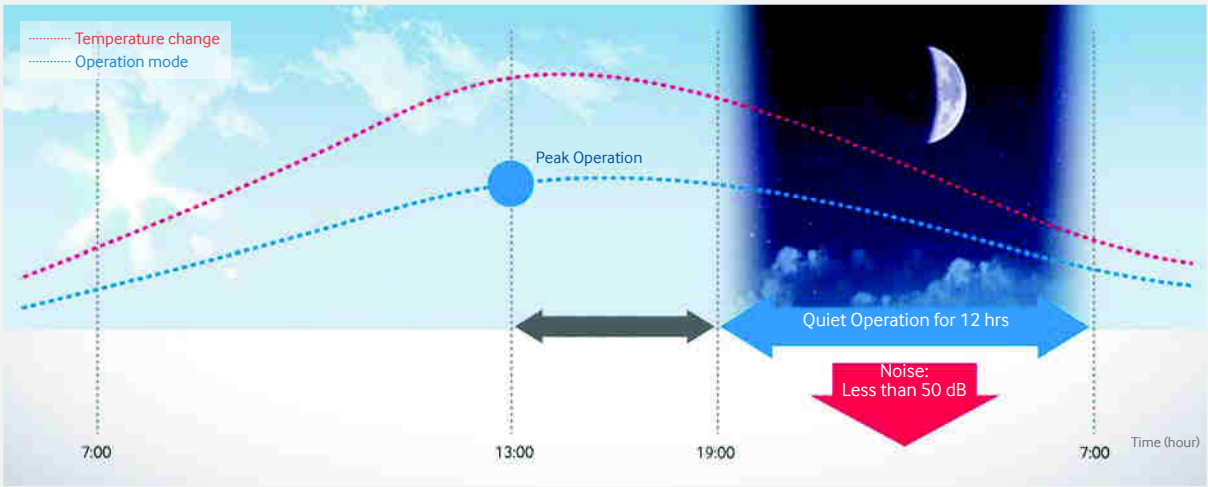


Lessen Disruptions with 12-hour Quiet Operation

DVM S outdoor fans include an operation control system that drastically reduces noise levels. Quiet operation continues for 12 hours, so residents can relax and rest peacefully with less distraction during the night.

Minimise Nighttime Noise

A new Night Silent Control feature includes a timer and external contact interface module, which allow users to set the time they want to minimise noise. With the upgraded Night Silent Control feature, users can manage the noise control function when they want using the external controller.



DVM S Outdoor Units

Monitor and Resolve System Issues Remotely with a Smart Management System

DVM S features a smart, web-based management system for the ultimate in convenient management. The advanced system facilitates self-diagnosis, auto trial operations and mobile data transmissions, which users can easily access and monitor via the web-based tool.



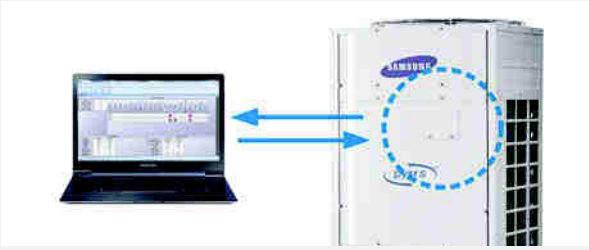
Easy Access

Thanks to the small opening on the outdoor unit, checking the outdoor status and setting option is easy, because users don't need to remove the entire front cover.



Automatic Data Backup

If a malfunction occurs, DVM S automatically backs up the last 30 minutes of operation data to ease the repair and recovery process.



System Oversight from Anywhere

With Wi-Fi S-Checker, users can access the system via their smartphones or tablet PCs to monitor operation status or data whenever and wherever. With self-diagnosis mode, DVM S automatically monitors its operation status and displays an error code in response to signs of abnormal operation. Users can then identify and address the issue promptly.

DVM S



DVM S Outdoor Units

Heat Environments Effortlessly and Continuously for Ultimate Comfort

The DVM S HR (Heat Recovery) model delivers continuous heating performance using innovative rotational defrost for reliable warmth and comfort. In addition, it supports more agile operation through simultaneous cooling and heating.

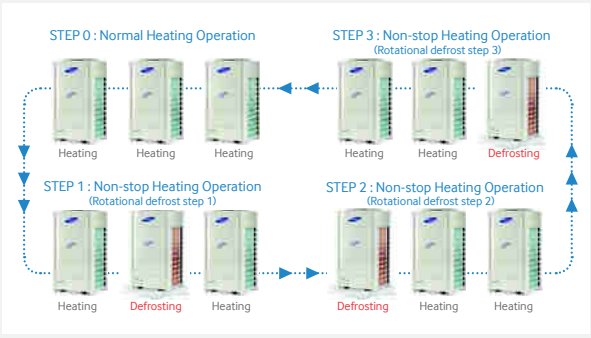


Non-stop Heating

DVM S can operate continuously in heating mode with rotational defrost operation. Because the heating mode runs for a longer period of time, users can enjoy a more pleasant, warm environment.

Simultaneous Cooling and Heating

Single outdoor units can operate all indoor units in both cooling and heating mode. They can also simultaneously operate in cooling and heating mode, when necessary, providing more operational freedom.



Fine-Tuned Control

DVM S HR uses a Mode Change Unit (MCU) kit that is less than 32% the size of competitors' products. The MCU has an internal on/off valve that enables fine-tuned control via an electronic expansion valve (EEV) and sub-cooler. Improved performance and reduced noise create a pleasant temperature-controlled environment.



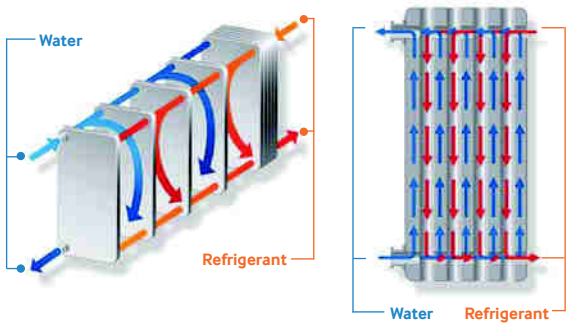
DVM S Outdoor Units

Temper the Indoor Environment with Innovative Water-based Heating and Cooling Technology

DVM S Water is a high-capacity outdoor cooling and heating system, ideal for large buildings. Unique to other DVM S models, the DVM S Water air conditioning system uses water as its heat source, which connects to a cooling tower and boiler. Using a highly efficient compressor and heat exchanger, DVM S Water provides effective and reliable performance despite changes in the surrounding environment. Its long piping and lightweight design also make it easy and economical to install almost anywhere.

Decreased Maintenance and Energy Costs

DVM S Water features advanced PHE technology, which improves cooling and heating efficiency, further benefiting the environment while reducing maintenance and energy costs.



Economical Design and Setup

At 22 HP, the large-unit capacity of DVM S Water facilitates economical installation with a smaller footprint and lighter weight – an ideal solution for larger buildings. .



DVM S Water

Renewable Energy Source

Eco-friendly DVM S Water uses geothermal energy as a renewable heat source instead of a cooling tower and boiler, effectively supporting businesses' environmental and cost reduction initiatives.



Cost-effective Water Flow Control

DVM S Water's built-in Water Flow Controller helps regulate the amount of water used to cool and heat the outdoor unit. It determines the optimum flow of water based on the internal temperature of the space, economising both the circulation pump's energy usage and costs. And because it's a standard option, businesses can eliminate the expense of purchasing a separate water flow control kit.



Louver-less Installation

The DVM S Water air conditioning system's louver-less installation ensures that the outside of the building remains neat and tidy. Because the system cools with water, it eliminates the need to install an unsightly louver to allow air to circulate and to remove excess heat. Its streamlined operation supports easy installation inside a building without impacting the integrity of its architectural design.

DVM S Eco

Experience Ultimate Comfort at Home or Work with Powerful yet Economical Performance

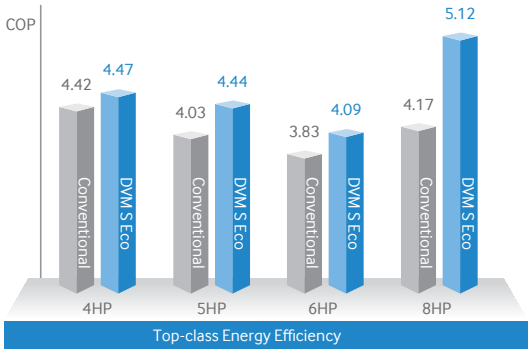
The VRF-based Samsung DVM S Eco system air conditioner combines world-class energy efficiency and economy to deliver outstanding performance in a space-saving design. Supporting up to nine indoor units, DVM S Eco is a perfectly optimised cooling system for residences and smaller buildings. Its lightweight, small-scale build enables easy, low-cost installation, while its uniquely quiet design ensures soothing comfort and maximum efficiency. Plus, the DVM S Eco line offers a wide range of capacities to suit every need.



Energy-efficient Compression

DVM S Eco features innovative Twin Brushless Direct Current (BLDC) rotary compressor, which provides a higher cooling and heating COP than that of a conventional model. The result is one of the most efficient air conditioning systems on the market and a smart investment for cost-conscious businesses.

Top Class Energy Efficiency



* Product specifications in the catalogue can be changed without prior notice because there is always ongoing improvement on our product.

Broad Installation Options

DVM S Eco provides greater piping lengths than conventional models for increased design flexibility. Its extended piping length of up to 170 m (558 ft) and installation height of up to 50 m (164 ft) offer businesses more installation options. The piping distance is far between outdoor and indoor units, so individual indoor units perform capacity connection control and automatic refrigerant equalisation for more balanced performance between units.

DVM S Eco

Easy Setup with a Lightweight Build

DVM S Eco optimises space with its extremely slim and light design—the largest 9 HP model weighing just 135 kg (297.64 lb). With its small footprint, DVM S Eco is more flexible and economical to install as it fits into a smaller area. Plus its 60% volume and depth makes the best use of valuable space while continuing to produce superior quality heating and cooling performance.



Efficient Space Use

With a single DVM S Eco (8 HP) outdoor unit, users can experience the same performance level as that of two 4 HP outdoor units. The streamlined high-performance unit reduces installation space, so users can optimise more compact areas and minimise installation effort.



Ultra-Quiet Operation

By producing less noise than conventional models, the DVM S Eco imposes fewer distractions on residential and working environments. Its compact, unimposing design and specially shaped fan blades help reduce sound levels up to 5 decibels, creating a more pleasant environment. Plus, its quiet operation during the night time creates a restful space with a reduced noise level of 2 – 8 dB.

ERV/ERV Plus

Enjoy High-efficiency Ventilation for a More Refreshing Atmosphere

Indoor air quality is gaining more and more attention as increasingly more people become ill from airborne contaminants. Indoor air contamination is often the cause behind building-related syndromes, such as asthma, headaches and dizziness.

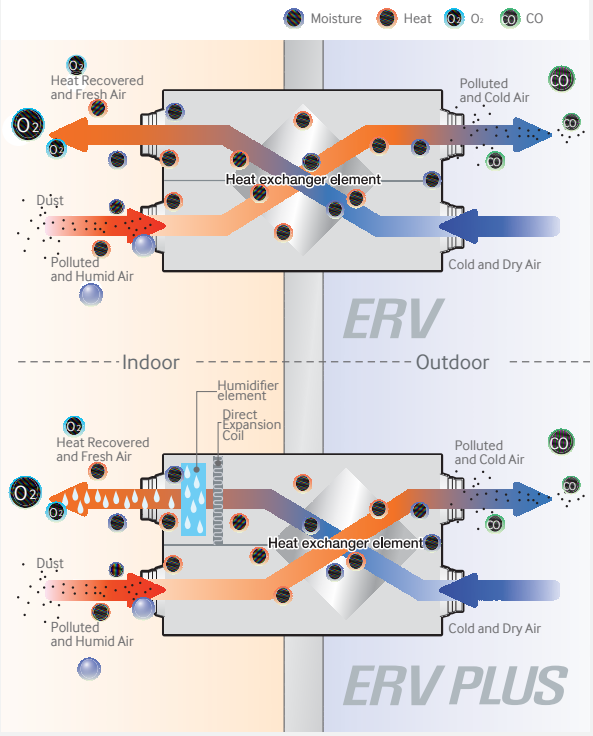
The Samsung ERV (Energy Recovery Ventilation) system air conditioner provides fresh, healthy air from outside while minimising energy loss for maximum efficiency. Its intelligent structure incorporates features specifically designed for flawless ventilation and efficient operation.

Drive Energy Savings with Unparalleled Heat Exchange and Automated Temperature Control

Samsung ERV and ERV Plus deliver exceptional cooling and heating all year round by employing the following heat recovery method:

1. A 2-way ventilation design with air inlets and outlets on both sides of the units provides superior ventilation efficiency.
2. The remaining surface of the heat exchange area transfers heat energy while preventing the discharged contaminants from re-entering.
3. The system recovers up to 70 percent of the energy needed to cool or heat the environment. The efficient heat recovery maintains the indoor temperature and humidity during the winter, and prevents outdoor heat and moisture from entering indoors during the summer.

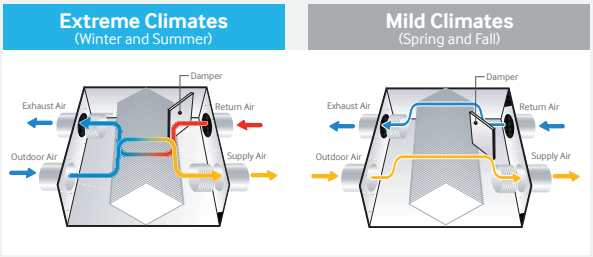
Heat Recovery Method of ERV System



ERV/ERV Plus

Auto Mode

ERV and ERV Plus automatically change operation mode, depending on the temperature difference between the indoor and outdoor environment, to conserve energy.

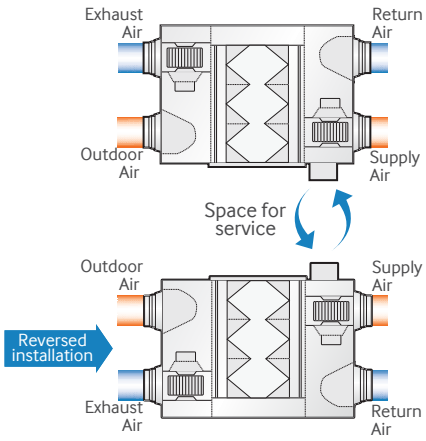


Smart C_{O2} Detection

ERV provides fresh in-room airflow by detecting CO2 with the optional CO2 Sensor. Users can also attach a humidity stat (procured locally), which detects the moisture of the room and automatically adjusts its humidity level.

Flexible Setup*

The ERV system can be installed vertically or horizontally. This installation flexibility saves time on maintenance when installing more than one unit. Users can reduce the number of service holes by installing ERV with the control box facing a single service hole (applicable to ERV only).



DVM S Outdoor Eco

SPECIFICATIONS

AM040/050/060FXMDEH/EU



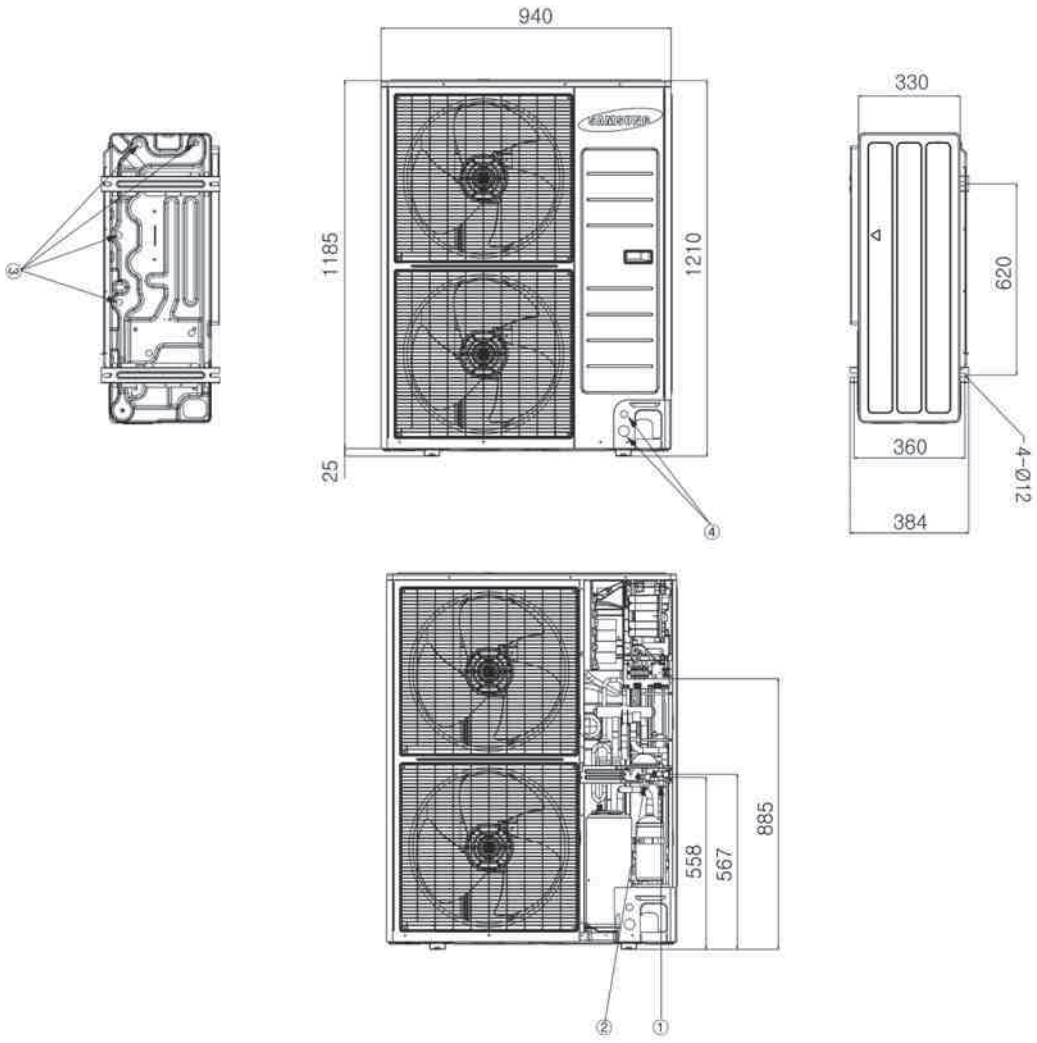
Model Code		AM040FXMDEH/EU	AM050FXMDEH/EU	AM060FXMDEH/EU
Features	Type	DVM S Eco (NEW)	DVM S Eco (NEW)	DVM S Eco (NEW)
Model Name	Outdoor Unit	AM040FXMDEH/EU	AM050FXMDEH/EU	AM060FXMDEH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance (nominal)		4.00 HP	5.00 HP	6.00 HP
Capacity	Cooling [kW]	12.10 kW	14.00 kW	15.50 kW
	Cooling [Btu/h]	41,300 Btu/h	47,800 Btu/h	52,900 Btu/h
	Heating [kW]	13.50 kW	16.00 kW	18.00 kW
	Heating [Btu/h]	46,100 Btu/h	54,600 Btu/h	61,400 Btu/h
Power Input (Nominal)	Cooling 1)	2.89 kW	3.69 kW	4.31 kW
	Heating 2)	3.02 kW	3.61 kW	4.39 kW
Current Input (Nominal)	Cooling 1)	14.00 A	17.90 A	21.00 A
	Heating 2)	15.10 A	17.20 A	20.20 A
Power	MCA [A]	22.00 (MCA) A	24.00 (MCA) A	32.00 (MCA) A
	MFA [A]	27.50 A	30.00 A	40.00 A
Energy Efficiency	EER (Nominal Cooling)	4.19	3.79	3.6
	COP (Nominal Heating)	4.47	4.43	4.1
Compressor	Type	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1
	Output (kW)	(4.12) kW	(4.12) kW	(4.12) kW
	Model	UG5T450FUEJXSG x 1	UG5T450FUEJXSG x 1	UG5T450FUEJXSG x 1
	Oil (Type)	PVE	PVE	PVE
	Oil (Initial Charge) [cc]	1700 cc	1700 cc	1700 cc
Fan	Type	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC
	Motor (Output) [W]	125.0 x 2 W	125.0 x 2 W	125.0 x 2 W
	Air Flow Rate (High / Mid / Low) [CMM]	100 CMM	100 CMM	100 CMM
	Air Flow Rate (High/Mid/Low) [L/S]	1,666.67	1,666.67	1,666.67
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	19.05 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	3/4"
	Installation Max. Length [m]	150 m	150 m	150 m
	Installation Max. Height [m]	50.0 m	50.0 m	50.0 m
Field Wiring	Power Source Wire	-	-	-
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	3.20 kg	3.20 kg	3.30 kg
Sound	Sound Pressure	50.0 dBA	51.0 dBA	53.0 dBA
	Sound Power	66.0 dBA	67.0 dBA	69.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	100.0 kg	100.0 kg	103.0 kg
	Shipping Weight (kg)	105.0 kg	105.0 kg	108.0 kg
	Net Dimensions (WxHxD) (mm)	940 x 1,210 x 330 mm	940 x 1,210 x 330 mm	940 x 1,210 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1,388 x 426 mm	995 x 1,388 x 426 mm	995 x 1,388 x 426 mm
Operating Temp. Range	Cooling (°C)	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C
	Heating (°C)	-20.0 ~ 26.0 °C	-20.0 ~ 26.0 °C	-20.0 ~ 26.0 °C

DVM S Outdoor Eco

DIMENSIONAL DRAWINGS
AM040/050/060FXMDEH/EU



Units: mm



No.	Name		Description
1	Gas ref. pipe	Ø, mm	12.1, 14.0 kW : 15.88 15.5 kW : 19.05
2	Liquid ref. pipe	Ø, mm	9.52
3	Condensate drain holes	Ø, mm	20 x 4
4	Power and communication wiring holes	Ø, mm	22.2 x 3 / 34.5 x 3

DVM S Outdoor Eco

SPECIFICATIONS

AM040/050/060FXMDGH/EU



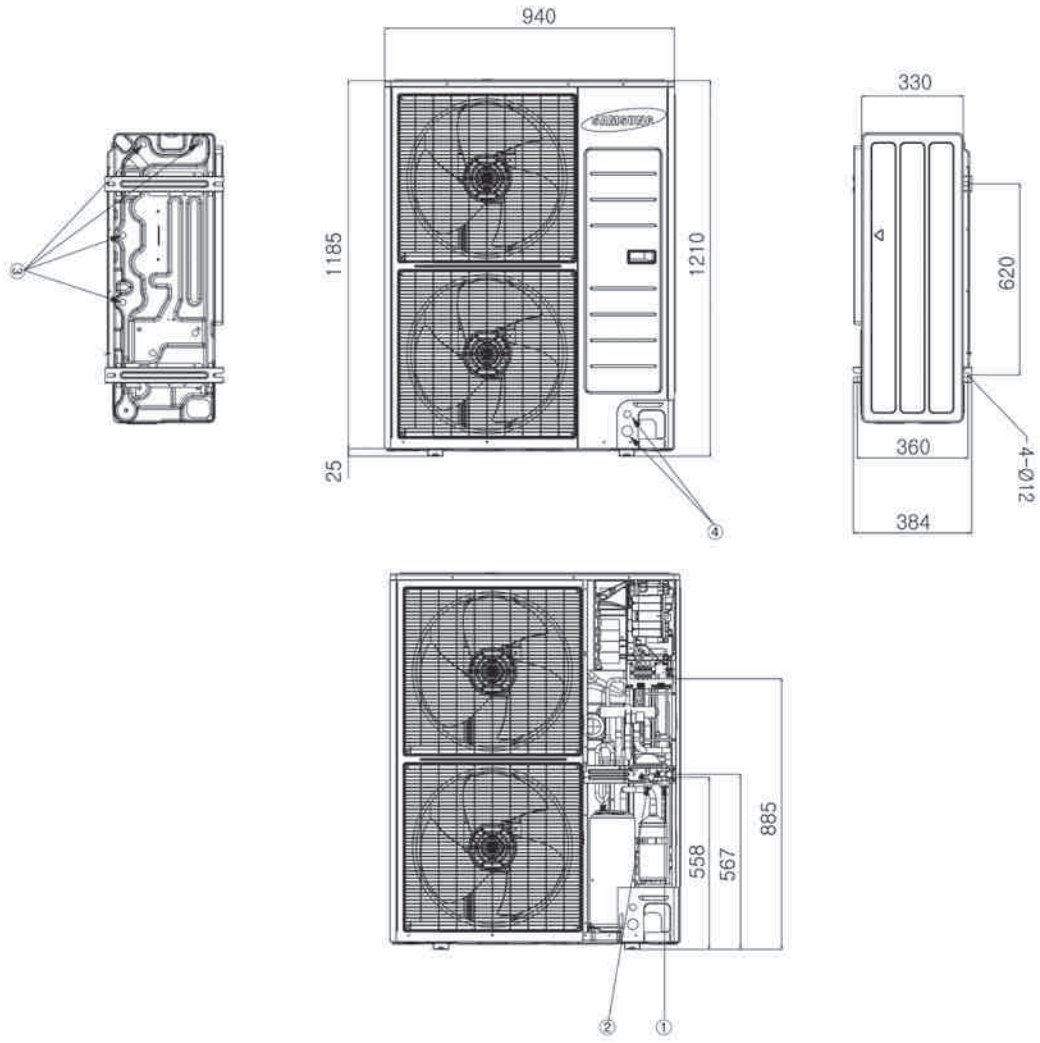
Model Code		AM040FXMDGH/EU	AM050FXMDGH/EU	AM060FXMDGH/EU
Features	Type	DVM S Eco (NEW)	DVM S Eco (NEW)	DVM S Eco (NEW)
Model Name	Outdoor Unit	AM040FXMDGH/EU	AM050FXMDGH/EU	AM060FXMDGH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance (nominal)		4.00 HP	5.00 HP	6
Capacity	Cooling [kW]	12.10 kW	14.00 kW	15.5
	Cooling [Btu/h]	41,300 Btu/h	47,800 Btu/h	52,900
	Heating [kW]	13.50 kW	16.00 kW	18
	Heating [Btu/h]	46,100 Btu/h	54,600 Btu/h	61,400
Power Input (Nominal)	Cooling 1)	2.99 kW	3.69 kW	4.31
	Heating 2)	3.02 kW	3.61 kW	4.39
Current Input (Nominal)	Cooling 1)	4.80 A	6.20 A	7.3
	Heating 2)	5.00 A	6.00 A	6.9
Power	MCA [A]	10.00 (MCA) A	12.00 (MCA) A	12.00 (MCA)
	MFA [A]	16.10 A	16.10 A	16.1
Energy Efficiency	EER (Nominal Cooling)	4.05	3.79	3.6
	COP (Nominal Heating)	4.47	4.43	4.1
Compressor	Type	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1
	Output (kW)	(4.12) kW	(4.12) kW	-4.12
	Model	UG5T450FUFJXSG x 1	UG5T450FUFJXSG x 1	UG5T450FUFJXSG x 1
	Oil (Type)	POE	POE	POE
	Oil (Initial Charge) [cc]	1700 cc	1700 cc	1700
Fan	Type	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC
	Motor (Output) [W]	125.0 x 2 W	125.0 x 2 W	125 x 2
	Air Flow Rate (High / Mid / Low) [CMM]	100 CMM	100 CMM	100
	Air Flow Rate (High/Mid/Low) [L/S]	1,666.67	1,666.67	1,666.67
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	19.05
	Gas Pipe (Φ, inch)	5/8"	5/8"	3/4"
	Installation Max. Length [m]	150 m	150 m	150(175)
	Installation Max. Height [m]	50.0 m	50.0 m	50(40)
Field Wiring	Power Source Wire	-	-	-
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	3.20 kg	3.20 kg	3.3
Sound	Sound Pressure	50.0 dBA	51.0 dBA	53
	Sound Power	66.0 dBA	67.0 dBA	69
External Dimension (Outdoor Unit)	Net Weight (kg)	100.0 kg	100.0 kg	103
	Shipping Weight (kg)	105.0 kg	105.0 kg	108
	Net Dimensions (WxHxD) (mm)	940 x 1,210 x 330 mm	940 x 1,210 x 330 mm	940 x 1,210 x 330
	Shipping Dimensions (WxHxD) (mm)	995 x 1,388 x 426 mm	995 x 1,388 x 426 mm	995 x 1,388 x 426
Operating Temp. Range	Cooling (°C)	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C
	Heating (°C)	-20.0 ~ 26.0 °C	-20.0 ~ 26.0 °C	-20.0 ~ 26.0 °C

