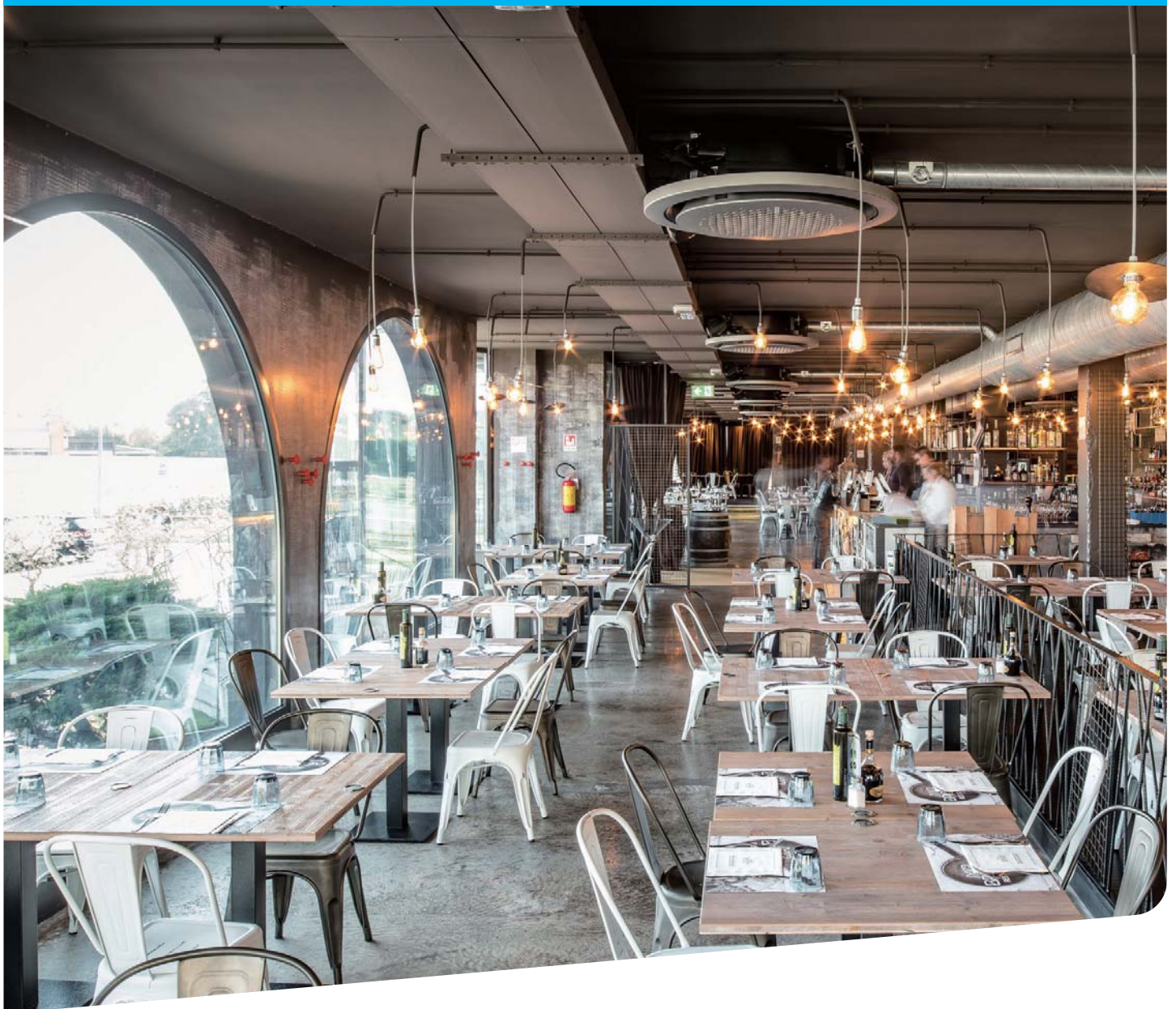


Samsung Air Conditioning Solutions 2018/2019

Africa Spec Catalogue

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



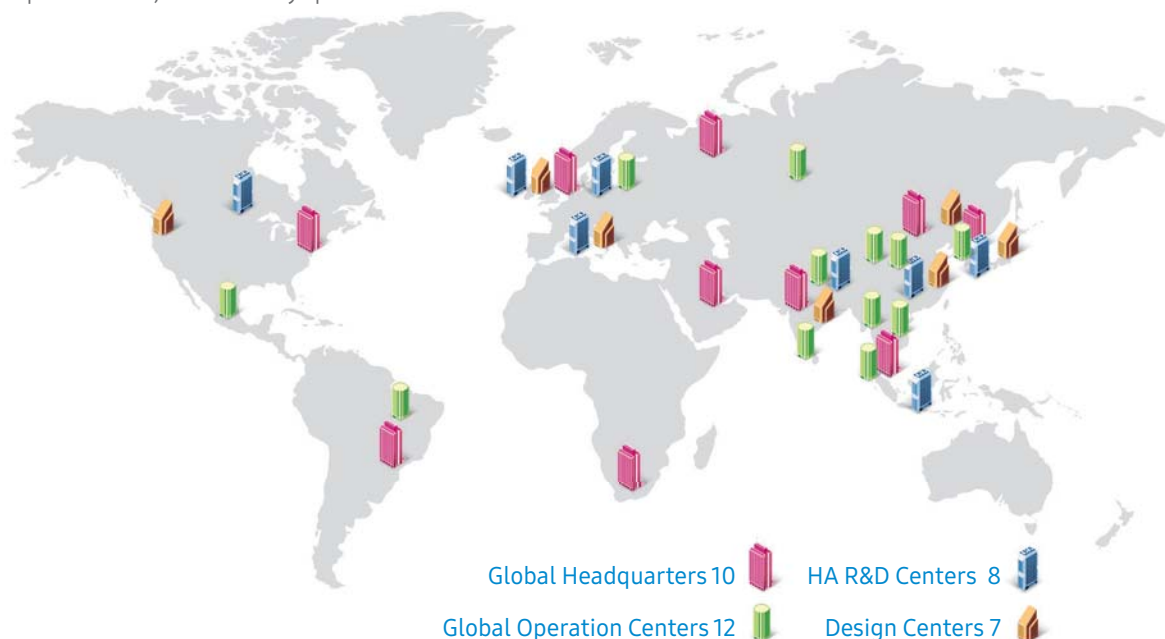
SAMSUNG

Samsung

Moving with, and ahead of, our customers

Overseas Industry Leaders – Global Network

Samsung has strong business foundations in more than 75 countries. Through the diverse views and talents of its employees, Samsung can understand and adapt to markets, wherever they operate.



Samsung Air Conditioning

Samsung has been manufacturing air conditioning systems for almost 40 years, utilizing 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.

Samsung Air Conditioning

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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



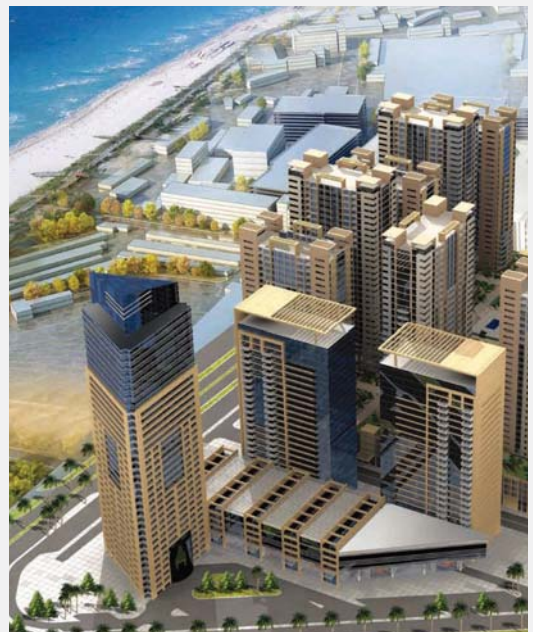
Location: China (Beijing)
Project: Industry & Technology Park



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

Samsung System Air Conditioner

Africa reference sites



Conakry, Guinea
Du Grand Palais Des Nations



Khartoum, Sudan
National Security Center



Kinshasa, DR Congo
Icon Tower



Mombasa, Kenya
English Point Marina