DVM S Outdoor Eco

DIMENSIONAL DRAWINGS
AM040/050/060FXMDGH/EU



Units: mm



No.	Name		Description
1	Gas ref. pipe	Ø, mm	12.1, 14.0 kW : 15.88 15.5 kW : 19.05
2	Liquid ref. pipe	Ø, mm	9.52
3	Condensate drain holes	Ø, mm	20 x 4
4	Power and communication wiring holes	Ø, mm	22.2 x 3 / 34.5 x 3

DVM S Outdoor Eco

SPECIFICATIONS

AM080FXMDGH/EU



Model Code		AM080FXMDGH/EU
Features	Type	DVM S Eco (NEW)
Model Name	Outdoor Unit	AM080FXMDGH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50
System	Mode	HEAT PUMP
Performance (nominal)		8.00 HP
Capacity	Cooling [kW]	22.40 kW
	Cooling [Btu/h]	76,400 Btu/h
	Heating [kW]	25.00 kW
	Heating [Btu/h]	85,300 Btu/h
Power Input (Nominal)	Cooling 1)	5.72 kW
	Heating 2)	4.88 kW
Current Input (Nominal)	Cooling 1)	9.66 A
	Heating 2)	8.24 A
Power	MCA [A]	18.00 (MCA) A
	MFA [A]	25.00 A
Energy Efficiency	EER (Nominal Cooling)	3.92
	COP (Nominal Heating)	5.12
Compressor	Type	SSC Scroll x 1
	Output (kW)	(4.96) kW
	Model	DS-GB052FAVADO x 1
	Oil (Type)	PVE
	Oil (Initial Charge) [cc]	1100 cc
Fan	Type	Propeller
	Motor (Output) [W]	180.0 x 2 W
	Air Flow Rate (High / Mid / Low) [CMM]	135 CMM
	Air Flow Rate (High/Mid/Low) [L/S]	2,250.00
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"
	Gas Pipe (Φ, mm)	19.05 mm
	Gas Pipe (Φ, inch)	3/4"
	Installation Max. Length [m]	100 m
	Installation Max. Height [m]	30.0 m
Field Wiring	Power Source Wire	-
	Transmission Cable	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	3.70 kg
Sound	Sound Pressure	56.0 dBA
	Sound Power	74.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	135.0 kg
	Shipping Weight (kg)	145.0 kg
	Net Dimensions (WxHxD) (mm)	940 x 1,420 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1,578 x 426 mm
Operating Temp. Range	Cooling (°C)	-5.0 ~ 48.0 °C
	Heating (°C)	-20.0 ~ 24.0 °C

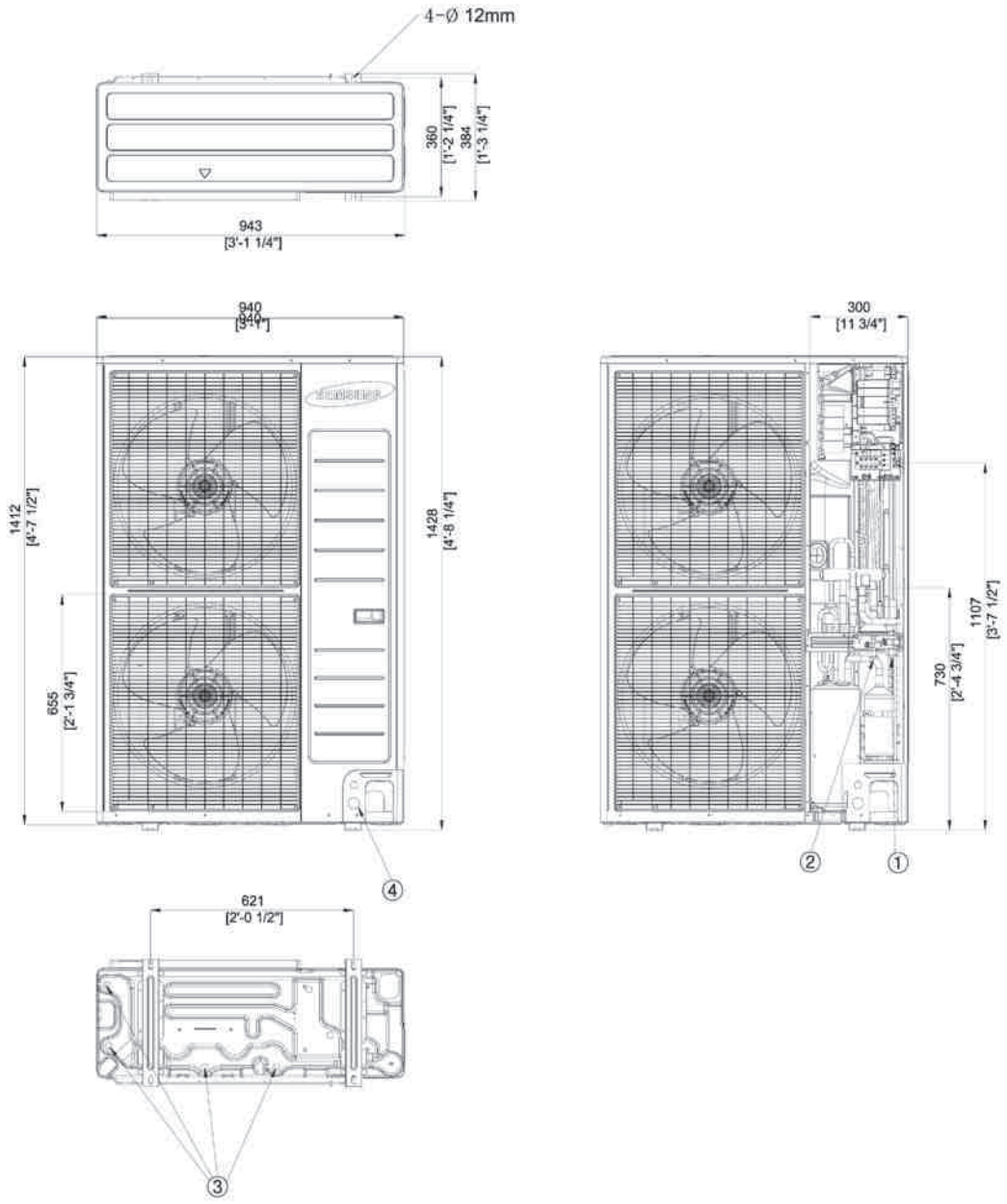
DVM S Outdoor Eco

DIMENSIONAL DRAWINGS

AM080FXMDGH/EU



Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain hole
4	Power and communication wiring conduits

DVM S Outdoor Eco

SPECIFICATIONS
AM100/120/140KXMDGH/EU



Model Code		AM100KXMDGH/EU	AM120KXMDGH/EU	AM140KXMDGH/EU
Features	Type	DVM S Eco Big	DVM S Eco Big	DVM S Eco Big
Model Name	Outdoor Unit	AM100KXMDGH/EU	AM120KXMDGH/EU	AM140KXMDGH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance (nominal)		10	12	14
Capacity	Cooling [kW]	28	33.5	40
	Cooling [Btu/h]	95500	114300	136500
	Heating [kW]	31.5	37.5	45
	Heating [Btu/h]	107500	128000	153500
Power Input (Nominal)	Cooling 1)	7.29	8.77	10.59
	Heating 2)	6.74	7.83	9.88
Current Input (Nominal)	Cooling 1)	11.51	13.74	16.48
	Heating 2)	10.58	12.23	15.55
Power	MCA [A]	21.5	23.5	32
	MFA [A]	30	30	40
Energy Efficiency	EER (Nominal Cooling)	3.84	3.82	3.78
	COP (Nominal Heating)	4.67	4.79	4.55
Compressor	Type	Scroll Inverter	Scroll Inverter	Scroll Inverter
	Output (kW)	5.18 x 1	6.39 x 1	6.76 x 1
	Model	DS-GB052FAVB	DS-GB066FAVB	DS-GB070FAVA
	Oil (Type)	PVE	PVE	PVE
	Oil (Initial Charge) [cc]	1100	1100	1100
Fan	Type	Propeller	Propeller	Propeller
	Motor (Output) [W]	244*2	244*2	244*2
	Air Flow Rate (High / Mid / Low) [CMM]	165 / 177	166 / 190	180 / 201
	Air Flow Rate (High/Mid/Low) [L/S]	-	-	-
Piping Connections	Liquid Pipe (Φ, mm)	9.52	12.7	12.7
	Liquid Pipe (Φ, inch)	3/8"	1/2"	1/2"
	Gas Pipe (Φ, mm)	22.22	28.58	28.58
	Gas Pipe (Φ, inch)	7/8"	1+1/8"	1+1/8"
	Installation Max. Height [m]	50.0 m	50.0 m	50.0 m
Field Wiring	Power Source Wire	-	-	-
	Transmission Cable	-	-	-
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	3.7 kg	4.3 kg	4.8 kg
Sound	Sound Pressure	58.0 dBA	59.0 dBA	62.0 dBA
	Sound Power	TBD	TBD	TBD
External Dimension (Outdoor Unit)	Net Weight (kg)	145.0 kg	155.0 kg	162.0 kg
	Shipping Weight (kg)	158.0 kg	168.0 kg	175.0 kg
	Net Dimensions (WxHxD) (mm)	940 x 1,630 x 460 mm	940 x 1,630 x 460 mm	940 x 1,630 x 460 mm
	Shipping Dimensions (WxHxD) (mm)	1,020 x 1,820 x 575 mm	1,020 x 1,820 x 575 mm	1,020 x 1,820 x 575 mm
Operating Temp. Range	Cooling (°C)	-5 ~ 52 °C	-5 ~ 52 °C	-5 ~ 52 °C
	Heating (°C)	-25 ~ 24 °C	-25 ~ 24 °C	-25 ~ 24 °C

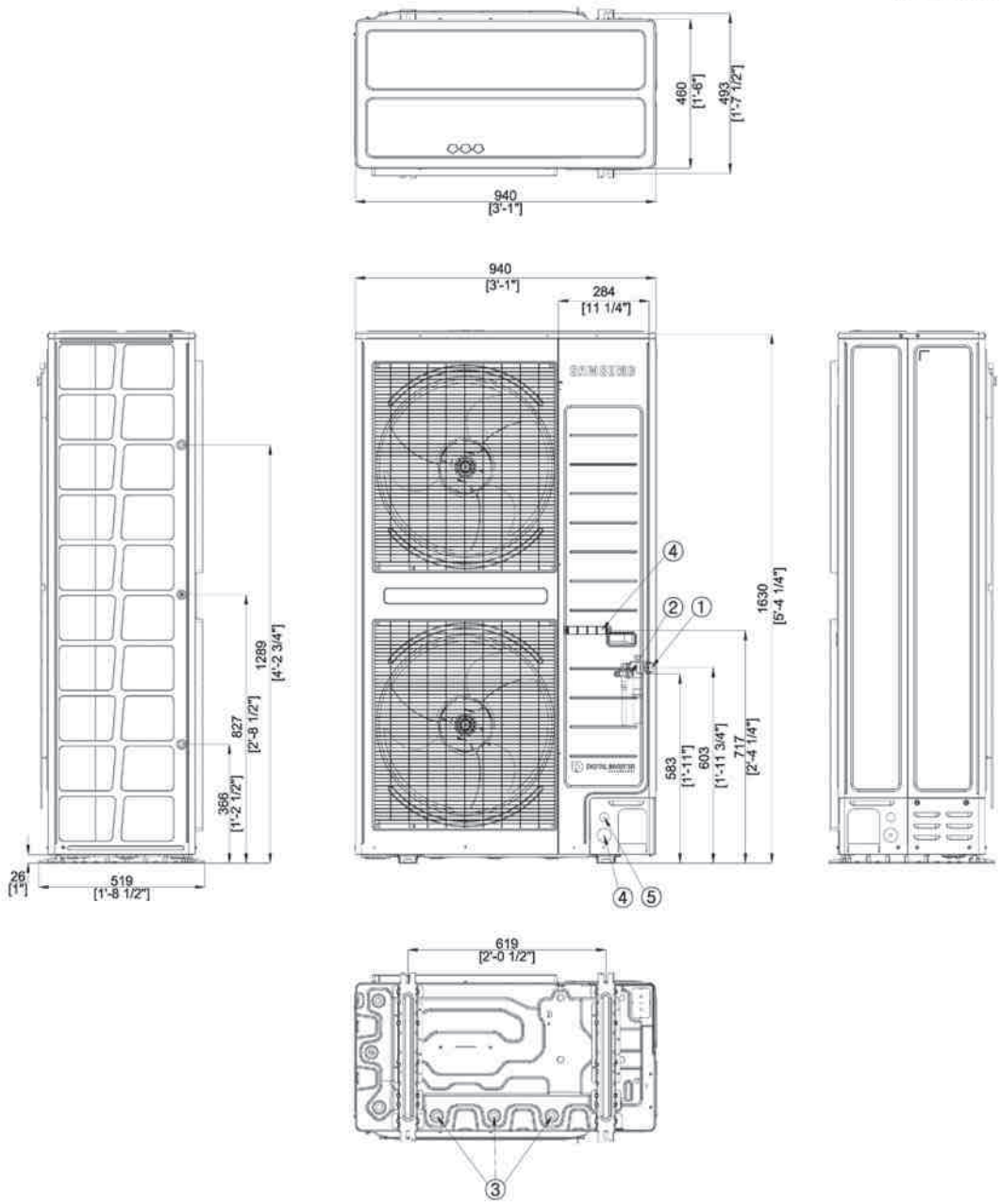
DVM S Outdoor Eco

DIMENSIONAL DRAWINGS

AM100/120/140KXMDGH/EU



Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain hole
4	Power wiring conduit
5	Communication wiring conduits

DVM S Outdoor Standard

SPECIFICATIONS

AM080/100/120JXVAGH/EU



Model Code		AM080JXVAGH/EU	AM100JXVAGH/EU	AM120JXVAGH/EU
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Model Name	Outdoor Unit	AM080JXVAGH/EU	AM100JXVAGH/EU	AM120JXVAGH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance (nominal)		8.00 HP	10.00 HP	12.00 HP
Capacity	Cooling [kW]	22.40 kW	28.00 kW	33.60 kW
	Cooling [Btu/h]	76,400 Btu/h	95,500 Btu/h	114,600 Btu/h
	Heating [kW]	25.20 kW	31.50 kW	37.80 kW
	Heating [Btu/h]	86,000 Btu/h	107,500 Btu/h	129,000 Btu/h
Power Input (Nominal)	Cooling 1)	5.00 kW	6.85 kW	8.16 kW
	Heating 2)	5.10 kW	6.65 kW	8.03 kW
Current Input (Nominal)	Cooling 1)	8.00 A	11.00 A	13.1 A
	Heating 2)	8.20 A	10.70 A	12.90 A
Power	MCA [A]	22.50 (MCA) A	29.90 (MCA) A	31.30 (MCA) A
	MFA [A]	30.00 A	40.00 A	40.00 A
Energy Efficiency	EER (Nominal Cooling)	4.48	4.09	4.12
	COP (Nominal Heating)	4.94	4.74	4.71
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1
	Output (kW)	- kW	- kW	- kW
	Model	DS-GA046FAVA x 1	DS-GB066FAVB x 1	DS-GB066FAVB x 1
	Oil (Type)	PVE	PVE	PVE
	Oil (Initial Charge) [cc]	- cc	- cc	- cc
Fan	Type	Propeller	Propeller	Propeller
	Motor (Output) [W]	830.0 x 1 W	830.0 x 1 W	830.0 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	170 CMM	170 CMM	220 CMM
	Air Flow Rate (High/Mid/Low) [L/S]	2,833.33	2,833.33	3,666.67
	External Static Pressure (Min / Std / Max) [mmAq]	8.00 mmAq	8.00 mmAq	8.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	78.45 Pa	78.45 Pa	78.45 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	12.70 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	1/2"
	Gas Pipe (Φ, mm)	19.05 mm	22.22 mm	28.58 mm
	Gas Pipe (Φ, inch)	3/4"	7/8"	1 1/8"
	Installation Max. Length [m]	220 m	220 m	220 m
	Installation Max. Height [m]	110 m	110 m	110 m
Field Wiring	Power Source Wire	-	-	-
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	5.50 kg	5.50 kg	6.50 kg
Sound	Sound Pressure	57.0 dBA	58.0 dBA	62.0 dBA
	Sound Power	77.0 dBA	79.0 dBA	81.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	186.0 kg	197.0 kg	210.0 kg
	Shipping Weight (kg)	202.0 kg	213.0 kg	223.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 1,695 x 765 mm	880 x 1,695 x 765 mm	880 x 1,695 x 765 mm
	Shipping Dimensions (WxHxD) (mm)	948 x 1,887 x 832 mm	948 x 1,887 x 832 mm	948 x 1,887 x 832 mm
Operating Temp. Range	Cooling (°C)	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C
	Heating (°C)	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C

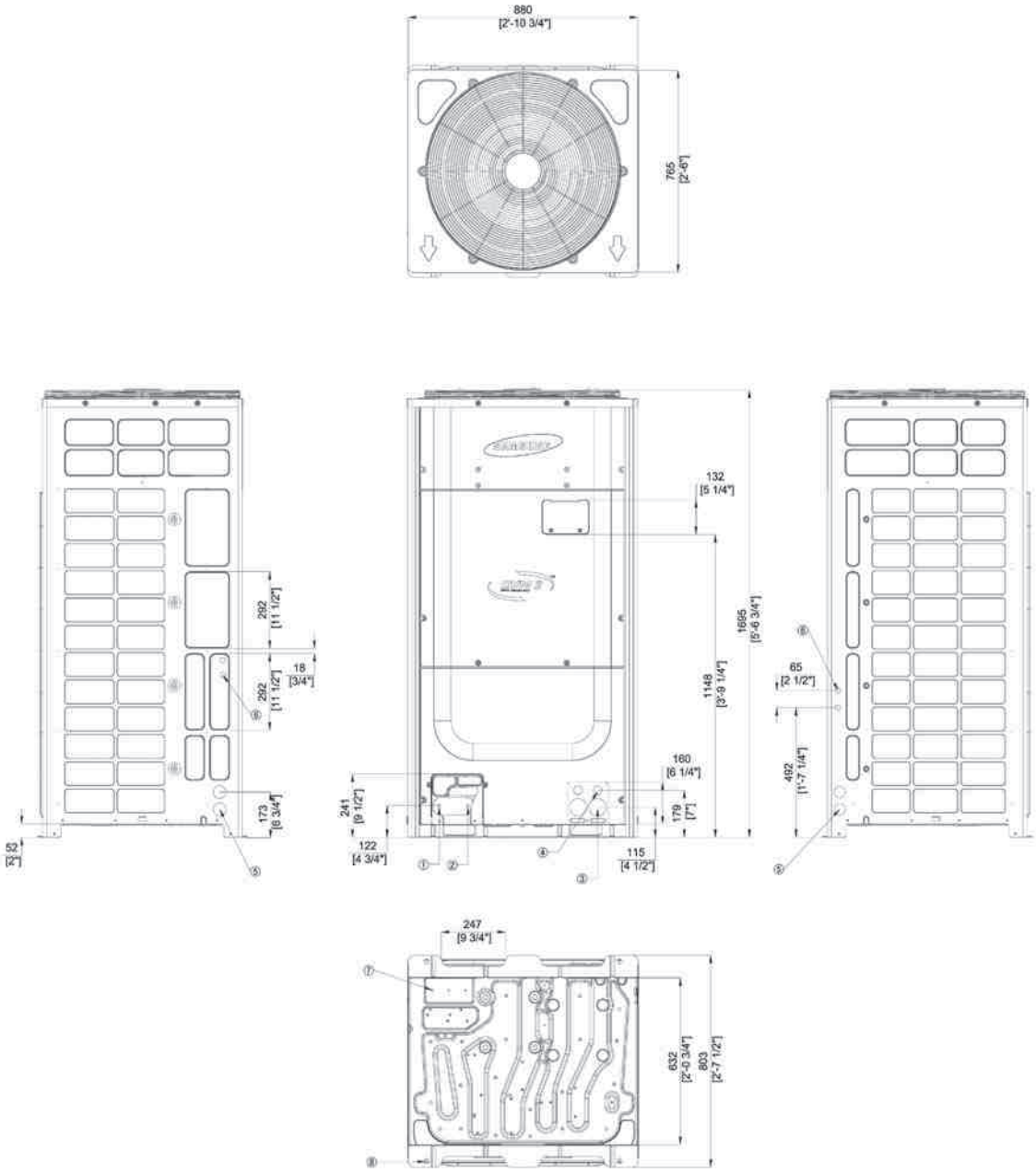
DVM S Outdoor Standard

DIMENSIONAL DRAWINGS

AM080/100/120JXVAGH/EU



Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Power wiring conduit
4	Communication wiring conduit
5	Power wiring conduit
6	Communication wiring conduit
7	Knock-out hole for ref. piping
8	Anchor bolt hole

DVM S Outdoor Standard

SPECIFICATIONS

AM140/160/180/200/220JXVAGH/EU



Model Code		AM140JXVAGH/EU	AM160JXVAGH/EU	AM180JXVAGH/EU	AM200JXVAGH/EU	AM220JXVAGH/EU
Features	Type	DVM S (NEW)	DVM S(NEW)	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Model Name	Outdoor Unit	AM140JXVAGH/EU	AM160JXVAGH/EU	AM180JXVAGH/EU	AM200JXVAGH/EU	AM220JXVAGH/EU
Power Supply (Outdoor Unit) [Φ, ⌀, 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
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance (nominal)		14.00 HP	16.00 HP	18.00 HP	20.00 HP	22.00 HP
Capacity	Cooling [kW]	40.00 kW	45.00 kW	50.40 kW	56.00 kW	61.60 kW
	Cooling [Btu/h]	136,500 Btu/h	153,500 Btu/h	172,000 Btu/h	191,100 Btu/h	210,200 Btu/h
	Heating [kW]	45.00 kW	50.40 kW	56.70 kW	63.00 kW	69.30 kW
	Heating [Btu/h]	153,500 Btu/h	172,000 Btu/h	193,500 Btu/h	215,000 Btu/h	236,500 Btu/h
Power Input (Nominal)	Cooling 1)	10.93 kW	11.98 kW	12.45 kW	14.59 kW	17.35 kW
	Heating 2)	10.15 kW	11.60 kW	11.90 kW	13.90 kW	16.70 kW
Current Input (Nominal)	Cooling 1)	17.50 A	19.20 A	20.00 A	23.40 A	27.80 A
	Heating 2)	16.30 A	18.60 A	19.10 A	22.30 A	26.80 A
Power	MCA [A]	31.30 (MCA) A	40.00 (MCA) A	48.90 (MCA) A	52.50 (MCA) A	55.60 (MCA) A
	MFA [A]	40.00 A	40.00 A	50.00 A	75.00 A	75.00 A
Energy Efficiency	EER (Nominal Cooling)	3.66	3.76	4.05	3.84	3.55
	COP (Nominal Heating)	4.43	4.34	4.76	4.53	4.15
Compressor	Type	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
	Output (kW)	- kW	- kW	- kW	- kW	- kW
	Model	DS-GB066FAVB x 1	DS-GA046FAVA x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2
	Oil (Type)	PVE	PVE	PVE	PVE	PVE
	Oil (Initial Charge) [cc]	- cc	- cc	- cc	- cc	- cc
Fan	Type	Propeller	Propeller	Propeller	Propeller	Propeller
	Motor (Output) [W]	620.0 x 2 W	620.0 x 2 W	620.0 x 2 W	620.0 x 2 W	620.0 x 2 W
	Air Flow Rate (High / Mid / Low) [CMM]	255 CMM	255 CMM	290 CMM	290 CMM	290 CMM
	Air Flow Rate (High/Mid/Low) [L/S]	4,250.00	4,250.00	4,833.33	4,833.33	4,833.33
	External Static Pressure (Min / Std / Max) [mmAq]	8.00 mmAq	8.00 mmAq	8.00 mmAq	8.00 mmAq	8.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	78.45 Pa	78.45 Pa	78.45 Pa	78.45 Pa	78.45 Pa
Piping Connections	Liquid Pipe (Φ, mm)	12.70 mm	12.70 mm	15.88 mm	15.88 mm	15.88 mm
	Liquid Pipe (Φ, inch)	1/2"	1/2"	5/8"	5/8"	5/8"
	Gas Pipe (Φ, mm)	28.58 mm	28.58 mm	28.58 mm	28.58 mm	28.58 mm
	Gas Pipe (Φ, inch)	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
	Installation Max. Length [m]	220 m	220 m	220 m	220 m	220 m
	Installation Max. Height [m]	110 m	110 m	110 m	110 m	110 m
Field Wiring	Power Source Wire	-	-	-	-	-
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	7.70 kg	7.70 kg	8.40 kg	8.40 kg	8.40 kg
Sound	Sound Pressure	61.0 dBA	63.0 dBA	64.0 dBA	65.0 dBA	66.0 dBA
	Sound Power	81.0 dBA	83.0 dBA	86.0 dBA	87.0 dBA	89.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	239.0 kg	269.0 kg	307.0 kg	307.0 kg	307.0 kg
	Shipping Weight (kg)	258.0 kg	288.0 kg	326.0 kg	326.0 kg	326.0 kg
	Net Dimensions (WxHxD) (mm)	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm
	Shipping Dimensions (WxHxD) (mm)	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm
Operating Temp. Range	Cooling (°C)	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C
	Heating (°C)	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C	-25.0 ~ 24.0°C	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C