Accra, Ghana
Accra Financial Center



Gaborone, Botswana
Universal Plaza



Johannesburg, South Africa
The Houghton, Johannesburg



Africa Network

South Africa	• South Africa	• Botswana	• Namibia	• Swaziland	• Lesotho
	• Mauritius	• Re-union	• Comoros	• Mayott	• Madagascar
	• Zambia	• Angola	• Zimbabwe	• Malawi	• Mozambique
Nigeria	• Nigeria	• Benin	• Togo	• Chad	
Ghana	• Ghana	• Cameroon	• Cote-D'ivoire	• Sierra-Leone	• Liberia
	• Central African Rep				
Senegal	• Senegal	• Mali	• Gambia	• Guinea	• Mauritania
	• Niger	• Guinea-Bissau	• Burkina-Faso		
Kenya	• Kenya	• Rwanda	• Uganda	• Seychelles	• Burundi
	• Somalia	• Eritrea	• S.Sudan	• Tanzania	
	• DRC	• Gabon	• Congo	• Equatorial-Guinea	
	• Sao Tome & Principe				
	• N.Sudan	• Ethiopia	• Djibouti		

Product Categories

VRF

DVM S Commercial

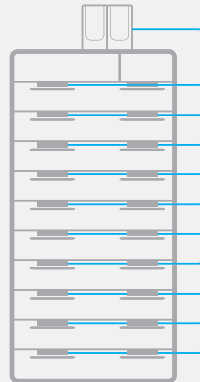
With its wide range of capacities and advanced technology, the DVM system is the perfect cooling and heating solution for any type of space from high-rise buildings to small commercial buildings.



DVM S



DVM S Eco



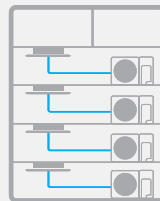
Single split

CAC 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.