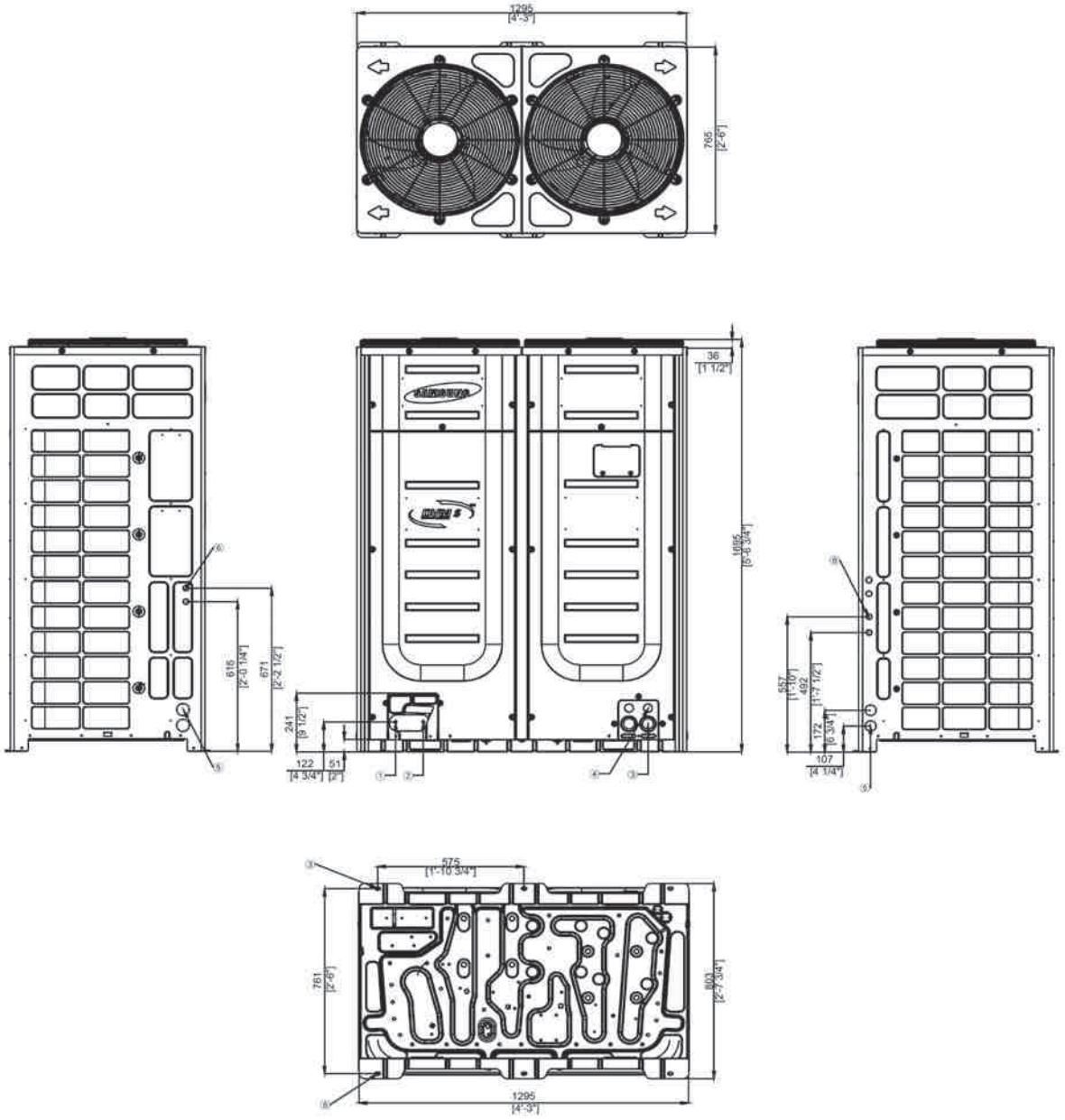
DVM S Outdoor Standard

DIMENSIONAL DRAWINGS

AM140/160/180/200/220JXVAGH/EU



Units: mm



No.	Name
1	Gas ref. pipe
2	Liquid ref. pipe
3	Power wiring conduit
4	Communication wiring conduit
5	Power wiring conduit
6	Communication wiring conduit
7	Knock-out hole for ref. piping
8	Anchor bolt hole

DVM S Outdoor High EER (Heat Pump)

SPECIFICATIONS

AM080/120JXVHGH/EU



Model Code		AM080JXVHGH/EU	AM120JXVHGH/EU
Features	Type	DVM S (NEW)	DVM S (NEW)
Model Name	Outdoor Unit	AM080JXVHGH/EU	AM120JXVHGH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50
System	Mode	HEAT PUMP	HEAT PUMP
Performance (nominal)		8.00 HP	12.00 HP
Capacity	Cooling [kW]	22.40 kW	33.60 kW
	Cooling [Btu/h]	76,400 Btu/h	114,600 Btu/h
	Heating [kW]	25.20 kW	37.80 kW
	Heating [Btu/h]	86,000 Btu/h	129,000 Btu/h
Power Input (Nominal)	Cooling 1)	4.59 kW	7.57 kW
	Heating 2)	4.59 kW	7.56 kW
Current Input (Nominal)	Cooling 1)	7.40 A	12.10 A
	Heating 2)	7.40 A	12.10 A
Power	MCA [A]	22.50 (MCA) A	31.30 (MCA) A
	MFA [A]	30.00 A	40.00 A
Energy Efficiency	EER (Nominal Cooling)	4.88	4.44
	COP (Nominal Heating)	5.49	5
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1
	Output (kW)	(5.18) kW	(6.39) kW
	Model	DS-GB052FAVB x 1	DS-GB066FAVB x 1
	Oil (Type)	PVE	PVE
	Oil (Initial Charge) [cc]	1100 cc	1100 cc
Fan	Type	Propeller	Propeller
	Motor (Output) [W]	830.0 x 1 W	830.0 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	170 CMM	220 CMM
	Air Flow Rate (High/Mid/Low) [L/S]	2,833.33	3,666.67
	External Static Pressure (Min / Std / Max) [mmAq]	8.00 mmAq	8.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	78.45 Pa	78.45 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	12.70 mm
	Liquid Pipe (Φ, inch)	3/8"	1/2"
	Gas Pipe (Φ, mm)	19.05 mm	28.58 mm
	Gas Pipe (Φ, inch)	3/4"	1 1/8"
	Installation Max. Length [m]	220 m	220 m
	Installation Max. Height [m]	110.0 m	110.0 m
Field Wiring	Power Source Wire	-	-
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	6.50 kg	6.50 kg
Sound	Sound Pressure	57.0 dBA	62.0 dBA
	Sound Power	77.0 dBA	81.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	201.0 kg	201.0 kg
	Shipping Weight (kg)	217.0 kg	217.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 1,695 x 765 mm	880 x 1,695 x 765 mm
	Shipping Dimensions (WxHxD) (mm)	948 x 1,887 x 832 mm	948 x 1,887 x 832 mm
Operating Temp. Range	Cooling (°C)	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C
	Heating (°C)	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C

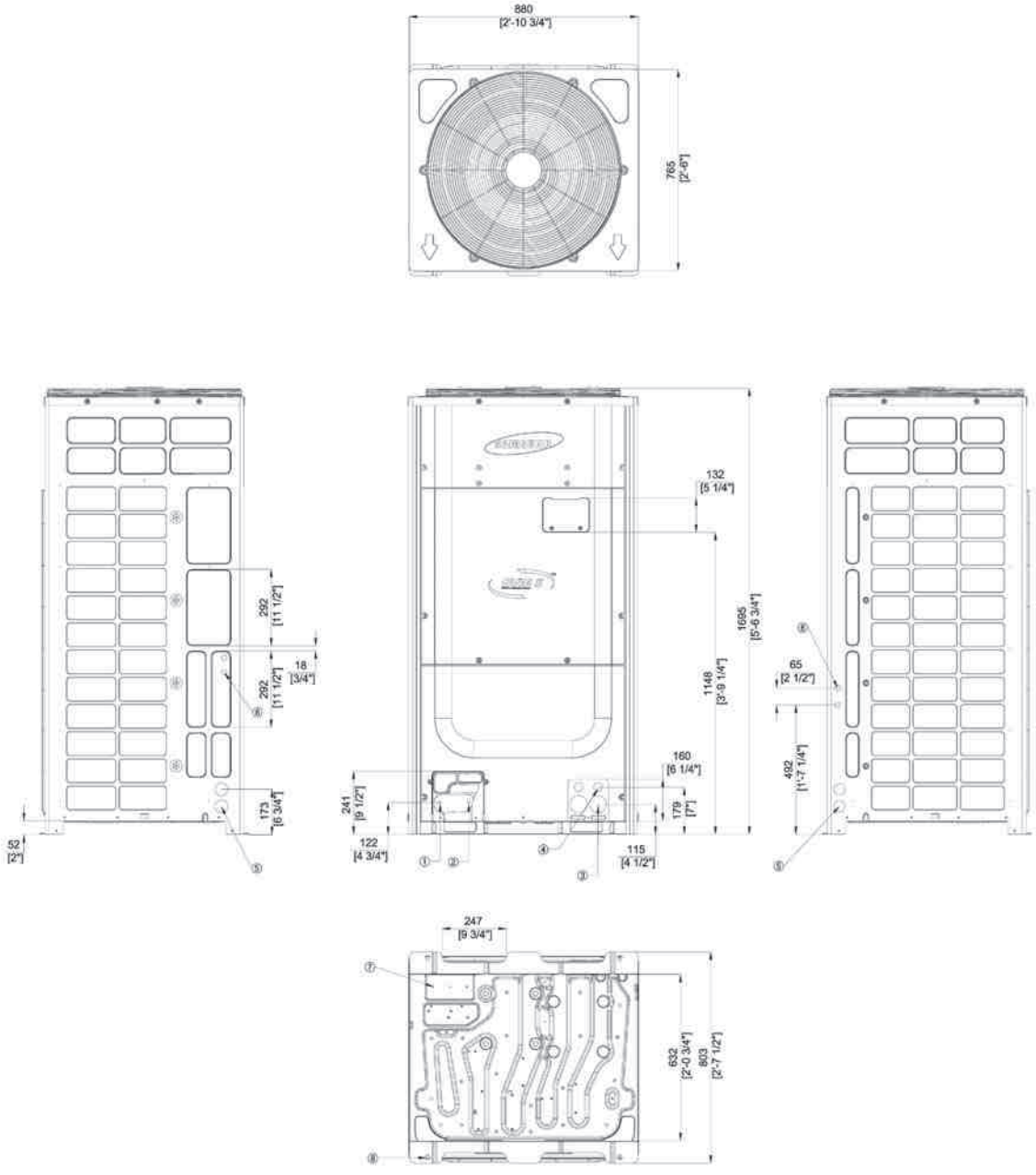
DVM S Outdoor High EER (Heat Pump)

DIMENSIONAL DRAWINGS

AM080/120JXVHGH/EU



Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Power wiring conduit
4	Communication wiring conduit
5	Power wiring conduit
6	Communication wiring conduit
7	Knock-out hole for ref. piping
8	Anchor bolt hole

DVM S Outdoor High EER (Heat Pump)

SPECIFICATIONS

AM140/160/180/200/220JXVHGH/EU



Model Code		AM140JXVHGH/EU	AM160JXVHGH/EU	AM180JXVHGH/EU	AM200JXVHGH/EU	AM220JXVHGH/EU
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Model Name	Outdoor Unit	AM140JXVHGH/EU	AM160JXVHGH/EU	AM180JXVHGH/EU	AM200JXVHGH/EU	AM220JXVHGH/EU
Power Supply (Outdoor Unit) [Φ, #, 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
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance (nominal)		14.00 HP	16.00 HP	18.00 HP	20.00 HP	22.00 HP
Capacity	Cooling [kW]	40.00 kW	45.00 kW	50.40 kW	56.00 kW	61.60 kW
	Cooling [Btu/h]	136,500 Btu/h	153,500 Btu/h	172,000 Btu/h	191,100 Btu/h	210,200 Btu/h
	Heating [kW]	45.00 kW	50.40 kW	56.70 kW	63.00 kW	69.30 kW
	Heating [Btu/h]	153,500 Btu/h	172,000 Btu/h	193,500 Btu/h	215,000 Btu/h	236,500 Btu/h
Power Input (Nominal)	Cooling 1)	10.55 kW	10.92 kW	11.51 kW	13.05 kW	15.75 kW
	Heating 2)	9.72 kW	10.75 kW	11.62 kW	13.10 kW	15.86 kW
Current Input (Nominal)	Cooling 1)	16.90 A	17.50 A	18.50 A	20.90 A	25.30 A
	Heating 2)	15.60 A	17.20 A	18.60 A	21.00 A	25.40 A
Power	MCA [A]	31.30 (MCA) A	40.00 (MCA) A	48.90 (MCA) A	52.50 (MCA) A	55.60 (MCA) A
	MFA [A]	40.00 A	40.00 A	50.00 A	75.00 A	75.00 A
Energy Efficiency	EER (Nominal Cooling)	3.79	4.12	4.38	4.29	3.91
	COP (Nominal Heating)	4.63	4.69	4.88	4.81	4.37
Compressor	Type	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
	Output (kW)	(6.39) kW	(4.39x2) kW	(6.39x2) kW	(6.39x2) kW	(6.39x2) kW
	Model	DS-GB066FAVB x 1	DS-GA046FAVA x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2
	Oil (Type)	PVE	PVE	PVE	PVE	PVE
	Oil (Initial Charge) [cc]	1100 cc	900 cc	1100 cc	1100 cc	1100 cc
Fan	Type	Propeller	Propeller	Propeller	Propeller	Propeller
	Motor (Output) [W]	620.0 x 2 W	620.0 x 2 W	620.0 x 2 W	620.0 x 2 W	620.0 x 2 W
	Air Flow Rate (High / Mid / Low) [CMM]	255 CMM	255 CMM	290 CMM	290 CMM	290 CMM
	Air Flow Rate (High/Mid/Low) [L/S]	4,500.00	4,500.00	5,000.00	5,000.00	5,000.00
	External Static Pressure (Min / Std / Max) [mmAq]	8.00 mmAq	8.00 mmAq	8.00 mmAq	8.00 mmAq	8.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	78.45 Pa	78.45 Pa	78.45 Pa	78.45 Pa	78.45 Pa
Piping Connections	Liquid Pipe (Φ, mm)	12.70 mm	12.70 mm	15.88 mm	15.88 mm	15.88 mm
	Liquid Pipe (Φ, inch)	1/2"	1/2"	5/8"	5/8"	5/8"
	Gas Pipe (Φ, mm)	28.58 mm	28.58 mm	28.58 mm	28.58 mm	28.58 mm
	Gas Pipe (Φ, inch)	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
	Installation Max. Length [m]	220 m	220 m	220 m	220 m	220 m
	Installation Max. Height [m]	110.0 m	110.0 m	110.0 m	110.0 m	110.0 m
Field Wiring	Power Source Wire	-	-	-	-	-
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	7.70 kg	7.70 kg	8.40 kg	8.40 kg	8.40 kg
Sound	Sound Pressure	61.0 dBA	62.0 dBA	63.0 dBA	64.0 dBA	65 dBA
	Sound Power	81.0 dBA	82 dBA	85 dBA	86 dBA	88 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	235 kg	266 kg	300.0 kg	300.0 kg	300.0 kg
	Shipping Weight (kg)	254 kg	285 kg	319.0 kg	319.0 kg	319.0 kg
	Net Dimensions (WxHxD) (mm)	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm
	Shipping Dimensions (WxHxD) (mm)	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm
Operating Temp. Range	Cooling (°C)	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C	-5.0 ~ 48.0 °C
	Heating (°C)	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C

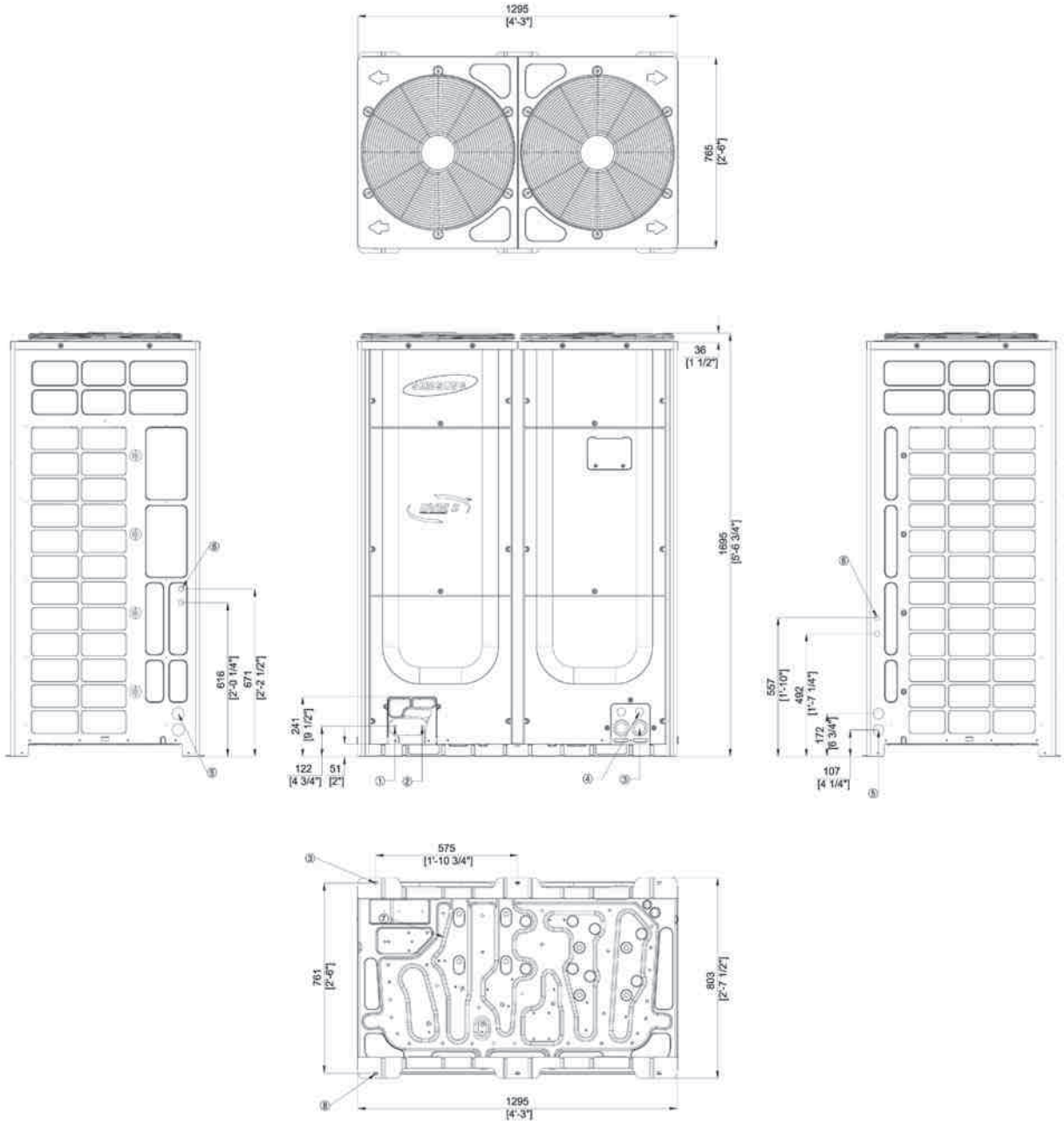
DVM S Outdoor High EER (Heat Pump)

DIMENSIONAL DRAWINGS

AM140/160/180/200/220JXVHGH/EU



Units: mm



No.	Name
1	Gas ref. pipe
2	Liquid ref. pipe
3	Power wiring conduit
4	Communication wiring conduit
5	Power wiring conduit
6	Communication wiring conduit
7	Knock-out hole for ref. piping
8	Anchor bolt hole

DVM S Outdoor High EER (Heat Recovery)

SPECIFICATIONS

AM080/100/120JXVHGR/EU



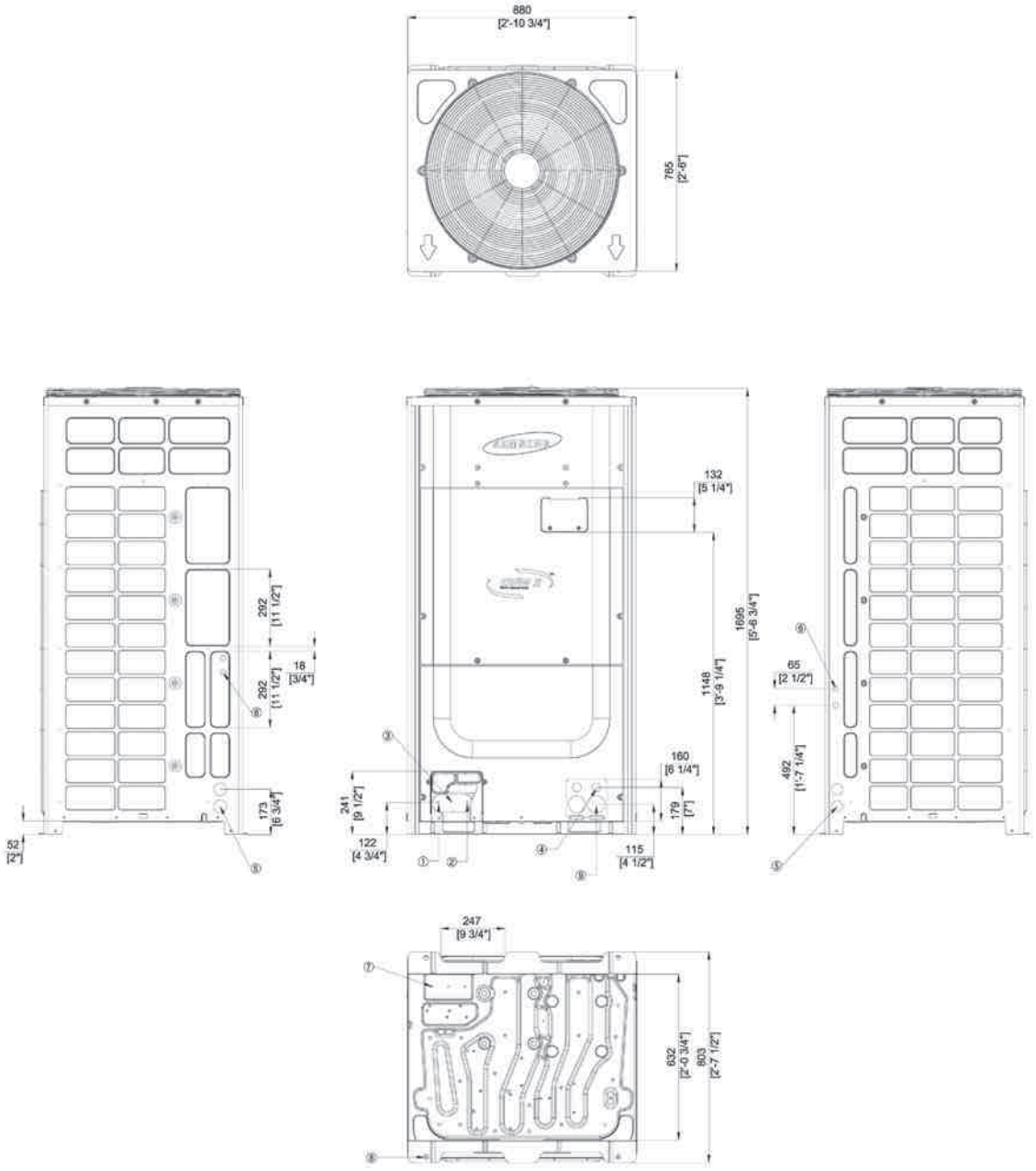
Model Code		AM080JXVHGR/EU	AM100JXVHGR/EU	AM120JXVHGR/EU
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Model Name	Outdoor Unit	AM080JXVHGR/EU	AM100JXVHGR/EU	AM120JXVHGR/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	HEAT Recovery	HEAT Recovery	HEAT Recovery
Performance (nominal)		8.00 HP	10.00 HP	12.00 HP
Capacity	Cooling [kW]	22.40 kW	28.00 kW	33.60 kW
	Cooling [Btu/h]	76,400 Btu/h	95,500 Btu/h	114,600 Btu/h
	Heating [kW]	25.20 kW	31.50 kW	37.80 kW
	Heating [Btu/h]	86,000 Btu/h	107,500 Btu/h	129,000 Btu/h
Power Input (Nominal)	Cooling 1)	4.59 kW	6.22 kW	7.57 kW
	Heating 2)	4.59 kW	5.89 kW	7.56 kW
Current Input (Nominal)	Cooling 1)	7.40 A	10.00 A	12.10 A
	Heating 2)	7.40 A	9.4 A	12.10 A
Power	MCA [A]	22.50 (MCA) A	29.90 (MCA) A	31.30 (MCA) A
	MFA [A]	30.00 A	40.00 A	40.00 A
Energy Efficiency	EER (Nominal Cooling)	4.88	4.5	4.44
	COP (Nominal Heating)	5.49	5.35	5
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1
	Output (kW)	(5.18) kW	(6.39) kW	(6.39) kW
	Model	DS-GB052FAVB x 1	DS-GB066FAVB x 1	DS-GB066FAVB x 1
	Oil (Type)	PVE	PVE	PVE
	Oil (Initial Charge) [cc]	1100 cc	1100 cc	1100 cc
Fan	Type	Propeller	Propeller	Propeller
	Motor (Output) [W]	830.0 x 1 W	830.0 x 1 W	830.0 x 1 W
	Air Flow Rate (High / Mid / Low) [CMM]	170 CMM	170 CMM	220 CMM
	Air Flow Rate (High/Mid/Low) [L/S]	2,833.33	2,833.33	3,666.67
	External Static Pressure (Min / Std / Max) [mmAq]	8.00 mmAq	8.00 mmAq	8.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	78.45 Pa	78.45 Pa	78.45 Pa
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	12.70 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	1/2"
	Gas Pipe (Φ, mm)	19.05 mm	22.22 mm	28.58 mm
	Gas Pipe (Φ, inch)	3/4"	7/8"	1 1/8"
	Installation Max. Length [m]	220 m	220 m	220 m
	Installation Max. Height [m]	110.0 m	110.0 m	110.0 m
Field Wiring	Power Source Wire	-	-	-
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	6.50 kg	6.50 kg	6.50 kg
Sound	Sound Pressure	57.0 dBA	58.0 dBA	62.0 dBA
	Sound Power	77.0 dBA	79.0 dBA	81.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	206.0 kg	206.0 kg	206.0 kg
	Shipping Weight (kg)	222.0 kg	222.0 kg	222.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 1,695 x 765 mm	880 x 1,695 x 765 mm	880 x 1,695 x 765 mm
	Shipping Dimensions (WxHxD) (mm)	948 x 1,887 x 832 mm	948 x 1,887 x 832 mm	948 x 1,887 x 832 mm
Operating Temp. Range	Cooling (°C)	-15.0 ~ 48.0 °C	-15.0 ~ 48.0 °C	-15.0 ~ 48.0 °C
	Heating (°C)	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C

DVM S Outdoor High EER (Heat Recovery)

DIMENSIONAL DRAWINGS
AM080/100/120JXVHGR/EU



Units: mm



No.	Name
1	Low pressure gas pipe
2	High pressure gas pipe
3	Liquid pipe
4	Communication wiring conduit
5	Power wiring conduit
6	Communication wiring conduit
7	Knock-out hole for ref. piping
8	Anchor bolt hole
9	Power wiring conduit

DVM S Outdoor High EER (Heat Recovery)

SPECIFICATIONS

AM140/160/180/200/220JXVHGR/EU



Model Code		AM140JXVHGR/EU	AM160JXVHGR/EU	AM180JXVHGR/EU	AM200JXVHGR/EU	AM220JXVHGR/EU
Features	Type	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)	DVM S (NEW)
Model Name	Outdoor Unit	AM140JXVHGR/EU	AM160JXVHGR/EU	AM180JXVHGR/EU	AM200JXVHGR/EU	AM220JXVHGR/EU
Power Supply (Outdoor Unit) [Φ, ⌀, 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
System	Mode	HEAT Recovery	HEAT Recovery	HEAT Recovery	HEAT Recovery	HEAT Recovery
Performance (nominal)		14.00 HP	16.00 HP	18.00 HP	20.00 HP	22.00 HP
Capacity	Cooling [kW]	40.00 kW	45.00 kW	50.40 kW	56.00 kW	61.60 kW
	Cooling [Btu/h]	136,500 Btu/h	153,500 Btu/h	172,000 Btu/h	191,100 Btu/h	210,200 Btu/h
	Heating [kW]	45.00 kW	50.40 kW	56.70 kW	63.00 kW	69.30 kW
	Heating [Btu/h]	153,500 Btu/h	172,000 Btu/h	193,500 Btu/h	215,000 Btu/h	236,500 Btu/h
Power Input (Nominal)	Cooling 1)	10.55 kW	10.92 kW	11.51 kW	13.05 kW	15.75 kW
	Heating 2)	9.72 kW	10.75 kW	11.62 kW	13.10 kW	15.86 kW
Current Input (Nominal)	Cooling 1)	16.90 A	17.50 A	18.50 A	20.90 A	25.30 A
	Heating 2)	15.60 A	17.20 A	18.60 A	21.00 A	25.40 A
Power	MCA [A]	31.30 (MCA) A	40.00 (MCA) A	48.90 (MCA) A	52.50 (MCA) A	55.60 (MCA) A
	MFA [A]	40.00 A	40.00 A	50.00 A	75.00 A	75.00 A
Energy Efficiency	EER (Nominal Cooling)	3.79	4.12	4.38	4.29	3.91
	COP (Nominal Heating)	4.63	4.69	4.88	4.81	4.37
Compressor	Type	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
	Output (kW)	(6.39) kW	(4.39x2) kW	(6.39x2) kW	(6.39x2) kW	(6.39x2) kW
	Model	DS-GB066FAVB x 1	DS-GA046FAVA x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2	DS-GB066FAVB x 2
	Oil (Type)	PVE	PVE	PVE	PVE	PVE
	Oil (Initial Charge) [cc]	1100 cc	900 cc	1100 cc	1100 cc	1100 cc
Fan	Type	Propeller	Propeller	Propeller	Propeller	Propeller
	Motor (Output) [W]	620.0 x 2 W	620.0 x 2 W	620.0 x 2 W	620.0 x 2 W	620.0 x 2 W
	Air Flow Rate (High / Mid / Low) [CMM]	255 CMM	255 CMM	290 CMM	290 CMM	290 CMM
	Air Flow Rate (High/Mid/Low) [L/S]	4,250.00	4,250.00	4,833.33	5,000.00	4,833.33
	External Static Pressure (Min / Std / Max) [mmAq]	8.00 mmAq	8.00 mmAq	8.00 mmAq	8.00 mmAq	8.00 mmAq
	External Static Pressure (Min / Std / Max) [Pa]	78.45 Pa	78.45 Pa	78.45 Pa	78.45 Pa	78.45 Pa
Piping Connections	Liquid Pipe (Φ, mm)	12.70 mm	12.70 mm	15.88 mm	15.88 mm	15.88 mm
	Liquid Pipe (Φ, inch)	1/2"	1/2"	5/8"	5/8"	5/8"
	Gas Pipe (Φ, mm)	28.58 mm	28.58 mm	28.58 mm	28.58 mm	28.58 mm
	Gas Pipe (Φ, inch)	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
	Installation Max. Length [m]	220 m	220 m	220 m	220 m	220 m
	Installation Max. Height [m]	110.0 m	110.0 m	110.0 m	110.0 m	110.0 m
Field Wiring	Power Source Wire	-	-	-	-	-
	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	7.70 kg	7.70 kg	8.40 kg	8.40 kg	8.40 kg
Sound	Sound Pressure	61.0 dBA	62.0 dBA	63.0 dBA	64.0 dBA	65 dBA
	Sound Power	81.0 dBA	82 dBA	85 dBA	86 dBA	88 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	241 kg	272 kg	306.0 kg	306.0 kg	306.0 kg
	Shipping Weight (kg)	260 kg	291 kg	325.0 kg	325.0 kg	325.0 kg
	Net Dimensions (WxHxD) (mm)	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm	1,295 x 1,695 x 765 mm
	Shipping Dimensions (WxHxD) (mm)	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm	1,363 x 1,887 x 832 mm
Operating Temp. Range	Cooling (°C)	-15.0 ~ 48.0 °C	-15.0 ~ 48.0 °C	-15.0 ~ 48.0 °C	-15.0 ~ 48.0 °C	-15.0 ~ 48.0 °C
	Heating (°C)	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C	-25.0 ~ 24.0 °C

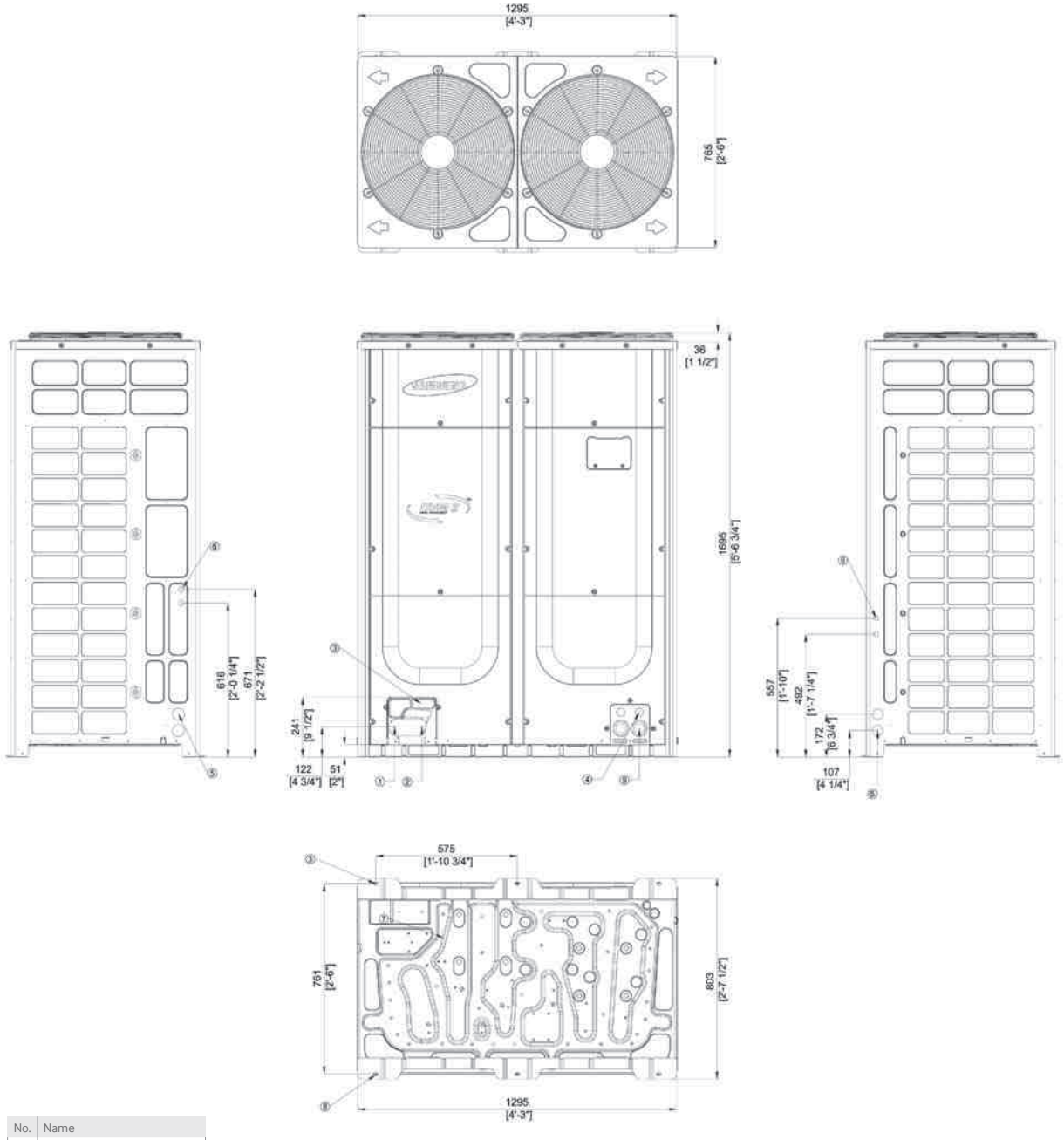
DVM S Outdoor High EER (Heat Recovery)

DIMENSIONAL DRAWINGS

AM140/160/180/200/220JXVHGR/EU



Units: mm



No.	Name
1	Low pressure gas ref. pipe
2	High pressure gas ref. pipe
3	Liquid ref. pipe
4	Communication wiring conduit
5	Power wiring conduit
6	Communication wiring conduit
7	Knock-out hole for ref. piping
8	Anchor bolt hole
9	Power wiring conduit

DVM S Outdoor Water

SPECIFICATIONS
AM080/100/120FXWANR/EU



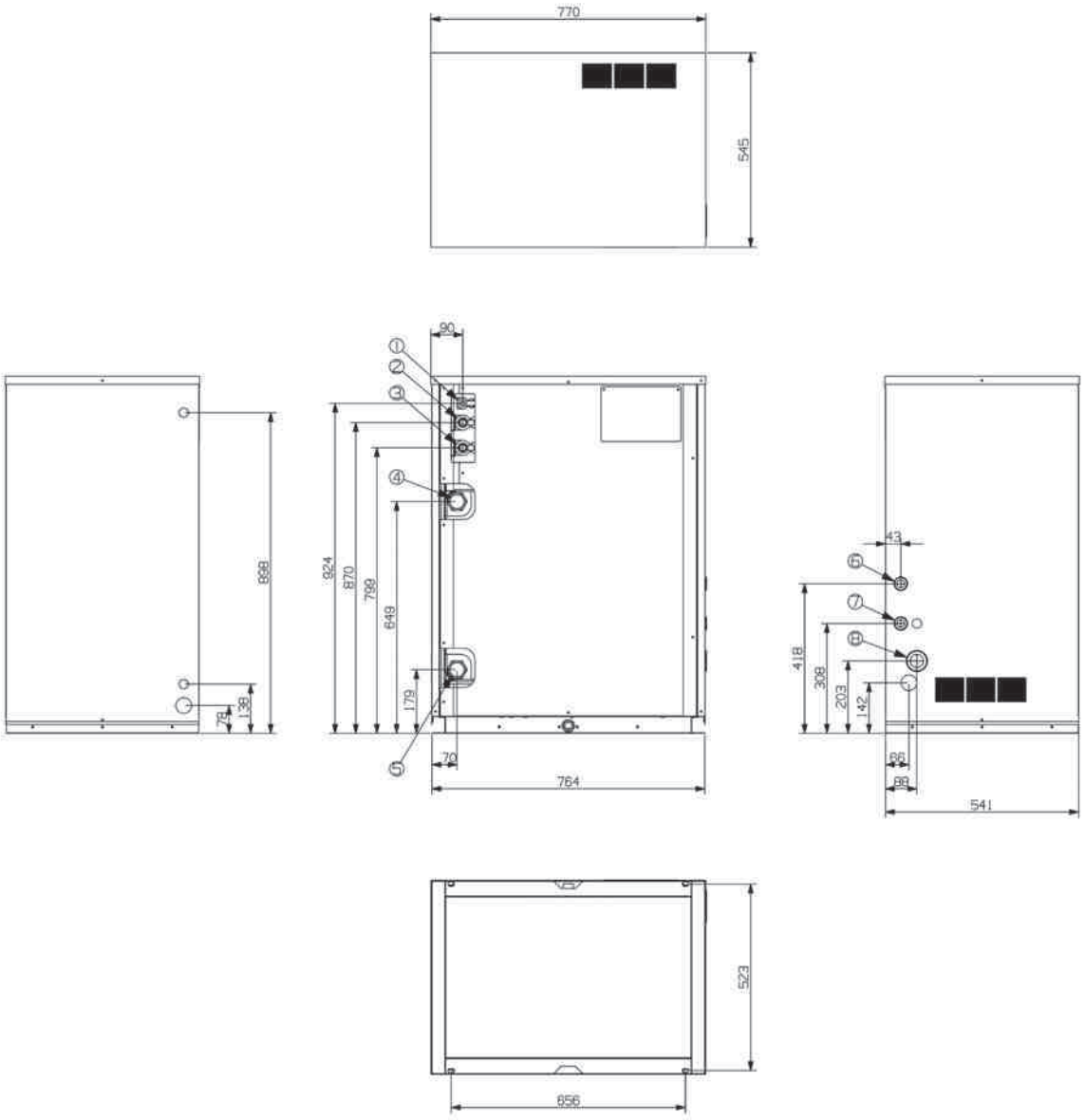
Model Code		AM080FXWANR/EU	AM100FXWANR/EU	AM120FXWANR/EU
Features	Type	DVM S Water (New)	DVM S Water and GEO (NEW)	DVM S Water and GEO (NEW)
Model Name	Outdoor Unit	AM080FXWANR/EU	AM100FXWANR/EU	AM120FXWANR/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60
System	Mode	HEAT PUMP and HEAT RECOVERY	HEAT PUMP	HEAT RECOVERY
Performance (nominal)		8.00 HP	10.00 HP	12.00 HP
Capacity	Cooling [kW]	22.40 kW	28.00 kW	33.60 kW
	Cooling [Btu/h]	76,400 Btu/h	95,500 Btu/h	114,600 Btu/h
	Heating [kW]	25.20 kW	31.50 kW	37.80 kW
	Heating [Btu/h]	86,000 Btu/h	107,500 Btu/h	129,000 Btu/h
Power Input (Nominal)	Cooling 1)	3.84 W	5.05 W	6.46 W
	Heating 2)	4.12 W	5.25 W	6.51 W
Current Input (Nominal)	Cooling 1)	6.20 A	8.10 A	10.30 A
	Heating 2)	6.60 A	8.40 A	10.40 A
Power	MCA [A]	16.30 (MCA) A	20.00 (MCA) A	25.00 (MCA) A
	MFA [A]	20.00 A	20.00 A	30.00 A
Energy Efficiency	EER (Nominal Cooling)	5.83	5.54	5.2
	COP (Nominal Heating)	6.12	6	5.81
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1
	Output (kW)	(4.96) kW	(5.18) kW	(6.39) kW
	Model	DS-GB052FAVBSG x 1	DS-GB052FAVB x 1	DS-GB066FAVB x 1
	Oil (Type)	PVE	PVE	PVE
	Oil (Initial Charge) [cc]	3900 cc	1100 cc	1100 cc
Condenser	Type	PHE (Stainless Steel Plate)	PHE (Stainless Steel Plate)	PHE (Stainless Steel Plate)
	Pipe Size (Φ, inch)	1 1/4""	32.0"	32.0"
	Lost Head (kPa)	22	30	43
	Water Flow Rate (LPM)	80.0 LPM	96.0 LPM	114.0 LPM
	Max. Pressure (Mpa)	1.96	1.96	1.96
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	12.70 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	1/2"
	Gas Pipe (Φ, mm)	19.05 mm	22.22 mm	28.58 mm
	Gas Pipe (Φ, inch)	3/4"	7/8"	1 1/8"
	Installation Max. Length [m]	170(190) m	170 m	170 m
	Installation Max. Height [m]	50.0(40.0) m	50.0 m	50.0 m
Field Wiring	Power Source Wire	2.5	2.5	4
	Transmission Cable	0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	5.50 kg	5.80 kg	6.00 kg
Sound	Sound Pressure	48.0 dBA	48.0 dBA	50.0 dBA
	Sound Power	70.0 dBA	70.0 dBA	70.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	160.0 kg	160.0 kg	160.0 kg
	Shipping Weight (kg)	167.0 kg	167.0 kg	167.0 kg
	Net Dimensions (WxHxD) (mm)	770 x 1,000 x 545 mm	770 x 1,000 x 545 mm	770 x 1,000 x 545 mm
	Shipping Dimensions (WxHxD) (mm)	840 x 1,200 x 620 mm	840 x 1,200 x 620 mm	840 x 1,200 x 620 mm
Operating Temp. Range	Cooling (°C)	10.0 ~ 45.0 °C	10.0 ~ 45.0 °C	10.0 ~ 45.0 °C
	Heating (°C)	10.0 ~ 45.0 °C	10.0 ~ 45.0 °C	10.0 ~ 45.0 °C

DVM S Outdoor Water

DIMENSIONAL DRAWINGS
AM080/100/120FXWANR/EU



Units: mm



No.	Name	Description		
		8HP	10HP	12HP
1	Liquid ref. pipe	9.52 (3/8")	9.52 (3/8")	12.70 (1/2")
2	High pressure gas ref. pipe	15.88 (5/8")	19.05 (3/4")	19.05 (3/4")
3	Low pressure gas ref. pipe	19.05 (3/4")	22.22 (7/8")	28.58 (1 1/8")
4	Water outlet pipe	PT 1-1/4		
5	Water inlet pipe	PT 1-1/4		
6	External contact wiring	-		
7	Communication wiring	-		
8	Power wiring	-		

DVM S Outdoor Water

SPECIFICATIONS

AM200FXWANR/EU



Model Code		AM200FXWANR/EU
Features	Type	AM200FXWANR/EU
Model Name	Outdoor Unit	AM200FXWANR/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50/60
System	Mode	HEAT PUMP
Performance (nominal)		15.92 HP
Capacity	Cooling [kW]	56.00 kW
	Cooling [Btu/h]	191,100 Btu/h
	Heating [kW]	63.00 kW
	Heating [Btu/h]	215,000 Btu/h
Power Input (Nominal)	Cooling 1)	10.77 W
	Heating 2)	10.86 W
Current Input (Nominal)	Cooling 1)	17.30 A
	Heating 2)	17.40 A
Power	MCA [A]	39.80 (MCA) A
	MFA [A]	40.00 A
Energy Efficiency	EER (Nominal Cooling)	5.2
	COP (Nominal Heating)	5.8
Compressor	Type	SSC Scroll x 2
	Output (kW)	(5.18x2) kW
	Model	DS-GB052FAVB x 2
	Oil (Type)	PVE
	Oil (Initial Charge) [cc]	2200 cc
Condenser	Type	PHE (Stainless Steel Plate)
	Pipe Size (Φ, inch)	32.0"
	Lost Head (kPa)	54
	Water Flow Rate (LPM)	190.0 LPM
	Max. Pressure (Mpa)	1.96
Piping Connections	Liquid Pipe (Φ, mm)	15.88 mm
	Liquid Pipe (Φ, inch)	5/8"
	Gas Pipe (Φ, mm)	28.58 mm
	Gas Pipe (Φ, inch)	1 1/8"
	Installation Max. Length [m]	170 m
	Installation Max. Height [m]	50.0 m
Field Wiring	Power Source Wire	4
	Transmission Cable	0.75 ~ 1.25
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	9.80 kg
Sound	Sound Pressure	51.0 dBA
	Sound Power	73.0 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	240.0 kg
	Shipping Weight (kg)	250.0 kg
	Net Dimensions (WxHxD) (mm)	1,100 x 1,000 x 545 mm
	Shipping Dimensions (WxHxD) (mm)	1,170 x 1,200 x 620 mm
Operating Temp. Range	Cooling (°C)	10.0 ~ 45.0 °C
	Heating (°C)	10.0 ~ 45.0 °C

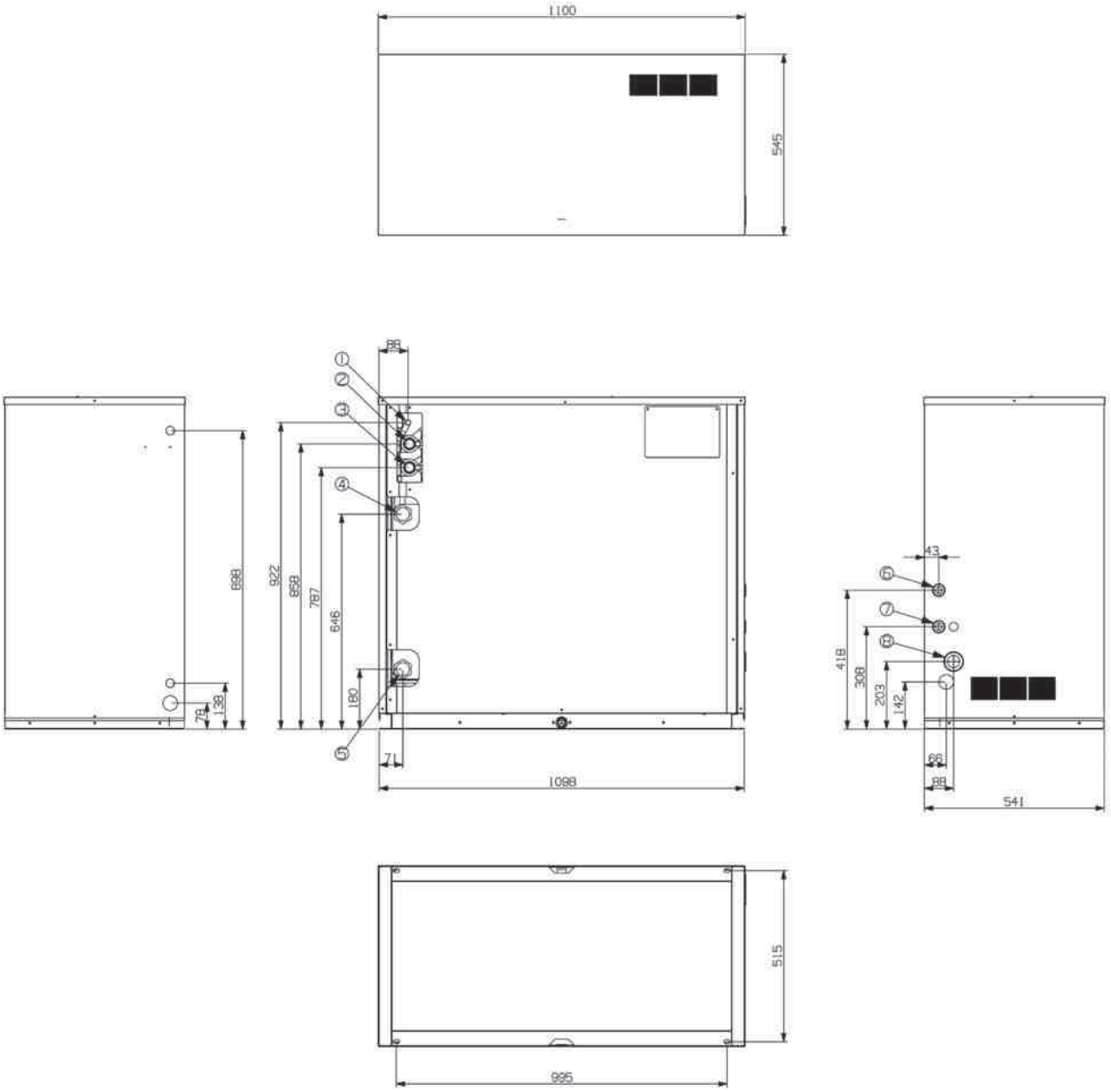
DVM S Outdoor Water

DIMENSIONAL DRAWINGS

AM200FXWANR/EU

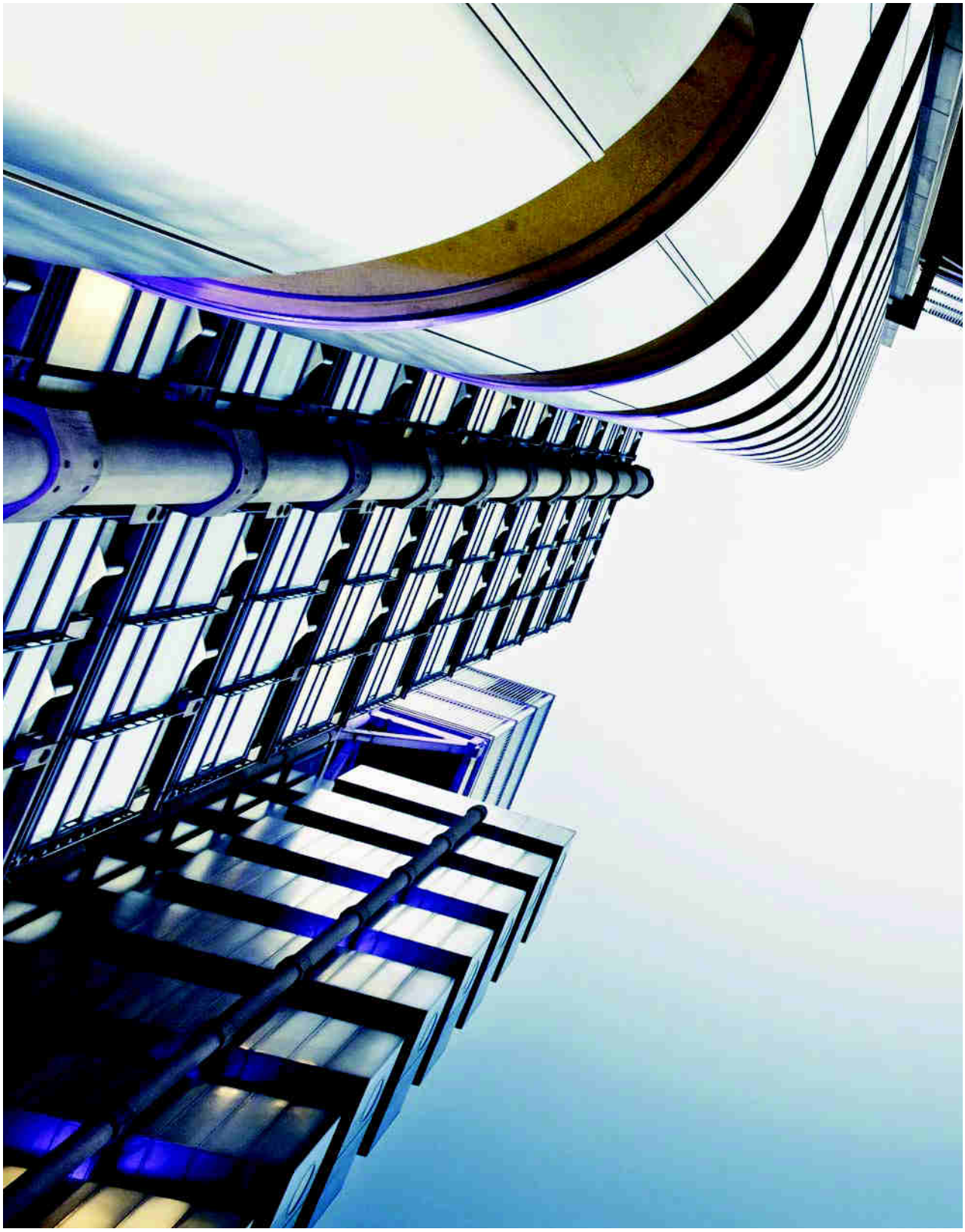


Units: mm



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	PT 1-1/4
5	Water inlet pipe	PT 1-1/4
6	External contact wiring	-
7	Communication wiring	-
8	Power wiring	-

Controls



Control System

Overview

Samsung Control System offers convenient, centralised control of individual indoor units or entire groups of multiple units. Using a variety of controls, users can centrally manage and control multiple functions for the units.

Integrated Management

Samsung's Integrated Management System provides the easiest way to manage a large number of air conditioning units at once. This integrated system helps users control, monitor, manage and maintain every little detail of their air conditioning needs.

Supporting convenient and optimised management, Samsung's Integrated Management System is an ideal solution for managing large and middle-sized buildings with many indoor and outdoor units.

Building Management

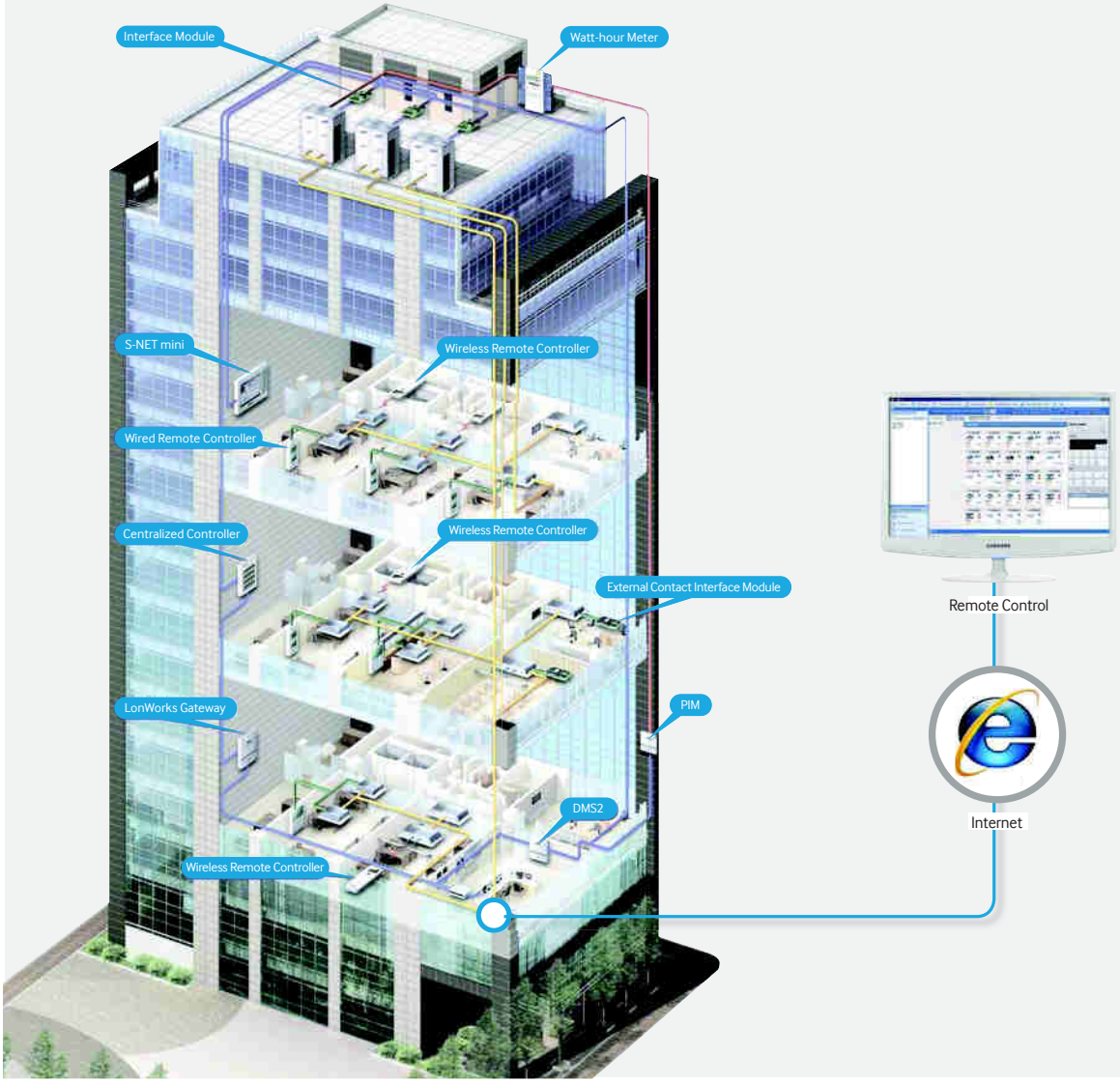
Samsung Building Management System (BMS) makes it possible to control and monitor the air conditioning network using the remote control and monitoring function. Optimum control keeps the air conditioning system efficient, saves energy, reduces maintenance costs and extends the lifespan of the units.

Applications Tailored to Your Needs

Samsung System Air Conditioner products include a full spectrum of offerings so users can find the most convenient, efficient air conditioning system to suit their needs.

System Controller

Samsung's control system offers various control options for indoor units. Users can control multiple units individually or simultaneously in groups to optimise convenience. On/Off controllers or interface modules.



Controls

Line-up

Classification	Model Code	Image	Description	Application
Individual Control	MR-DH00		Wireless Remote Controller	Heat pump wireless controller for use on all units with infrared receivers
	MWR-WE10N		Wired Remote Controller	Full function wired controller for use with all indoor units, ERV and AHU
	MWR-SH10N			Touch screen, simplified wired controller for use in hotel applications
	MWR-SH00N			Simplified wired controller for use in hotel applications
	MRK-A10N		Wireless Signal Receiver	Ducted unit wireless receiver unit
	MIM-H03N		Wi-Fi Controller	Wi-Fi module to control units from afar using mobile device
	MRW-TA		External Remote Temp. Sensor	External room sensor with 12m lead
Centralised Control	MCM-A300N		Centralised Controller	Touch-screen central controller – full function up to 64 indoor units
Building Management	MIM-D00AN		DMS 2	Programmable Mini BMS – 256 indoor units, full control, inputs/outputs
	MST-P3P		S-NET 3	PC web server to control and monitor up to 4,096 units via DMS2 modules
	MIM-B18		Lonworks G/W	DMS2 with built-in Lonworks BMS gateway
	MIM-B17		BACnet G/W	DMS2 with built-in BACnet BMS gateway
Power Monitoring	MIM-B16N		Electricity Meter Power Monitoring	Power monitoring module for DMS2 – up to 8 Watt/hr meters
	MCM-C210N			To allow individual VRF unit power interruption without error, i.e., hotel bedrooms, apartments
External Contact Interface	MIM-B14		External Contact Interface	On/Off operation control and Run/Fault indication interface
Converter	MIM-N01 and MIM-N10		NASA Converter	Interface previous generation RS485 communication protocol with current NASA protocol
	MIM-C02N		S-Net Converter	Diagnostic software interface

Controls

Individual Control

Wireless Remote Controller | MR-DH00

- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- Simple schedule control
- Individual blade control for 4way cassette models
- Multi-channel wireless remote control (maximum 4 channels)



Wired Remote Controller | MWR-WE10N

- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- Individual and group control (maximum 16 indoor units)
- Error display
- Built-in Room Temperature sensor
- Automatic stop mode
- Wireless remote control restriction
- Unified controller (AC, ERV, ERV PLUS, AHU)
- Different permission levels
- Weekly schedule setting (A/C, ERV, A/C+ERV)
- Exception date setting
- Individual blade control for 4way cassette models
- MWR-WW00N (for DVM S Hydro)



Simplified Wired Remote Controller | MWR-SH00N/MWR-SH10N

- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- Individual and group control (maximum 16 indoor units)
- Error display
- Mode selection protection
- Touch screen control (MWR-SH10N)



Wi-Fi Control Module | MIM-H03N

- Control via mobile app (available to download)
- On/Off, Operation Mode, Fan Speed, Airflow, Temperature Setting
- 7-Day schedule setting
- Energy monitoring



Wireless Signal Receiver | MRK-A10N

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



External Room Sensor | MRW-TA

- External sensor to sense exact user environment temperature
- Wire length: 12m



Controls

Centralised Control

Touch Centralised Controller | MCM-A300N

- 7-inch Colour Capacitive Touch Screen
- Easy and Intuitive UI
- Individual/Zone control, Scheduling, Energy saving control
- Emergency operation control by external contact
- Control up to 128 indoor units
- DS card for programming and data download



Easy and Intuitive UI

- Various icons based on equipment and operation condition
- Smart phone style user-friendly control
- Individual/group management



Control and Monitoring

- Easy to check each device's status using colour and icon
- Large-size icons for ease of use
- High and low temperature limitation settings
- Individual unit restriction settings



Zone Management for multiple units

- Manage up to 12 zones
- Simply control zones with one button
- Set unique zone description icons to easily recognise each zone
- Easily bind multiple indoor units to create a zone



Schedule Control

- Set up to 10 operation schedules
- Apply these schedules to any unit or zone
- Create operation events for each schedule, including: temperature setting, mode and fan speed



Controls

Building Management – Server

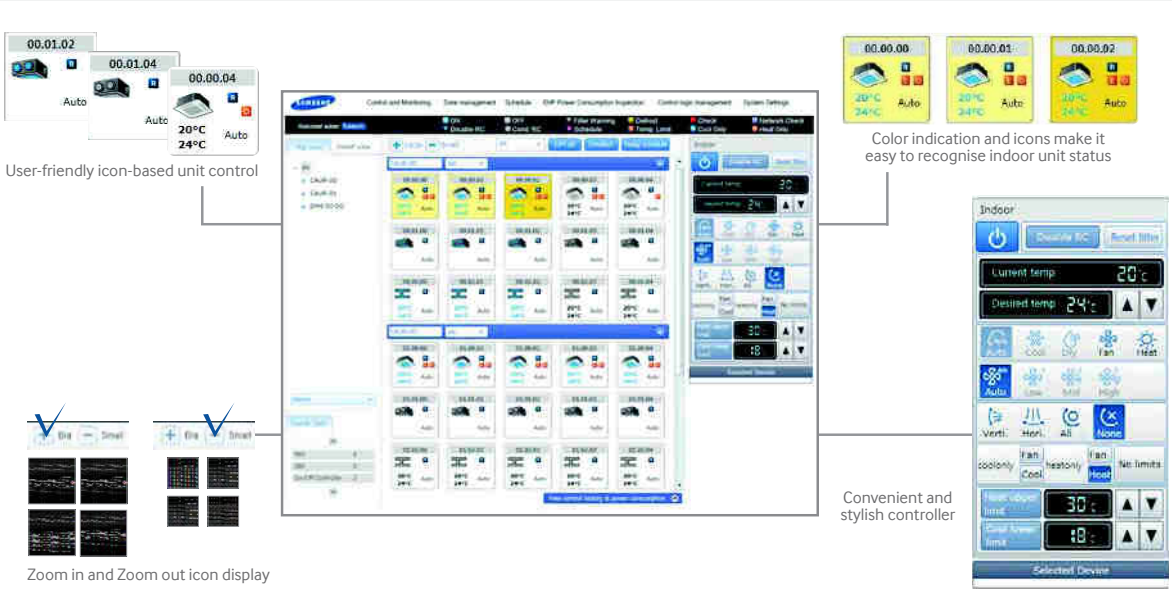
DMS 2 (Data Management Server) | MIM-D00AN

The improved Data Management Server has become smarter: it can manage a variety of different air conditioning units, and the newly upgraded functions can automatically manage the air conditioning system for you.



- Built-in web server for PC-independent management and remote access control
- Multiple upper-level control access (S-NET 3, S-NET Mini, Web-client)
- Central management of up to 256 indoor units including ERV, ERV PLUS and AHU
- User-editable control logic
- Accessible level management
- Dynamic security management
- Operation and error history management
- Weekly/Daily schedule control
- Power distribution function
- Current time management even during power failure (for 24 hours)
- Data storage in non-volatile memory and SD memory
- Emergency stop function with simple contact interface
- 8 External inputs and 6 outputs provide control and monitoring for third-party devices

Enhanced Graphical Display



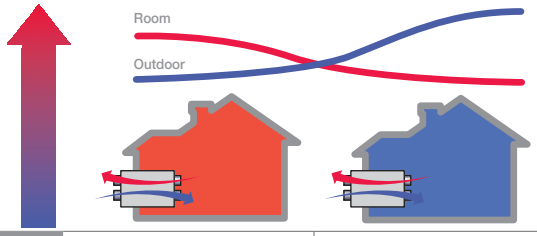
Controls

Building Management – Server

DMS 2 Mini-BMS

Programmable Control Logic

- The user can control the air conditioning, ERV, AHI and digital outputs using an arithmetic equation and conditional operators/ parameters from the equipment operating conditions including volt-free inputs from external equipment.
- Control logic can utilise the 8 external inputs and 6 outputs, permitting interaction between air conditioning and third-party devices.
- Using this powerful functionality, energy can be efficiently used and reduced for various operation conditions.



Logic	Outdoor temp < Room temp	Room temp < Outdoor temp
Control	Turn ON ERV (Cool air Intake UP)	Turn ON Air Conditioner

EHP / ERV / AHU Parameters

Temperature, Power, Mode...

AND OR



Outdoor temp < 10	Outdoor temp > 25
Heating mode	Cooling mode

Arithmetic Equation Function

<, >, =, =>, =<, Average

EHP / ERV / AHU Parameters change

Setting temperature, Power, Mode, Fan speed...

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

Easy Control and Monitoring

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



Specification		Attribute/Function
Indoor Unit Connection	(Max.)	256 Indoor Units (128 per channel)
Outdoor Unit Connection	(Max.)	80 Outdoor Units
Indoor Unit Control	-	All Indoors, ERV, AHU
Dimensions (WxHxD)	mm	240 x 255 x 65
Power	-	100–240V AC (DC adaptor)
Communication	Lower Level	RS485 (to Outdoor/PIM)
	Upper Level	Ethernet 100 Base-T (web browser)
Direct Interface	-	LCD Display (4 soft keys), LED Indicators
PIM Connection (MIM-B16)	(Max.)	8
Touch Screen Connection (MCM-A300N)	(Max.)	16
Emergency Stop	-	Pulse or Level Input
Inputs	(Max.)	8 Volt-free (Open/Short)
Outputs	(Max.)	6 Contact Signal (12V)
Programmable Logic (per condition) – Boolean logic	-	3 Logic Functions (per input)
	-	20 Output Logic Factors

Controls

Building Management – Gateways

A DMS2 with built-in BACnet or LonWorks gateways
(all the features of a DMS2, plus interface to your chosen BMS).

BACnet Gateway | MIM-B17N (DMS-Bnet)

With the BMS control and monitoring function, BACnet gateway makes it easy to control the air conditioning network in various ways. It can control up to 256 indoor units, used in combination with S-NET 3 and MCM-A300N.

- Interface for BACnet management system
- Maximum 256 indoor units plus ERVs support with a maximum of 80 interface modules
- Includes DMS 2 functions

LonWorks Gateway | MIM-B18N (DMS-Lnet)

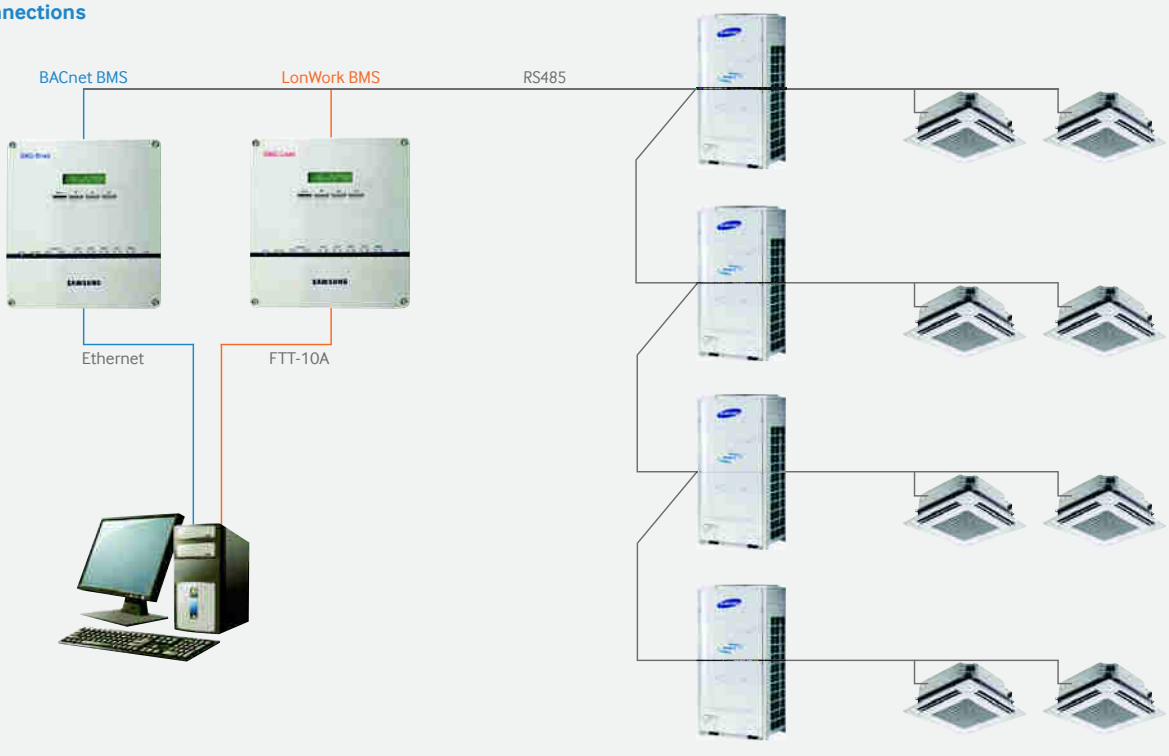
LonWorks gateway is an interface for Lon-Connection to LonWorks management system, providing a more convenient way to manage your air conditioning system. It can control a maximum of 128 indoor units, used in combination with S-NET 3 and MCM-A300N.

- Interface for Lon-Connection to LonWorks management system
- Maximum 128 indoor units plus ERVs support with a maximum of 80 interface modules
- Includes DMS 2 functions

Features for BACnet and LonWorks Gateways

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

Connections



Controls

Web Server – External Contact Interface

Web Server, S-NET 3 | MST-P3P

A PC programme designed to manage an estate of air conditioning systems via DMS2 Data Management Servers.

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



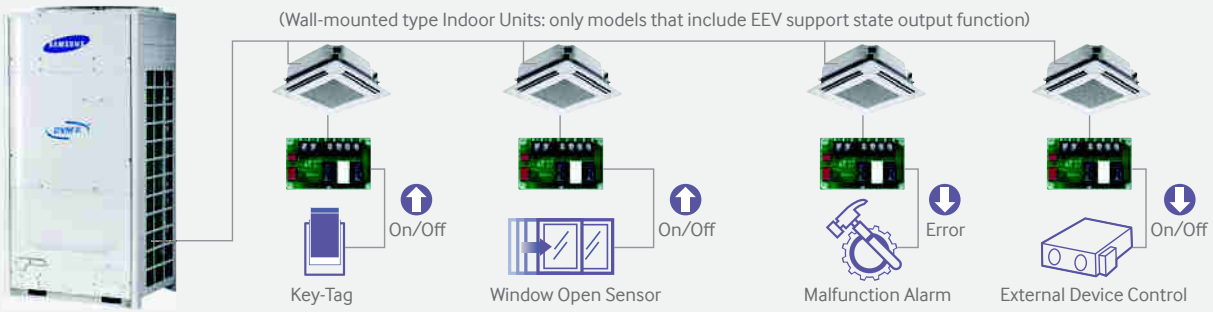
External Contact Interface | MIM-B14

- 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

Guestroom Management Module

Guest Room Management system saves you energy and money on cooling an unoccupied room:
The air conditioner is activated when Key-Tag is in place and turns off when Key-Tag is removed.

Example

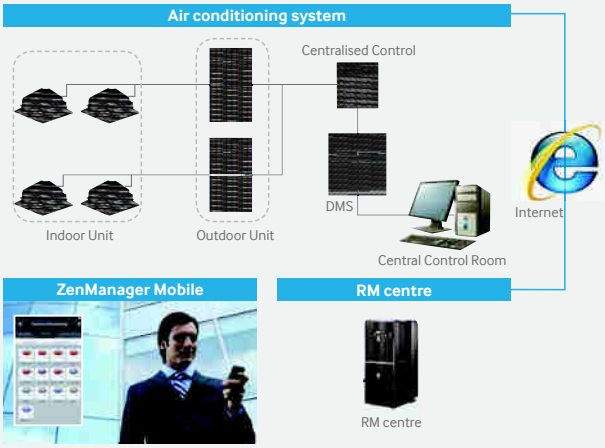


Controls

Zen Manager (RMS)

Remotely Monitor oOperations 24/7 for the Ultimate in Convenient Control

Zen Manager enables seamless remote control and 24-hour monitoring via the Internet. It offers users reports and notifications to update users on the operation status of the air conditioning unit.



Group Management

With Zen Manager, users can manage multiple sites from a central location and compare usage of multiple sites.



User-Friendly Widget

A chart and list widget and indoor unit widget simplify management.



Remote Fault Detection

Zen Manager features remote fault detection, check reason function and service notification.



Mobile App

A mobile app enables monitoring and control and fault detection from anywhere.



Data Analysis

Users can analyse uptime and power usage and back up cycle data.



Reports

Users can track usage trends with weekly and monthly reports.

Eco Heating System (EHS)



EHS

Line-up

		EHS Mono		EHS Split		EHS TDM
						
	Power \ Capacity	1P 220-240 V 50 Hz	3P 380-415 V 50 Hz	1P 220-240 V 50 Hz	3P 380-415 V 50 Hz	1P 220-240 V 50 Hz
Outdoor Unit	4.0kW			●		
	5.0kW	●				
	6.0kW			●		●
	7.0kW					●
	8.0kW					●
	9.0kW	●	●	●	●	
	11.0kW					●
	12.0kW	●	●	●	●	
	14.0kW	●	●	●	●	●
	16.0kW	●	●	●	●	●
Hydro Unit	8.0kW					●
	9.0kW			●	●	
	16.0kW			●	●	●
Control Kit		●				

	Model			Neo Forte	Slim Duct
Indoor Unit	2.2kW			●	●
	2.8kW			●	●
	3.6kW			●	●
	4.5kW				●
	5.6kW			●	●
	7.1kW			●	
	10.0kW				
Key Features		• Easy installation • Compact and light outdoor unit • Base plate heater (9~16kW)	• High reliability • Newly designed fan • Base plate heater (9~16kW) • Flexibility	• Integrated heating and cooling system at a lower cost • Perfect all-in-one system • Quick heating by TDM technology • Typical seasonal usage • Flexibility • Wall-mounted, Duct type indoor units • Diverse installation	

EHS

Experience Eco-Smart Temperature Control with Efficiency and Economy in Mind

In the wake of rising greenhouse emissions and oil costs, Samsung offers an energy-smart, all-in-one heating, hot water and air conditioning unit for today's residences.

The Samsung Eco Heating System (EHS) uses highly efficient heat pump technology to deliver supreme comfort and low operating costs year-round.

This economical and ecological air conditioning system uses significantly less energy than conventional boiler systems, thereby lowering power costs and CO_2 emissions. Plus, it provides various combinations of air and water solutions for heating and cooling that satisfy varied users' needs throughout all four seasons.



Outdoor Unit
Extracts heat from the outside air and raises inside temperature to a level high enough to supply heating during winter, or remits the heat inside to outside during summer.



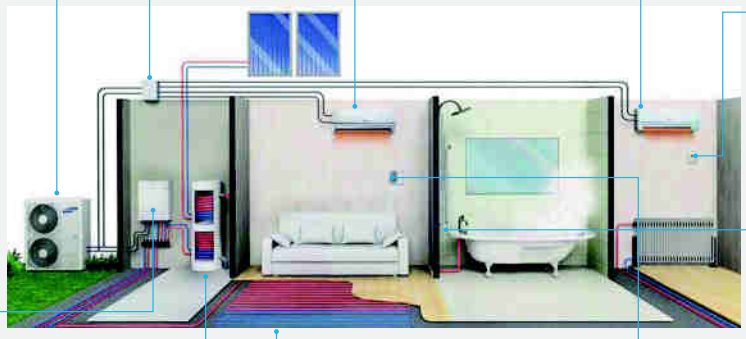
Indoor Unit (TDM only)
Supplies air heating and cooling.



EEV Kit (TDM only)
Electronic Expansion Valve kit controls the liquid refrigerant flow.



Room Thermostat (Field supply)
Auto-adjusts to the desired room temperature.





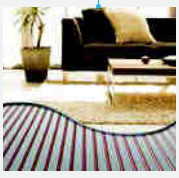
Hydro Unit (Split and TDM only)
Provides heated water.



Wi-Fi Kit (Optional)
Enables control via a wireless network.



Domestic Hot Water Tank (Field Supply)
Local Purchase.



Underfloor Heating and Radiator (Field supply)
Water warmed up in the hydro unit circulates through the underfloor and radiators to make the home pleasant and comfortable.



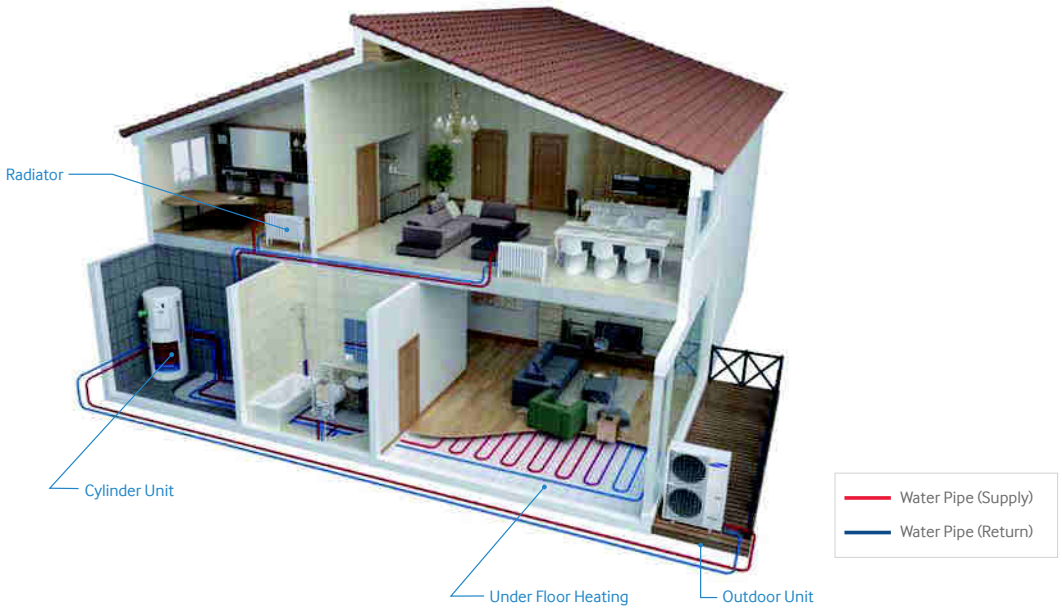
New Controller
Adjusts various options and displays the operating status.

EHS

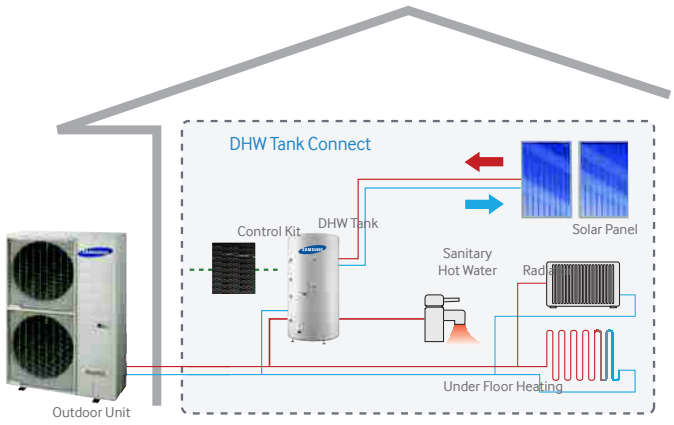
Mono

Maintain Optimal Comfort and Convenience with Energy- and Cost-Efficient Units

Samsung EHS Mono integrates an outdoor unit that includes the hydronic parts. Therefore, EHS Mono does not require space or an installation process for hydronic units and the refrigerant pipes.



EHS Mono Process Overview (Air-to-Water)



- Compatible with all low temp. system
- High seasonal energy efficiency
- Up to 55°C water supply
- Easy to install – Easy to control
- Operation range down to -25°C
- New 5kW model ideal for EPB directives
- Higher capacity at low ambient temperature

EHS

Mono

Enjoy a Pleasant Environment with Streamlined, Energy-Efficient Heating and Cooling

The EHS Mono offers a host of features that deliver energy-smart performance, while supporting simplified usability.

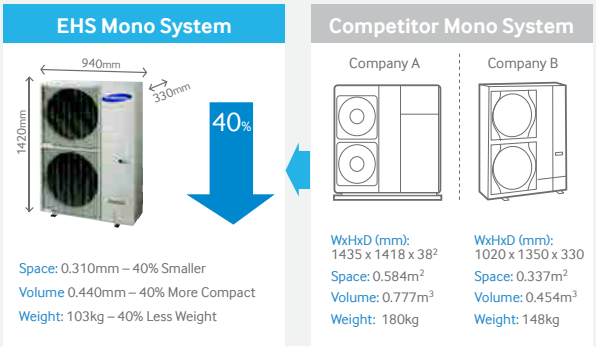
High Performance at Low Temperature

Samsung EHS Mono is made up of an inverter compressor optimally operated according to the outdoor temperature, offering heating capacity of 90% at -10°C and reliable antifreezing protection at -25°C.



Compact, Lightweight Units for Easy Installation

Samsung EHS Mono features a compact, lightweight outdoor unit. Its unique frame considerably saves installation labour and costs, satisfying both installers and customers.

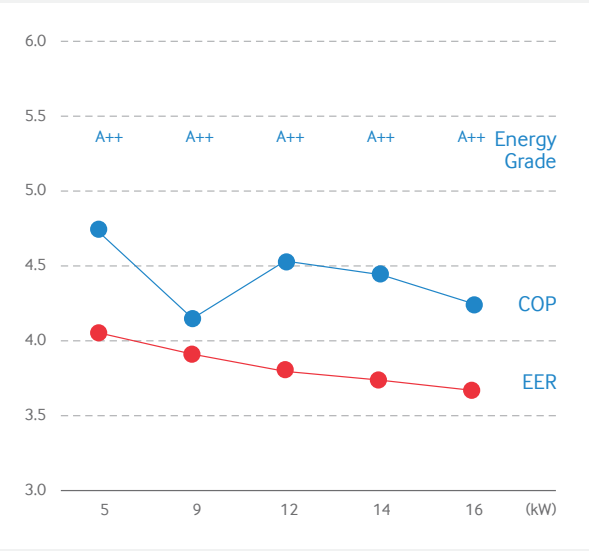


Control Kit

Control Kit is an interface to allow connection to other auxiliary hydronic and heating equipment. Samsung Mono outdoor units can be used with this interface box, creating an ideal solution when a hydronic and heating equipment is required.



Efficiency (EHS Mono)

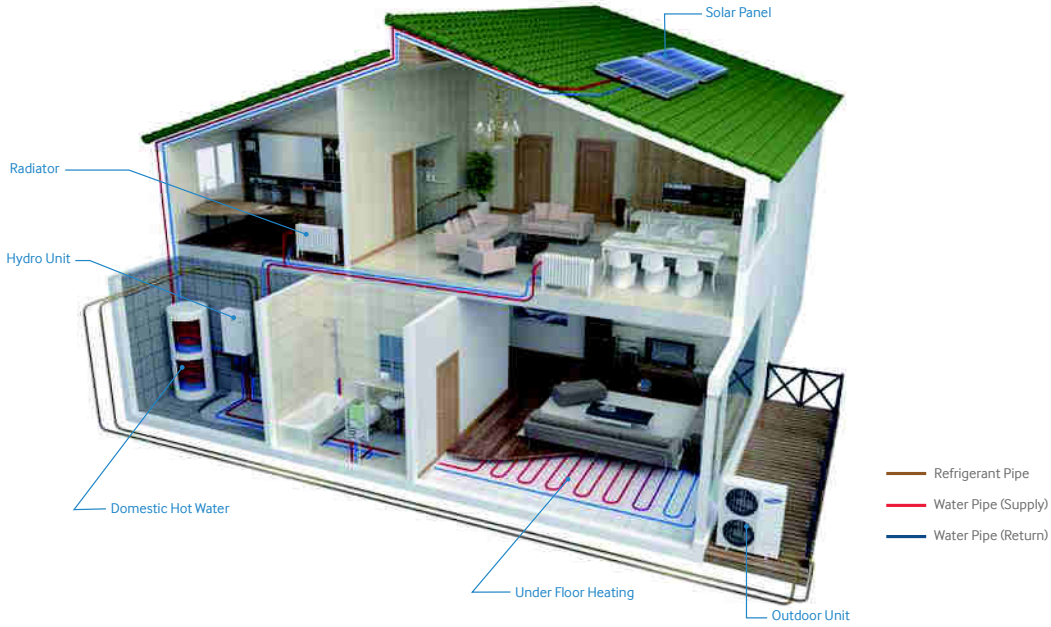


EHS

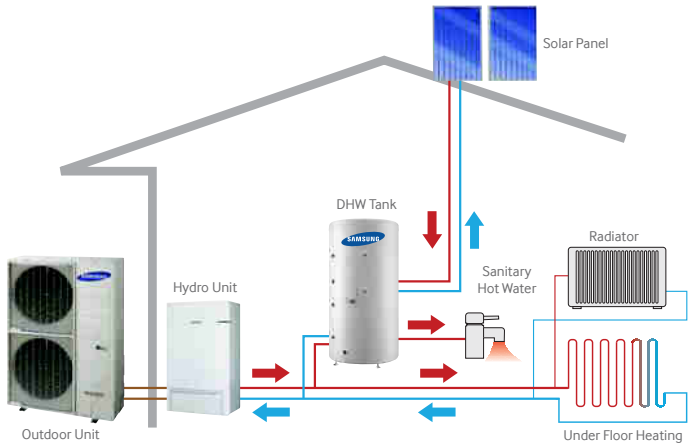
Split

Temper Every Room Perfectly in Any Climate

Samsung EHS Split is the newest system designed to meet the up-to-date heating demands of today's households. Built especially for optimised heating, this air-to-water heating system delivers superior comfort even in extreme temperatures.



EHS Split Process Overview (Air-to-Water)



- Compatible with all low temp. system
- High seasonal energy efficiency
- Up to 55°C water supply
- Easy to install – Easy to control
- Operation Range down to -25°C
- New 4kW model ideal for EPB directives
- Higher capacity at low ambient temperature

EHS

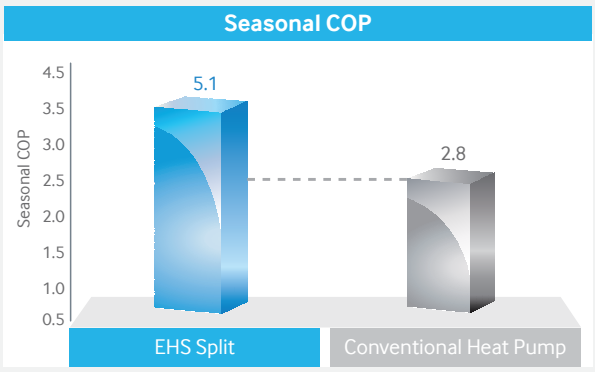
Split

Enjoy Consistent Comfort even in Frigid Weather Conditions

Samsung EHS Split features enhanced efficiency, flexibility and performance to ensure a comfortable home atmosphere year-round.

Optimised Seasonal Efficiency

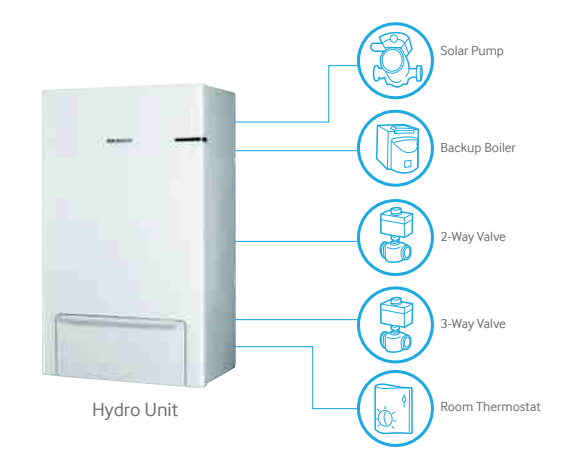
EHS Split provides consistently efficient performance all season long. It optimises heating performances at the actual operating temperature, -2°C to 2°C, while providing outstanding SCOP in compliance with eco-design directives.



(Split 4kW)

Flexibility for Increased Control

Samsung EHS Split offers broad compatibility for easier control. The unit can be implemented with a domestic hot water tank, thermostat, pump, solar panel or back-up boiler, making it exceptionally versatile.

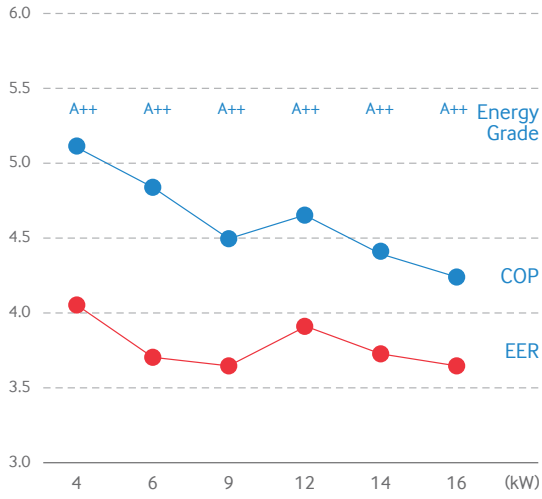


Maximum Reliability

Samsung has added subtle improvements that deliver a noticeable difference. EHS Split has been optimised to meet up-to-date heating and cooling demands with features such as low noise fan, anti-snowing and silent mode at night.



Efficiency (EHS Split)

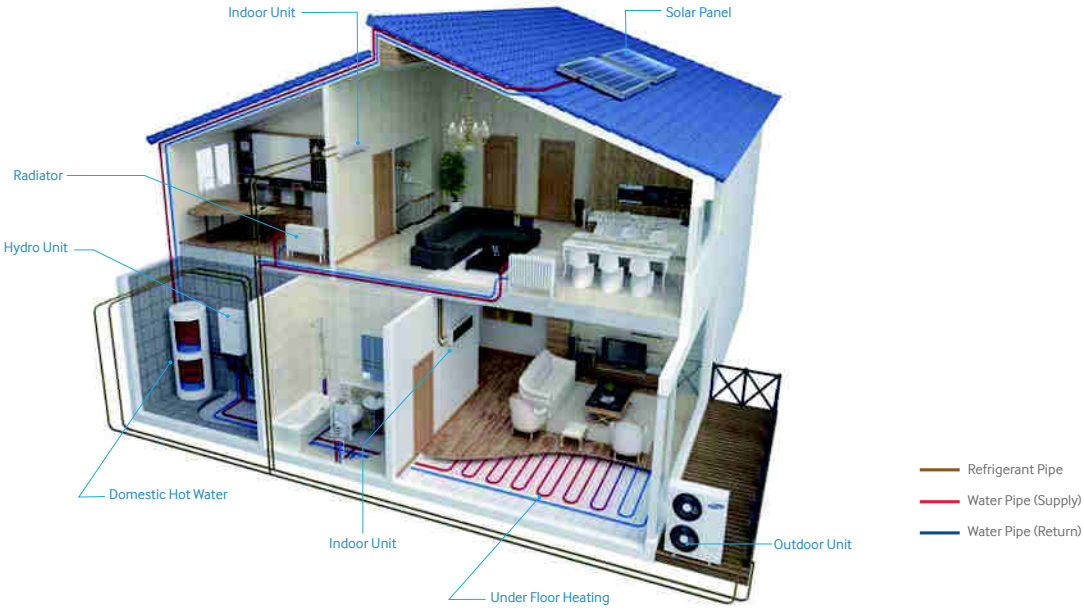


EHS

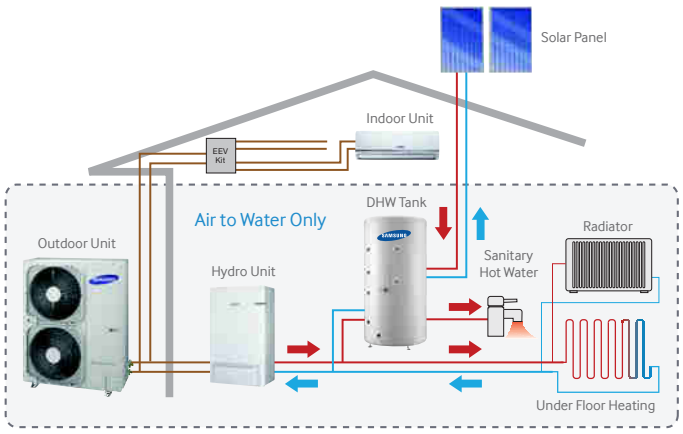
Time Division Multi (TDM)

Stabilise the Atmosphere with All-Season Heating and Cooling

The all-in-one Samsung EHS TDM (Time Division Multi) supports both air-to-air and air-to-water heating and cooling, providing the ultimate indoor climate solution for every season.



EHS TDM Process (Air-to-Air and Air-to-Water)



Air-to-Air + Air-to-Water

- A2W+A2A Space heating and sanitary hot water
- A2W+A2A Space cooling (by reversing heating cycle)
- Consist of outdoor unit, hydro unit, DHW tank (optional) and indoor units (wall-mounted and slim duct type)
- Compatible with two hybrid energy sources (field supply): solar panel / back-up boiler

Air-to-Water Only

- A2W Space heating and sanitary hot water
- A2W Space cooling (by reversing heating cycle)
- Consist of outdoor unit, hydro unit, DHW tank (optional)
- Compatible with two hybrid energy sources (field supply) : solar panel / back-up boiler

EHS

TDM

Enjoy Smart Temperature Control Throughout the Year

Samsung EHS TDM offers an integrated solution to residents' heating and cooling needs in every season. Its all-in-one design, innovative TDM technology and broad flexibility only enhance its performance, delivering unparalleled comfort for any household.

Low-Cost Integrated Heating and Cooling

With EHS TDM, both water and air are heated by a single outdoor unit.

Air-to-Air

Air-to-air heating and cooling brings comfort to the home while rapidly achieving a stable temperature. EHS TDM can also be used for cooling in the summer and heating in the winter.

Air Cooling



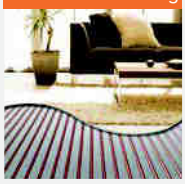
Air Heating



Air-to-Water

Air-to-water heating and cooling tempers the atmosphere perfectly and cost effectively. The efficient system uses energy from the outside air to heat the radiator, under-floor and sanitary water supply.

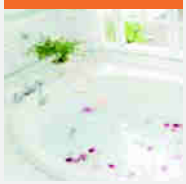
Under-Floor Heating



Radiator



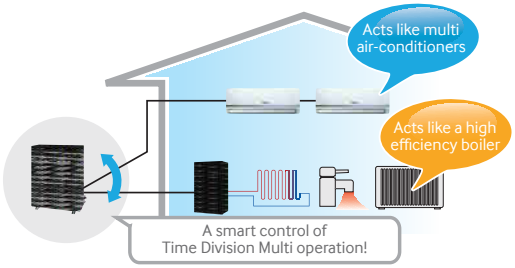
Hot Water



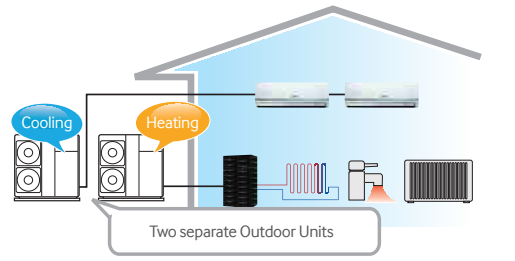
Perfect All-in-One System

EHS TDM requires installation of only one outdoor unit. Smart control of TDM operation between air-to-water and air-to-air enables one outdoor unit to operate for both functionalities, resulting in lower product cost and space saving.

Samsung EHS TDM System



Company A



EHS Mono

SPECIFICATIONS
AE050JXYDEH/EU



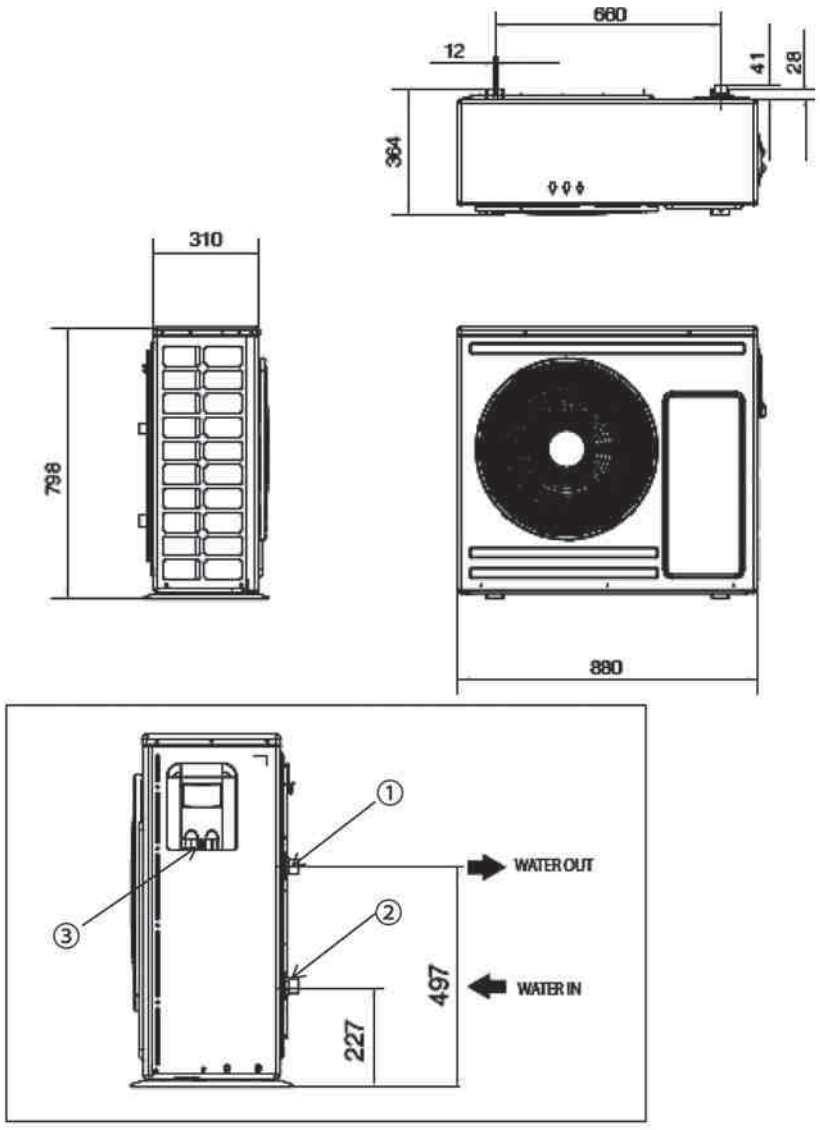
Model Code		AE050JXYDEH/EU
Features	Type	Mono
Model Name	Outdoor Unit	AE050JXYDEH/EU
Power Supply (Outdoor Unit) [Φ, ℋ, V, Hz]		1,2,220-240,50
System	Mode	HEAT PUMP (A2W)
Capacity	Cooling [kW]	5.0kW
	Cooling [Btu/h]	17,100 Btu/h
	Heating [kW]	5.0kW
	Heating [Btu/h]	17,100 Btu/h
Power Input (Nominal)	Cooling	1.21kW
	Heating	1.06kW
Current Input (Nominal)	Cooling	5.7 A
	Heating	5.1 A
Energy Efficiency	EER (Nominal Cooling)	4.13
	COP (Nominal Heating)	4.72
	Energy Grade of Space Heater (55 °C / 35 °C)	A++ / A++
	Energy Grade of Package of Space Heater	A++
Compressor	Type	BLDC Twin Rotary
Fan	Type	Propeller
Refrigerant	Type	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	1.15 kg
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	45 dBA
	Sound Power (Cooling) [dB(A)]	61 dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	59.0 kg
	Net Dimensions (WxHxD) (mm)	880 x 798 x 310mm
Operating Temp. Range	Cooling (°C)	10 ~ 46 °C
	Heating (°C)	-25 ~ 35 °C

EHS Mono

DIMENSIONAL DRAWINGS
AE050JXYDEH/EU



Units: mm



No.	Name
1	Water pipe (out)
2	Water pipe (in)
3	Power and communication wiring conduits

EHS Mono

SPECIFICATIONS
AE090JXYDEH/EU, AE090JXYDGH/EU



Model Code		AE090JXYDEH/EU	AE090JXYDGH/EU
Features	Type	Mono	Mono
Model Name	Outdoor Unit	AE090JXYDEH	AE090JXYDGH
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	3,4,380-415,50
System	Mode	HEAT PUMP (A2W)	HEAT PUMP (A2W)
Capacity	Cooling [kW]	7.5kW	7.0kW
	Cooling [Btu/h]	25,600 Btu/h	23,900 Btu/h
	Heating [kW]	9.0kW	9.0kW
	Heating [Btu/h]	30,700 Btu/h	30,700 Btu/h
Power Input (Nominal)	Cooling [W]	1.95kW	1.92kW
	Heating [W]	2.14kW	2.14kW
Current Input (Nominal)	Cooling	9.0 A	3.2 A
	Heating	9.2 A	3.5 A
Power	MCA [A]	22.0 A	10.0 A
	MFA [A]	27.5 A	16.1 A
Energy Efficiency	EER (Nominal Cooling)	3.85	3.65
	COP (Nominal Heating)	4.21	4.21
	Energy Grade of Space Heater (55 °C / 35 °C)	A++ / A++	A++ / A++
	Energy Grade of Package of Space Heater	A++	A++
Compressor	Type	BLDC Twin Rotary	BLDC Twin Rotary
	Model	UG8TH8265FJW	UG8T300FUCJU
	Oil (Type)	POE	PVE
Fan	Type	Propeller	Propeller
	Air Flow Rate (High / Mid / Low) [CMM]	53 CMM	53 CMM
Condenser	Pipe Size (Φ, inch)	BSPP male 1"	BSPP male 1"
	Water Flow Rate (LPM)	26 / 22 (Heating / Cooling) LPM	26 / 21 (Heating / Cooling) LPM
Field Wiring	Transmission Cable	0.75 ~ 1.5	0.75 ~ 1.5
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	1.4 kg	1.5 kg
Sound	Sound Pressure	48 / 48(Heating / Cooling) dBA	48 / 48 (Heating / Cooling) dBA
	Sound Power	63 (Heating) dBA	63 (Heating) dBA
External Dimension (Outdoor Unit)	Net Weight (kg)	76 kg	76 kg
	Shipping Weight (kg)	84 kg	84 kg
	Net Dimensions (WxHxD) (mm)	940 x 998 x 330mm	940 x 998 x 330mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1,178 x 426mm	995 x 1,178 x 426mm
Operating Temp. Range	Cooling (°C)	10 ~ 46 °C	10 ~ 46 °C
	Heating (°C)	-25 ~ 35 °C	-25 ~ 35 °C

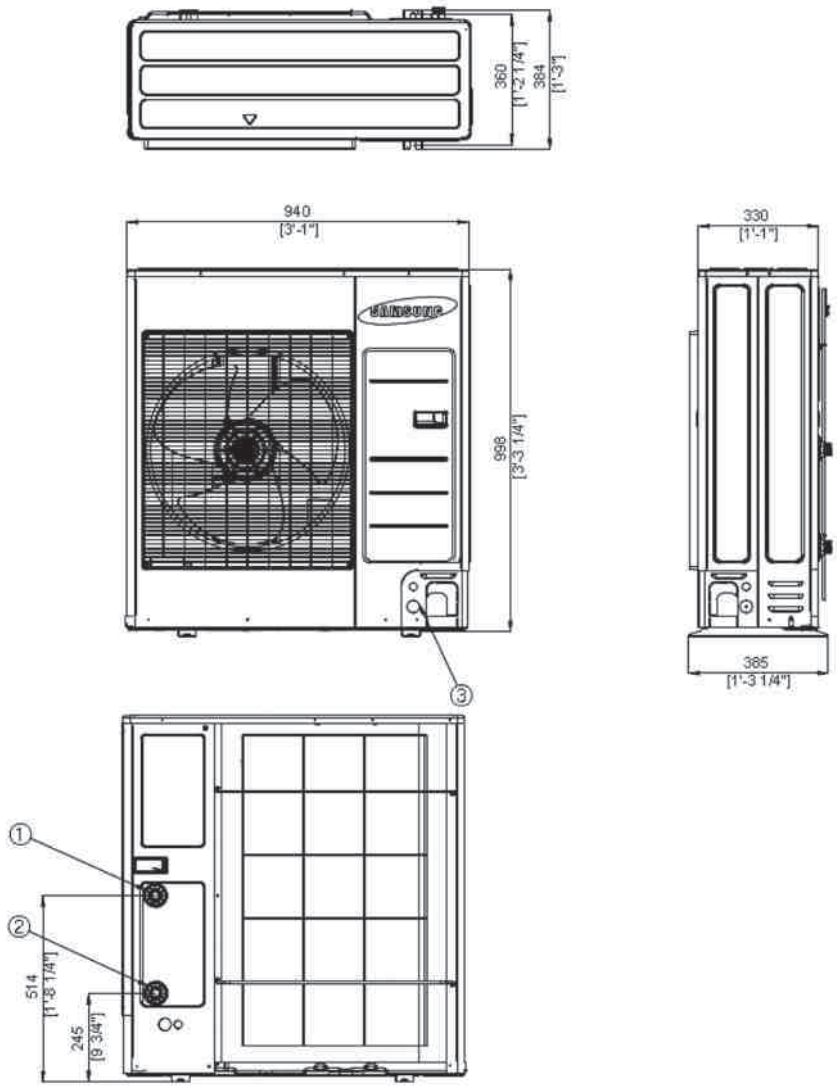
EHS Mono

DIMENSIONAL DRAWINGS

AE090JXYDEH/EU, AE090JXYDGH/EU



Units: mm



No.	Name
1	Water pipe (out)
2	Water pipe (in)
3	Power and communication wiring conduits

EHS Split

SPECIFICATIONS
AE090JXEDEH/EU, AE090JXEDGH/EU



Model Code		AE090JXEDEH/EU	AE090JXEDGH/EU
Features	Type	EHS Split	EHS Split
Model Name	Indoor Unit	AE090JNYDEH/EU	AE090JNYDGH/EU
	Outdoor Unit	AE090JXEDEH/EU	AE090JXEDGH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,3,220-240,50	3,4,380-415,50
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,3,220-240,50	3,4,380-415,50
System	Mode	HEAT PUMP (A2W)	HEAT PUMP (A2W)
Capacity	Cooling [kW]	8.0 kW	7.5 kW
	Cooling [Btu/h]	27,300 Btu/h	25,600 Btu/h
	Heating [kW]	9.0 kW	9.0 kW
	Heating [Btu/h]	30,700 Btu/h	30,700 Btu/h
Power Input (Nominal)	Cooling	2.2 kW	2.06 kW
	Heating	2.01 kW	2.01 kW
Current Input (Nominal)	Cooling	10.1 A	3.4 A
	Heating	9.2 A	3.3 A
Power	MCA [A]	22 A	10A
	MFA [A]	27.5 A	16.1 A
Energy Efficiency	EER (Nominal Cooling)	3.64	3.64
	COP (Nominal Heating)	4.48	4.48
	Energy Grade of Space Heater (55 °C / 35 °C)	A++ / A++	A++ / A++
	Energy Grade of Package of Space Heater	A++	A++
Compressor	Type	BLDC Twin Rotary	BLDC Twin Rotary
	Oil (Type)	POE	PVE
Fan	Air Flow Rate (Cooling) [CMM]	53 CMM	53 CMM
Piping Connections	Liquid Pipe (Φ,mm)	6.35 mm	6.35 mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ,mm)	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"
	Installation Max. Length [m]	50 m	50 m
	Installation Max. Height [m]	30 m	30 m
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	1.7 kg	1.9 kg
Sound	Sound Pressure	50 / 49 dBA	50 / 49 dBA
	Sound Power	63 / 64 dBA	63 / 64 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	45 kg	46.5 kg
	Shipping Weight (kg)	55 kg	56.0 kg
	Net Dimensions (WxHxD) (mm)	510 x 850 x 315 mm	510 x 850 x 315 mm
	Shipping Dimensions (WxHxD) (mm)	564 x 1,024 x 412 mm	564 x 1,024 x 412 mm
External Dimension (Outdoor Unit)	Net Weight (kg)	68.0 kg	76.0 kg
	Shipping Weight (kg)	78.0 kg	84.5 kg
	Net Dimensions (WxHxD) (mm)	940 x 998 x 330 mm	940 x 998 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1,178 x 426 mm	995 x 1,178 x 426 mm
Operating Temp. Range	Cooling (°C)	10~46 °C	10~46 °C
	Heating (°C)	-25~35 °C	-25~35 °C

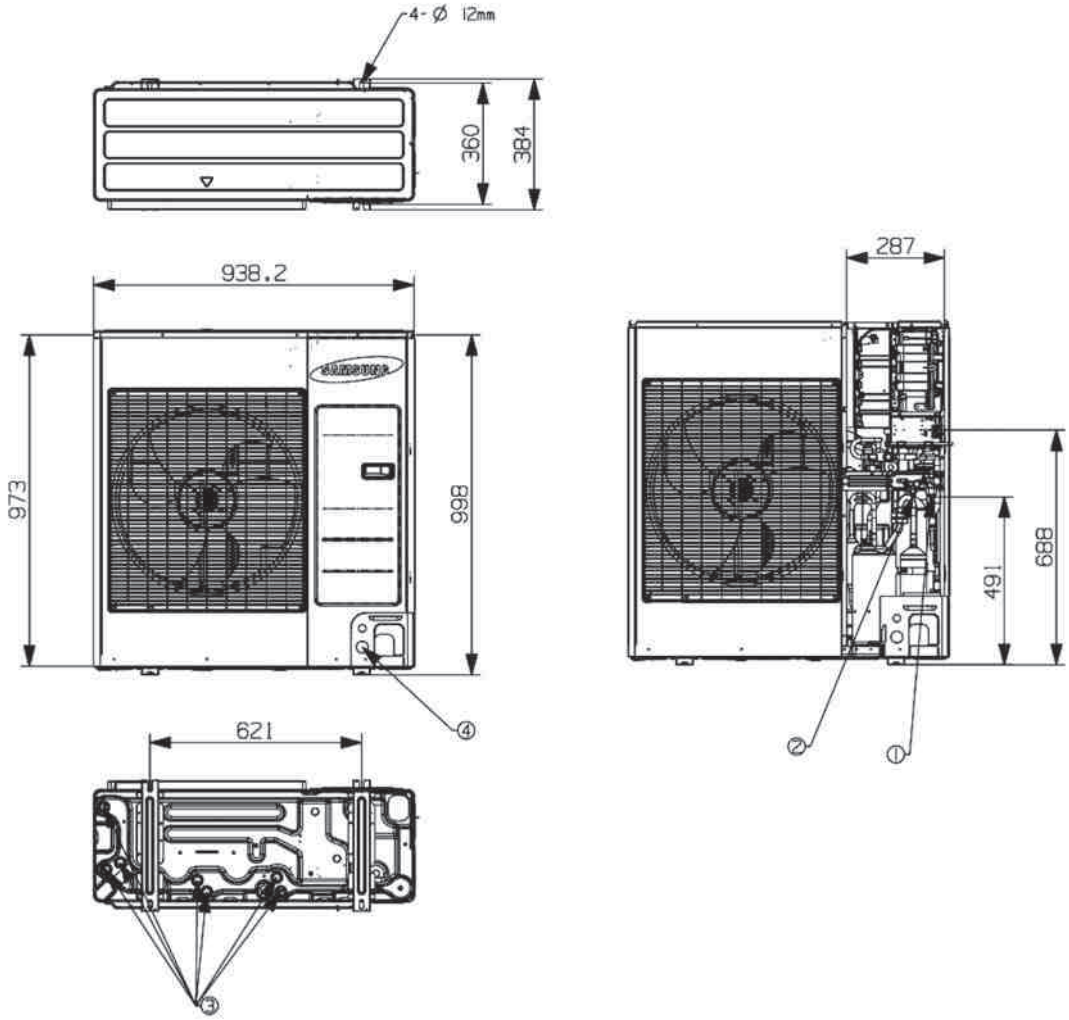
EHS Split

DIMENSIONAL DRAWINGS

AE090JXYDEH/EU, AE090JXYDGH/EU



Units: mm



No.	Name
1	Gas ref. pipe
2	Liquid ref. pipe
3	Drain hole
4	Power and communication wiring conduits

EHS Split Outdoor

SPECIFICATIONS

AE120/140/160JXEDEH/EU, AE120/140/160JXEDGH/EU



Model Code		AE120JXEDEH/EU	AE140JXEDEH/EU	AE160JXEDEH/EU	AE120JXEDGH/EU	AE140JXEDGH/EU	AE160JXEDGH/EU
Features	Type	EHS Split	EHS Split	EHS Split	EHS Split	EHS Split	EHS Split
Model Name	Indoor Unit	AE160JNYDEH/EU	AE160JNYDEH/EU	AE160JNYDEH/EU	AE160JNYDGH/EU	AE160JNYDGH/EU	AE160JNYDGH/EU
	Outdoor Unit	AE120JXEDEH/EU	AE140JXEDEH/EU	AE160JXEDEH/EU	AE120JXEDGH/EU	AE140JXEDGH/EU	AE160JXEDGH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,3,220-240,50	1,3,220-240,50	1,3,220-240,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,3,220-240,50	1,3,220-240,50	1,3,220-240,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
System	Mode	HEAT PUMP (A2W)	HEAT PUMP (A2W)	HEAT PUMP (A2W)	HEAT PUMP (A2W)	HEAT PUMP (A2W)	HEAT PUMP (A2W)
Capacity	Cooling [kW]	12.0 kW	14.0 kW	15.0 kW	12.0 kW	14.0 kW	15.0 kW
	Cooling [Btu/h]	40,900 Btu/h	47,800 Btu/h	51,200 Btu/h	40,900 Btu/h	47,800 Btu/h	51,200 Btu/h
	Heating [kW]	12.0 kW	14.0 kW	16.0 kW	12.0 kW	14.0 kW	16.0 kW
	Heating [Btu/h]	40,900 Btu/h	47,800 Btu/h	54,600 Btu/h	40,900 Btu/h	47,800 Btu/h	54,600 Btu/h
Power Input (Nominal)	Cooling	3.1 kW	3.8 kW	4.14 kW	3.1 kW	3.8 kW	4.14 kW
	Heating	2.59 kW	3.15 kW	3.76 kW	2.59 kW	3.15 kW	3.76 kW
Current Input (Nominal)	Cooling	14.0 A	17.0 A	18.6 A	4.7 A	5.7 A	6.2 A
	Heating	11.7 A	14.3 A	16.9 A	4.1 A	4.7 A	5.7 A
Power	MCA [A]	28 A	30 A	32 A	10A	11A	12A
	MFA [A]	35 A	37.5 A	40 A	16.1 A	16.1 A	16.1 A
Energy Efficiency	EER (Nominal Cooling)	3.87	3.68	3.62	3.87	3.68	3.62
	COP (Nominal Heating)	4.63	4.44	4.26	4.63	4.44	4.26
	Energy Grade of Space Heater (55 °C / 35 °C)	A+ / A++	A+ / A++	A+ / A++	A+ / A++	A+ / A++	A+ / A++
	Energy Grade of Package of Space Heater	A+	A+	A+	A+	A+	A+
Compressor	Type	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary
	Oil (Type)	PVE	PVE	PVE	PVE	PVE	PVE
Fan	Air Flow Rate (High / Mid / Low) [CMM]	108 CMM	108 CMM	108 CMM	108 CMM	108 CMM	108 CMM
Piping Connections	Liquid Pipe (Φ, mm)	9.52 mm	9.52 mm	9.52 mm	9.52 mm	9.52 mm	9.52 mm
	Liquid Pipe (Φ, inch)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe (Φ, mm)	15.88 mm	15.88 mm	15.88 mm	15.88 mm	15.88 mm	15.88 mm
	Gas Pipe (Φ, inch)	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Installation Max. Length [m]	50 m	50 m	50 m	50 m	50 m	50 m
	Installation Max. Height [m]	30 m	30 m	30 m	30 m	30 m	30 m
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	2.98 kg	2.98 kg	2.98 kg	2.98 kg	2.98 kg	2.98 kg
Sound	Sound Pressure	50 / 50 dBA	52 / 50 dBA	54 / 52 dBA	50 / 50 dBA	52 / 50 dBA	54 / 52 dBA
	Sound Power	64 / 64 dBA	66 / 64 dBA	69 / 66 dBA	64 / 64 dBA	66 / 64 dBA	69 / 66 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	45 kg	45 kg	45.0 kg	46.5 kg	46.5 kg	46.5 kg
	Shipping Weight (kg)	55 kg	55 kg	55.0 kg	56.0 kg	56.0 kg	56.0 kg
	Net Dimensions (WxHxD) (mm)	510 x 850 x 315 mm	510 x 850 x 315 mm	510 x 850 x 315 mm	510 x 850 x 315 mm	510 x 850 x 315 mm	510 x 850 x 315 mm
	Shipping Dimensions (WxHxD) (mm)	564 x 1,024 x 412 mm	564 x 1,024 x 412 mm	564 x 1,024 x 412 mm	564 x 1,024 x 412 mm	564 x 1,024 x 412 mm	564 x 1,024 x 412 mm
External Dimension (Outdoor Unit)	Net Weight (kg)	100.0 kg	100.0 kg	100.0 kg	101.5 kg	101.5 kg	101.5 kg
	Shipping Weight (kg)	109.5 kg	109.5 kg	109.5 kg	111.0 kg	111.0 kg	111.0 kg
	Net Dimensions (WxHxD) (mm)	940 x 1,420 x 330 mm	940 x 1,420 x 330 mm	940 x 1,420 x 330 mm	940 x 1,420 x 330 mm	940 x 1,420 x 330 mm	940 x 1,420 x 330 mm
	Shipping Dimensions (WxHxD) (mm)	995 x 1,598 x 426 mm	995 x 1,598 x 426 mm	995 x 1,598 x 426 mm	995 x 1,598 x 426 mm	995 x 1,598 x 426 mm	995 x 1,598 x 426 mm
Operating Temp. Range	Cooling (°C)	10 ~ 46 °C	10 ~ 46 °C	10 ~ 46 °C	10 ~ 46 °C	10 ~ 46 °C	10 ~ 46 °C
	Heating (°C)	-25 ~ 35 °C	-25 ~ 35 °C	-25 ~ 35 °C	-25 ~ 35 °C	-25 ~ 35 °C	-25 ~ 35 °C

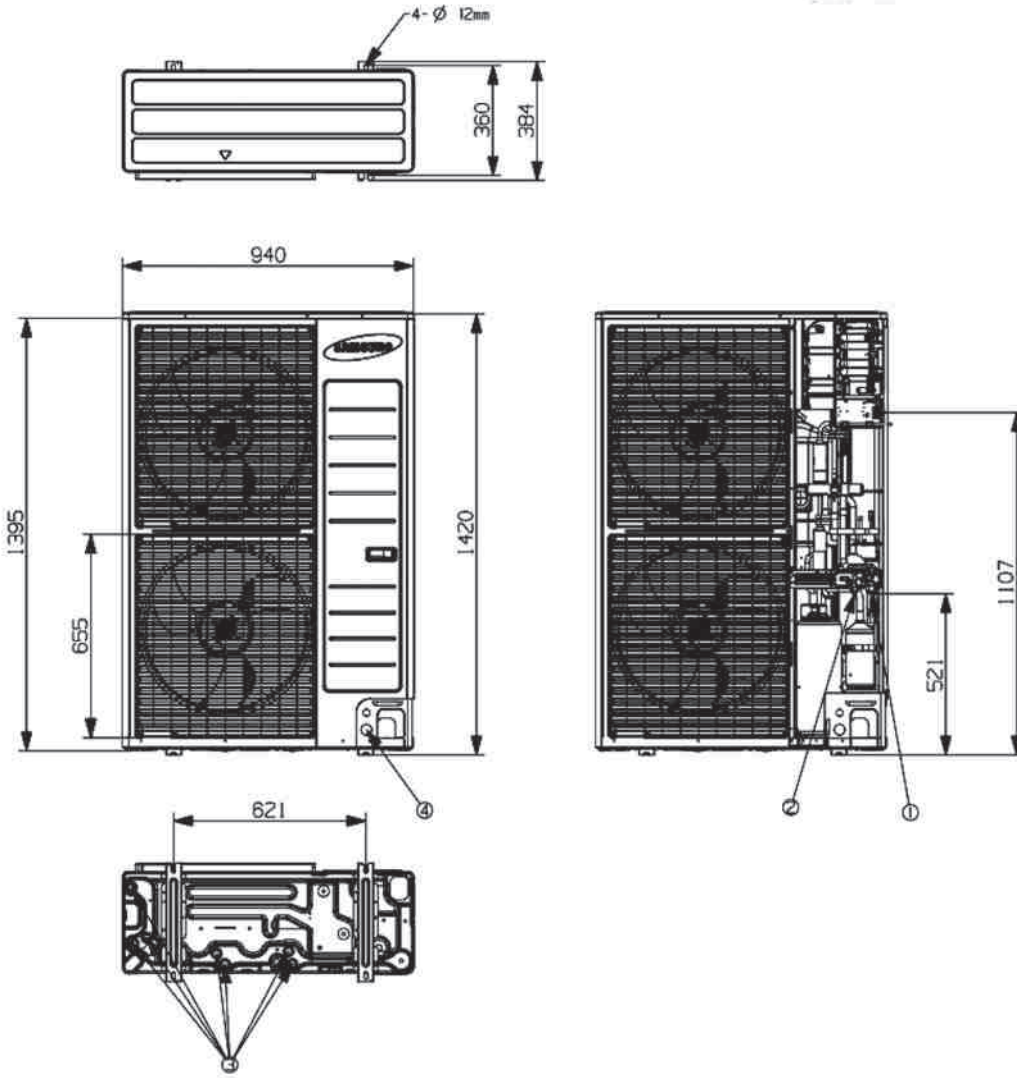
EHS Split Outdoor

DIMENSIONAL DRAWINGS

AE120/140/160JXEDEH/EU, AE120/140/160JXEDGH/EU



Units: mm



No.	Name
1	Gas ref. pipe
2	Liquid ref. pipe
3	Drain hole
4	Power and communication wiring conduits

EHS Split Outdoor

SPECIFICATIONS
AE040JXEDEH/EU, AE060JXEDGH/EU



Model Code		AE040JXEDEH/EU	AE060JXEDGH/EU
Features	Type	EHS Split	EHS Split
Model Name	Indoor Unit	AE090JNYDEH/EU	AE090JNYDGH/EU
	Outdoor Unit	AE040JXEDEH/EU	AE090JXEDGH/EU
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,3,220-240,50	3,4,380-415,50
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,3,220-240,50	3,4,380-415,50
System	Mode	HEAT PUMP (A2W)	HEAT PUMP (A2W)
Capacity	Cooling [kW]	5.0kW	7.5kW
	Cooling [Btu/h]	17,100 Btu/h	25,600 Btu/h
	Heating [kW]	4.4kW	9.0kW
	Heating [Btu/h]	15,000 Btu/h	30,700 Btu/h
Power Input (Nominal)	Cooling [W]	1.26kW	2.06kW
	Heating [W]	0.86kW	2.01kW
Current Input (Nominal)	Cooling	5.7 A	3.4 A
	Heating	4.1 A	3.3 A
Power	MCA [A]	20 A	10:00 AM
	MFA [A]	25 A	16.1 A
Energy Efficiency	EER (Nominal Cooling)	3.97	3.64
	COP (Nominal Heating)	5.1	4.48
	Energy Grade of Space Heater (55 °C / 35 °C)	A++ / A++	A++ / A++
	Energy Grade of Package of Space Heater	A++	A++
Compressor	Type	BLDC Twin Rotary	BLDC Twin Rotary
	Model	UG4TH8200FE4	PVE
	Oil (Type)	POE	
	Oil (Initial Charge) [cc]	650 cc	
Fan	Air Flow Rate (Cooling) [CMM]	40 CMM	53 CMM
Piping Connections	Liquid Pipe (Φ,mm)	6.35mm	6.35mm
	Liquid Pipe (Φ, inch)	1/4"	1/4"
	Gas Pipe (Φ,mm)	15.88mm	15.88mm
	Gas Pipe (Φ, inch)	5/8"	5/8"
	Installation Max. Length [m]	30 m	50 m
	Installation Max. Height [m]	20 m	30 m
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
	Factory Charging (kg)	1.4 kg	1.9 kg
Sound	Sound Pressure	46 / 46 dBA	50 / 49 dBA
	Sound Power	63 / 61 dBA	63 / 64 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	45 kg	46.5 kg
	Shipping Weight (kg)	55 kg	56.0 kg
	Net Dimensions (WxHxD) (mm)	510 x 850 x 315mm	510 x 850 x 315mm
	Shipping Dimensions (WxHxD) (mm)	564 x 1,024 x 412mm	564 x 1,024 x 412mm
External Dimension (Outdoor Unit)	Net Weight (kg)	48.5 kg	76.0 kg
	Shipping Weight (kg)	51.5 kg	84.5 kg
	Net Dimensions (WxHxD) (mm)	880 x 638 x 310mm	940 x 998 x 330mm
	Shipping Dimensions (WxHxD) (mm)	1,023 x 725 x 413mm	995 x 1,178 x 426mm
Operating Temp. Range	Cooling (°C)	10 ~ 46 °C	10~46 °C
	Heating (°C)	-25 ~ 35 °C	-25~35 °C

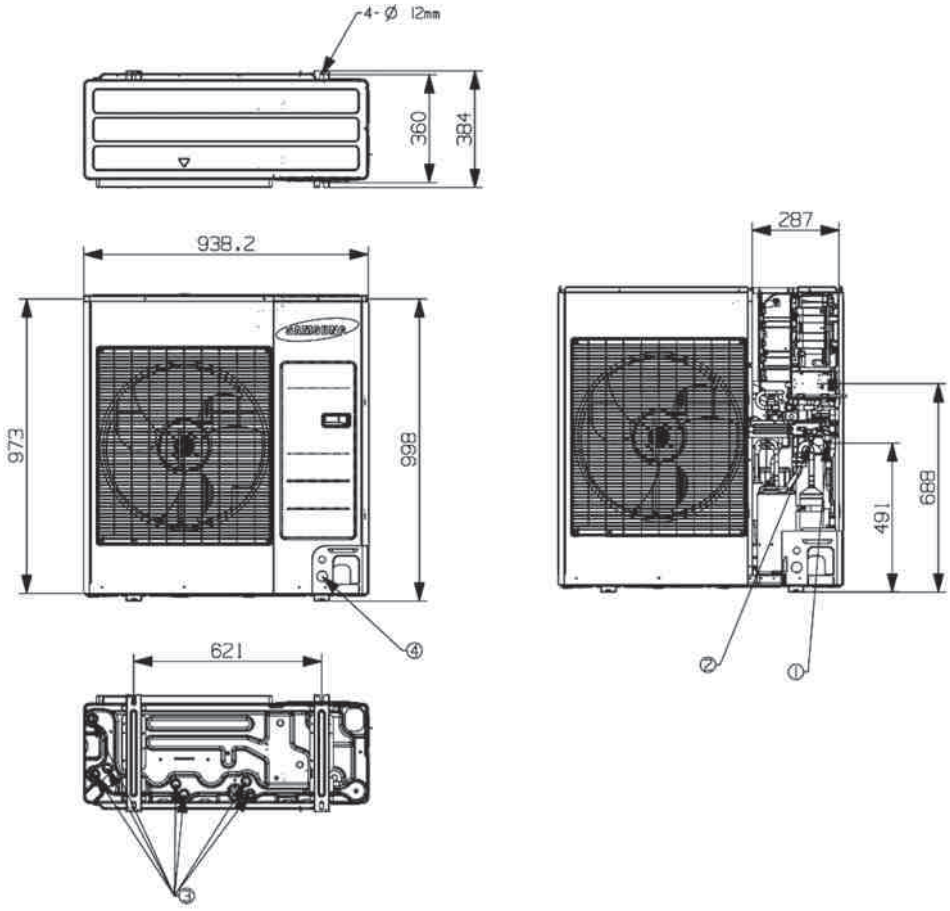
EHS Split Outdoor

DIMENSIONAL DRAWINGS

AE040JXEDEH/EU, AE060JXEDGH/EU



Units: mm



No.	Name
1	Gas ref. pipe
2	Liquid ref. pipe
3	Drain hole
4	Power and communication wiring conduits

EHS TDM Outdoor

SPECIFICATIONS

RD060/070/080PHXEA



Model Code		RD060PHXEA	RD070PHXEA	RD080PHXEA
Features	Type	EHS TDM	EHS TDM	EHS TDM
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz
Current Input (Nominal)	Cooling	8.8 A	10.3 A	11.4 A
	Heating	6:00 AM	7.5 A	8.7 A
Energy Efficiency	EER (Nominal Cooling)	3.53	3.36	3.12
	COP (Nominal Heating)	4.4	4.26	4.05
	Energy Grade (Cooling)	A+	A	A
	Energy Grade (Heating)	A	A	A
	Energy Grade of Space Heater (55 ºC / 35 ºC)	A+/A++	A+ / A++	A+ / A++
	Energy Grade of Package of Space Heater	A+	A+	A+
Capacity	Cooling [kW]	7.02 kW	7.53 kW	8.03 kW
	Heating [kW]	5.99 kW	6.98 kW	7.97 kW
Power Input (Nominal)	Cooling	1.99 kW	2.24 kW	2.57 kW
	Heating	1.36 kW	1.64 kW	1.97 kW
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
Sound	Sound Pressure	48 dBA	48 dBA	49 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	71 kg	71 kg	71 kg
	Net Dimensions (WxHxD) (mm)	880 x 798 x3 10 mm	880 x 798 x 310 mm	880 x 798 x 310 mm

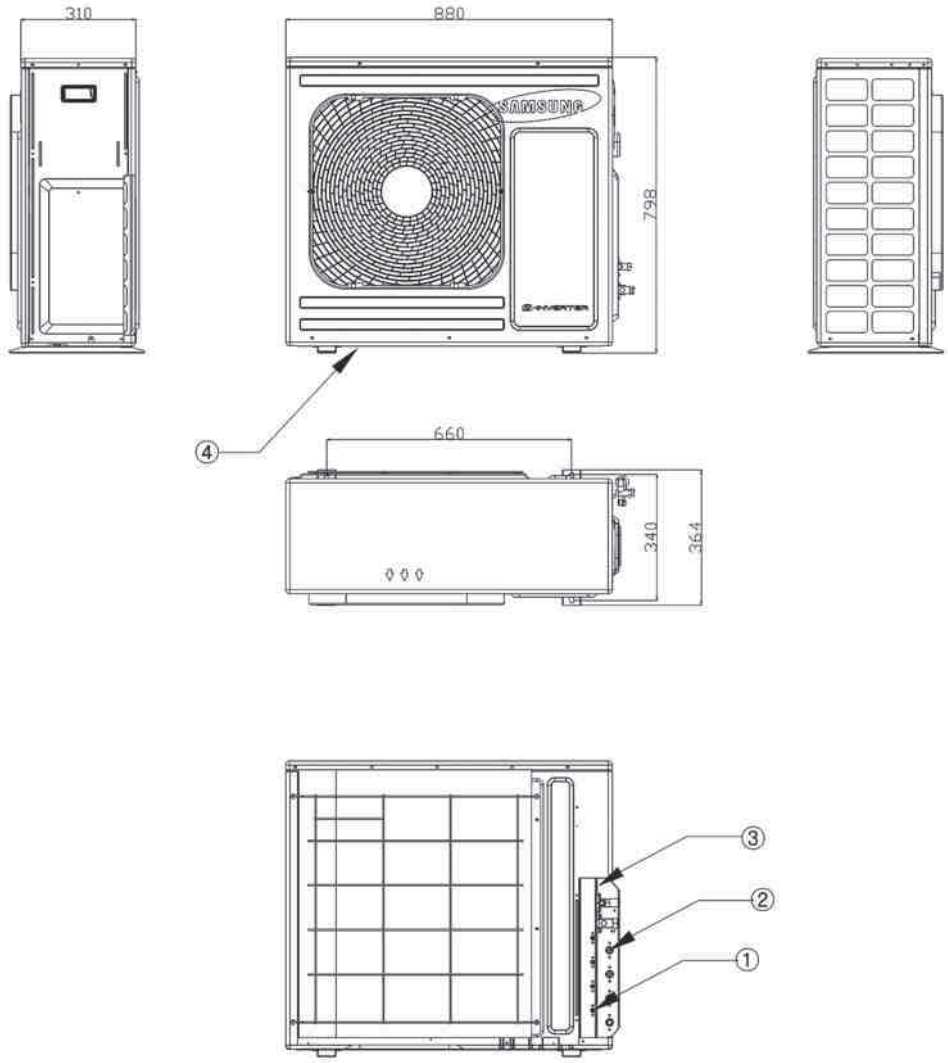
EHS TDM Outdoor

DIMENSIONAL DRAWINGS

RD060/070/080PHXEA



Units: mm



No.	Name	Description		
		6.0kW	7.0kW	8.0kW
1	Gas pipe connection	Ø15.88 Flare		
2	Liquid pipe connection	Ø9.52 Flare		
3	Power and communication wiring conduit	-		
4	Drain pipe	-		

EHS TDM Outdoor

SPECIFICATIONS
RD110/140PHXEA, RD160PHXEB



Model Code		RD110PHXEA	RD140PHXEA	RD160PHXEB
Features	Type	EHS TDM	EHS TDM	EHS TDM
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz
Current Input (Nominal)	Cooling	12.6 A	17.4 A	20.5 A
	Heating	10.6 A	14.5 A	17.4 A
Energy Efficiency	EER (Nominal Cooling)	3.97	3.65	3.37
	COP (Nominal Heating)	4.61	4.26	4.05
	Energy Grade (Cooling)	A++	-	-
	Energy Grade (Heating)	A+	-	-
	Energy Grade of Space Heater (55 °C / 35 °C)	A+ / A++	A+ / A++	A+ / A++
	Energy Grade of Package of Space Heater	A+	A+	A+
Capacity	Cooling [kW]	11.3 kW	14.3 kW	15.6 kW
	Heating [kW]	11 kW	13.9 kW	15.9 kW
Power Input (Nominal)	Cooling	2.85 kW	3.92 kW	4.63 kW
	Heating	2.39 kW	3.26 kW	3.93 kW
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
Sound	Sound Pressure	49 dBA	51 dBA	53 dBA
External Dimension (Indoor Unit)	Net Weight (kg)	108 kg	108 kg	108 kg
	Net Dimensions (WxHxD) (mm)	932 x 1,128 x 375 mm	932 x 1,128 x 375 mm	932 x 1,128 x 375 mm

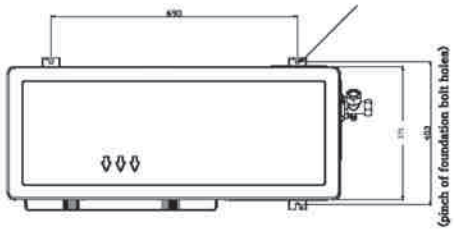
EHS TDM Outdoor

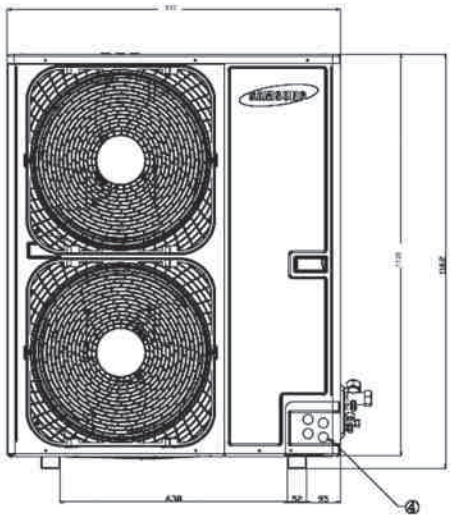
DIMENSIONAL DRAWINGS

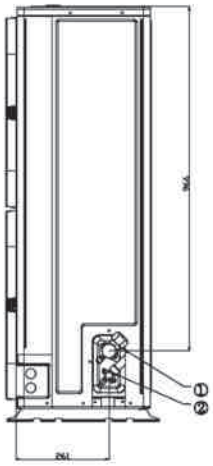
RD110/140PHXEA, RD160PHXEB



Units: mm







EHS TDM Hydro

SPECIFICATIONS

NH080/160PHXEA



Model Code		NH080PHXEA	NH160PHXEA
Features	Type	Hydro Unit	Hydro Unit
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1 / 230 V / 50 Hz	1 / 230 V / 50 Hz
Capacity	Cooling [kW]	6 / 7 / 8 kW	11 / 14 / 16 kW
External Dimension (Indoor Unit)	Net Weight (kg)	50 kg	47 kg
	Net Dimensions (WxHxD) (mm)	850 x 510 x 315 mm	850 x 510 x 315 mm

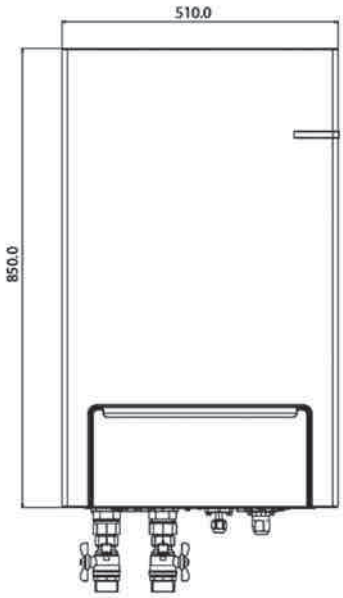
EHS TDM Hydro

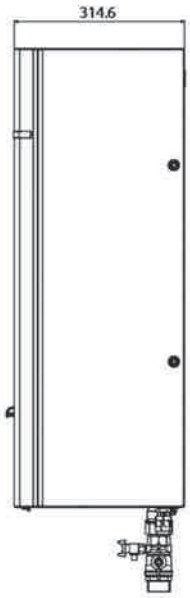
DIMENSIONAL DRAWINGS

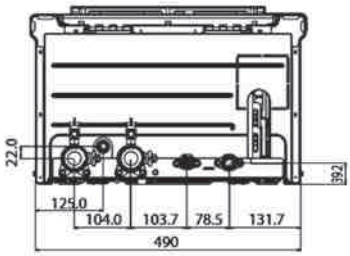
NH080/160PHXEA



Units: mm







EHS TDM Duct

SPECIFICATIONS

NH022/028/036LHXEA



Model Code		NH022LHXEA	NH028LHXEA	NH036LHXEA
Features	Type	Slim Duct	Slim Duct	Slim Duct
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz
Current Input (Nominal)	Cooling	0.4 A	0.4 A	0.4 A
Capacity	Cooling [kW]	2.2 kW	2.8 kW	3.6 kW
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
External Dimension (Indoor Unit)	Net Weight(kg)	26.0 kg	26.0 kg	26.0 kg
	Net Dimensions (WxHxD) (mm)	900 x 199 x 600 mm	900 x 199 x 600 mm	900 x 199 x 600 mm
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) (mm)	1124 x 315 x 713 mm	1124 x 315 x 713 mm	1124 x 315 x 713 mm

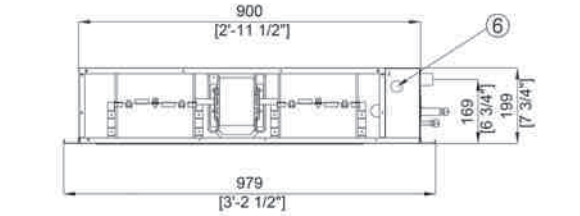
EHS TDM Duct

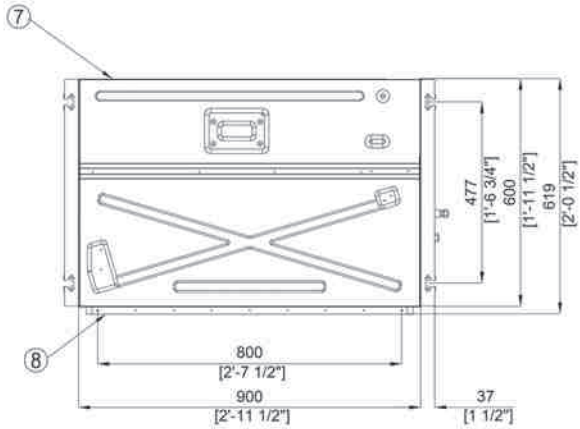
DIMENSIONAL DRAWINGS

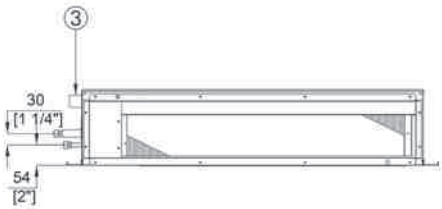
NH022/028/036LHXEA

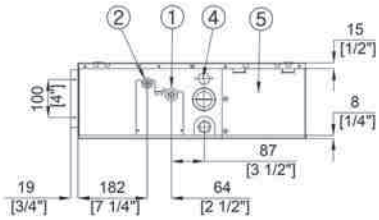


Units: mm









No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain pipe (without drain pump)
4	Drain pipe (with drain pump)
5	Power and communication wiring conduits
6	Power supply connection
7	Return air side
8	Air outlet duct flange

EHS TDM Duct

SPECIFICATIONS

NH045/056LHXEA



Model Code		NH045LHXEA	NH056LHXEA
Features	Type	Slim Duct	Slim Duct
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz
Current Input (Nominal)	Cooling	0.6 A	0.6 A
Capacity	Cooling [kW]	4.5 kW	5.6 kW
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
External Dimension (Indoor Unit)	Net Weight(kg)	31.0 kg	31.0 kg
	Net Dimensions (WxHxD) (mm)	1,100 x 199 x 600 mm	1,100 x 199 x 600 mm
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) (mm)	1324 x 315 x 713 mm	1324 x 315 x 713 mm

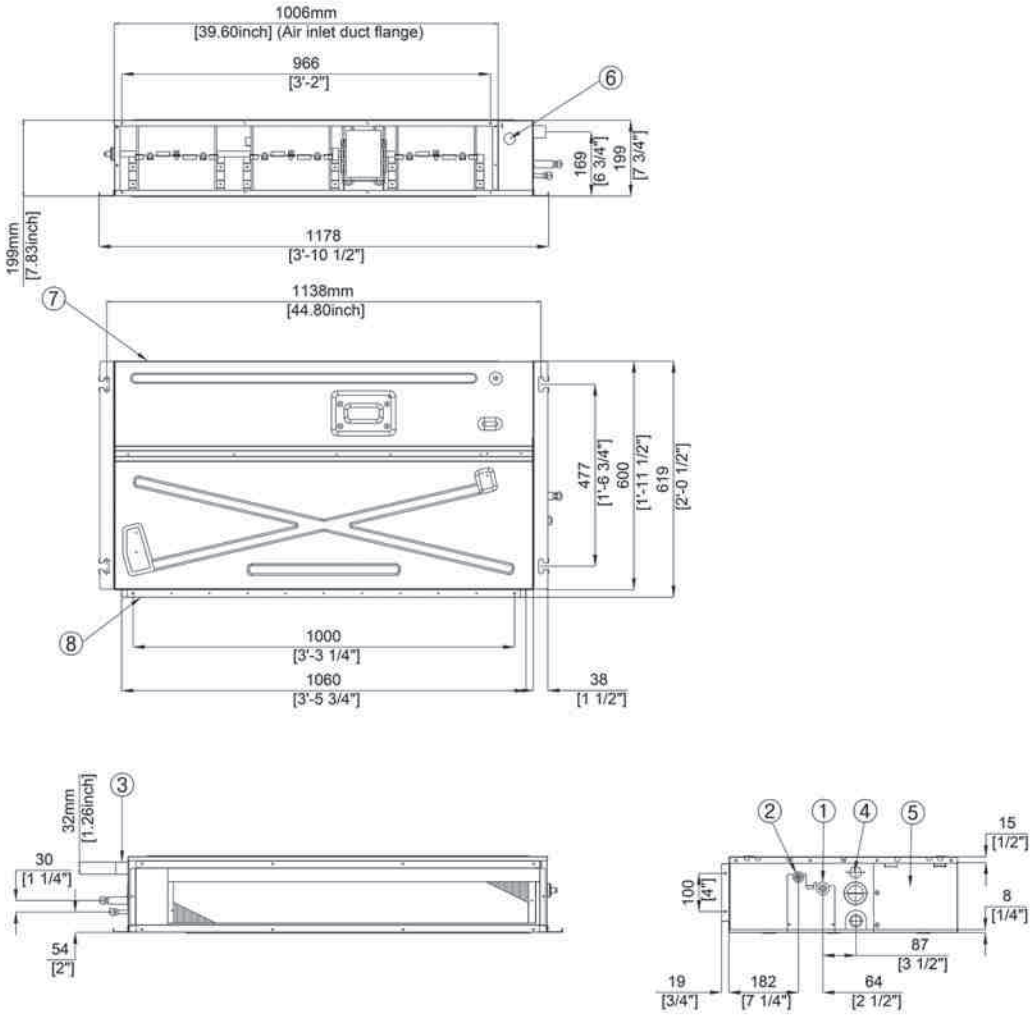
EHS TDM Duct

DIMENSIONAL DRAWINGS

NH045/056LHXEA



Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain pipe (without drain pump)
4	Drain pipe (with drain pump)
5	Power and communication wiring conduits
6	Power supply connection
7	Return air side
8	Air outlet duct flange

EHS TDM High Wall

SPECIFICATIONS

NH022/028/036NHXEA



Model Code		NH022NHXEA	NH028NHXEA	NH036NHXEA
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz
Current Input (Nominal)	Cooling	0.16A	0.16 A	0.18 A
Capacity	Cooling [kW]	2.2 kW	2.8 kW	3.6 kW
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A(Fluorinated greenhouse gas)	R410A(Fluorinated greenhouse gas)
External Dimension (Indoor Unit)	Net Weight(kg)	7.8 kg	7.8 kg	7.8 kg
	Net Dimensions (WxHxD) (mm)	825 x 285 x 189 mm	825 x 285 x 189 mm	825 x 285 x 189 mm
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) (mm)	900 x 349 x 252 mm	900 x 349 x 252 mm	900 x 349 x 252 mm

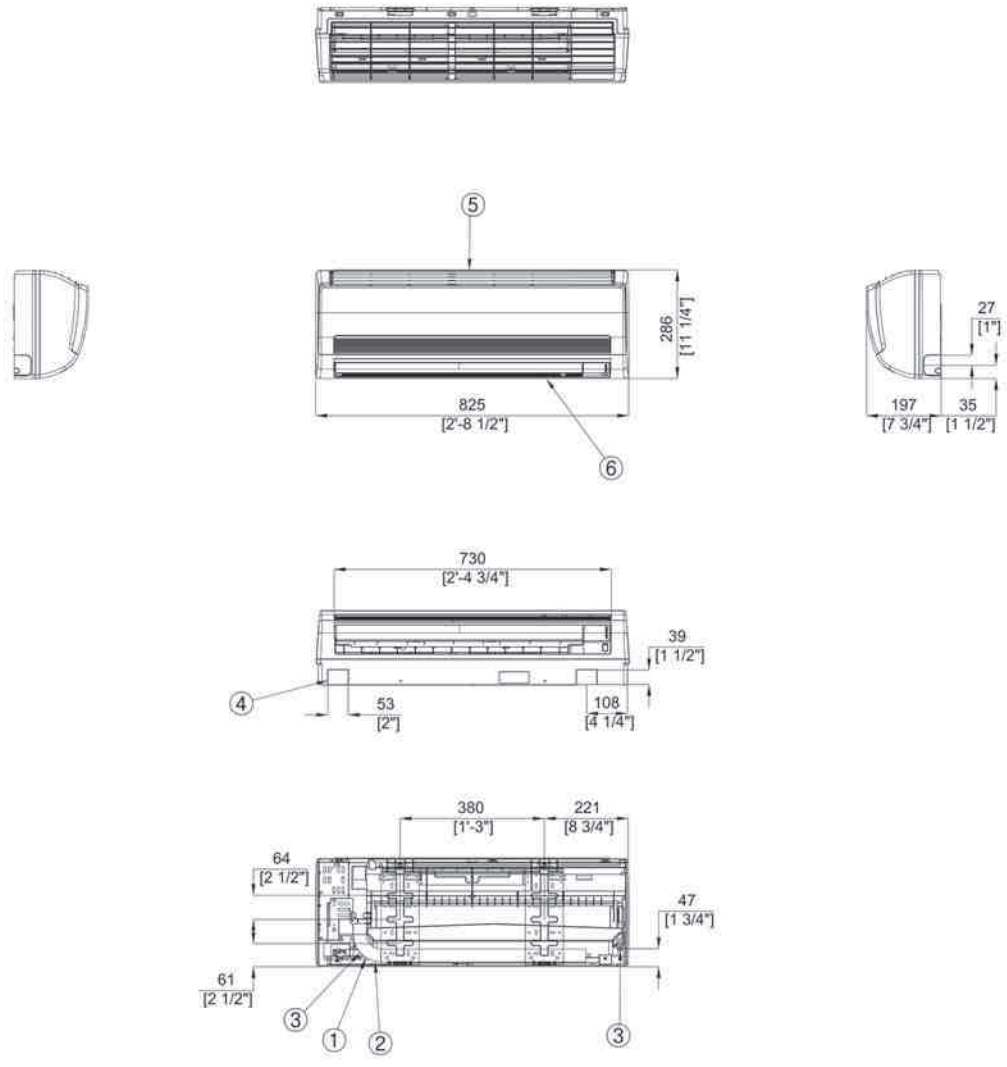
EHS TDM High Wall

DIMENSIONAL DRAWINGS

NH022/028/036NHXEA



Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Air inlet grille
6	Air outlet louver

EHS TDM High Wall

SPECIFICATIONS

NH056/071NHXEA



Model Code		NH056NHXEA	NH071NHXEA
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1 / 220 - 240 V / 50 Hz	1 / 220 - 240 V / 50 Hz
Current Input (Nominal)	Cooling	0.27 A	0.3 A
Capacity	Cooling [kW]	5.6 kW	7.1 kW
Refrigerant	Type	R410A (Fluorinated greenhouse gas)	R410A (Fluorinated greenhouse gas)
External Dimension (Indoor Unit)	Net Weight(kg)	13 kg	13 kg
	Net Dimensions (WxHxD) (mm)	1099 x 315 x 217 mm	1099 x 315 x 217mm
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) (mm)	1,137 x 377 x 299 mm	1,137 x 377 x 299 mm

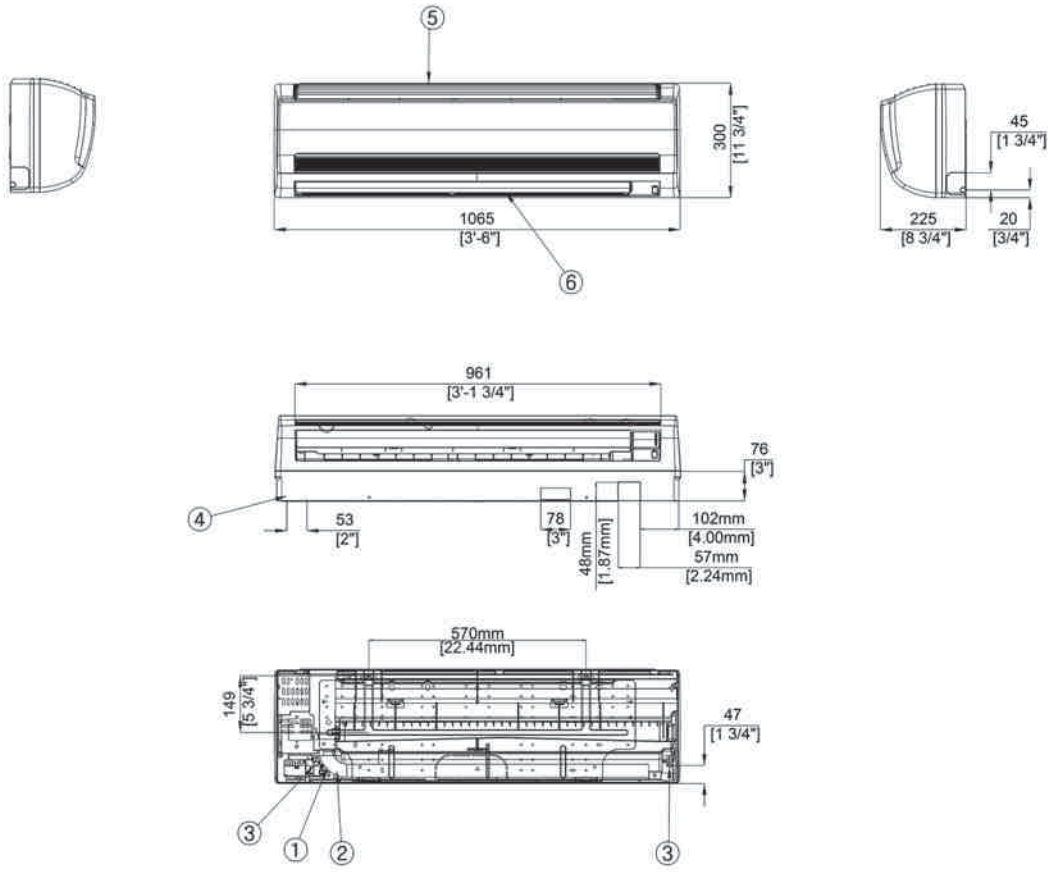
EHS TDM High Wall

DIMENSIONAL DRAWINGS

NH056/071NHXEA



Units: mm



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Condensate drain
4	Power and communication wiring conduits
5	Air inlet grille
6	Air outlet louver

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