Commercial Air Conditioner



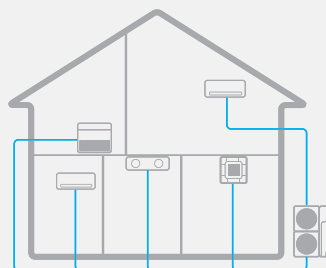
Multi split

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.



Free Joint Multi



Product Types



DVM S Heat Pump

DVM S Dessert

DVM S Eco Heat Pump

DVM S Eco Dessert

DVM S Cooling only

DVM S Eco Cooling only

Heat Pump

Cooling Only



DVM S HR

DVM Eco HR

Heat Recovery



DVM S Chiller

Modular Chiller



Max

Borarcay

Wall Mounted Type

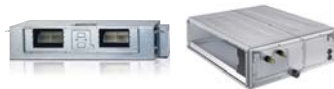


Console

Console Type



HSP Duct



MSP Duct



LSP Duct



OAP Duct

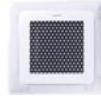
Duct Type



360 Cassette



4 Way Cassette



4 way



4 Way Cassette (600x600)



mini 4way



1 Way Cassette



1 way



2 Way Cassette

Cassette Type



Ceiling



Ceiling(Large)



Concealed



Packaged

Ceiling Type

Floor Standing Type



50°C



80°C

Hydro(Hot Water)



ERV Plus



ERV

Ventilation Unit




DVM S

Product overview





Outdoor Units

Model											
	DVM S	Super DVM	DVM S Cooling only	DVM S Desert	DVM S HR	DVM S Eco		DVM S Eco Cooling Only	DVM S Eco Desert	DVM S Eco HR	
						1ph	3ph			1ph	3ph
4						•	•	•	•	•	•
5						•	•	•	•	•	•
6						•	•	•	•	•	•
8	•		•	•	•		•	•	•		•
10	•		•	•	•		•	•	•		•
12	•		•	•	•		•	•	•		•
14	•	•	•	•	•		•	•	•		•
16	•	•	•	•	•						
18	•	•	•	•	•						
20	•	•	•	•	•						
22	•	•	•	•	•						
24	•	•	•	•	•						
26	•	•	•	•	•						
28		•	•		•						
30		•	•		•						

Cassette

Model								
	360 Cassette	4 Way	Wind-Free™ 4 Way	4 Way (600x600)	Wind-Free™ 4 Way (600x600)	1 Way	Wind-Free™ 1 Way	2 Way
1.5				•	•			
1.7				•	•			
2.2				•	•			
2.8				•	•			
3.6				•	•			
4.5	•	•	•	•	•			
5.6	•	•	•	•	•			•
6.0				•	•			
7.1	•	•	•			•	•	•
9.0	•	•	•					
11.2	•	•	•					
12.8	•	•	•					
14.0	•	•	•					

Duct



Model				
	HSP	MSP (Drain Pump Included)	LSP (Drain Pump Included)	OAP (Outdoor Air Processing duct)
1.7			•	
2.2			•	
2.8			•	
3.6			•	
4.5			•	
5.6			•	
7.1			•	
9.0			•	
11.2			•	
12.8	•	•	•	
14.0	•	•	•	
16.0		•		•
18.0	•			
20.0				
22.0	•			•
28.0	•			•

Concerning exact capacity for each model above, please refer to the specification sheet in detail.



DVM S

Product overview

Wall Mounted



Model			
		Boracay	MAX
Capacity (kW)	1.5	•	
	2.2	•	
	2.8	•	
	3.6	•	
	4.5	•	
	5.6	•	
	7.1	•	
9.3		•	

Console & Ceiling



Model			
		Console	Ceiling
Capacity (kW)	2.2	•	
	2.8	•	
	3.6	•	
	4.5	•	
	5.6	•	(•)*
	7.1		(•)*
	11.2		
14.0		•	

*Ceiling can be installed vertically to the surface as console.

Floor Standing

Model			
		Concealed	Packaged
Capacity (kW)	3.6	•	
	5.6	•	
	7.1	•	
	14.0		•
	28.0		•

Hydro Unit

Model				
		Hydro (50°C)	Hydro HT(80°C)	
		1ph	1ph	3ph
Capacity (kW)	16.0	•	•	•
	25.0		•	•
	31.5	•		
	50.4	•		

Ventilation

Model			
		ERV Plus	ERV
Capacity (CMH)	260		•
	350		•
	500	•	•
	800		•
	1000	•	•

DVM Chiller

Model			
			Embedded Water Pump
Capacity (RT)	12.0	•	•
	16.0	•	•
	18.0	•	•

Concerning exact capacity for each model above, please refer to the specification sheet in detail.

DVM S

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 third-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 air conditioning system is ideal for various environments, including large commercial and 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 optimizing space with efficient design.
- **Improved heating performance.** Enhance airflow with smarter, more efficient heating technology in cold weather 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, 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.
- **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

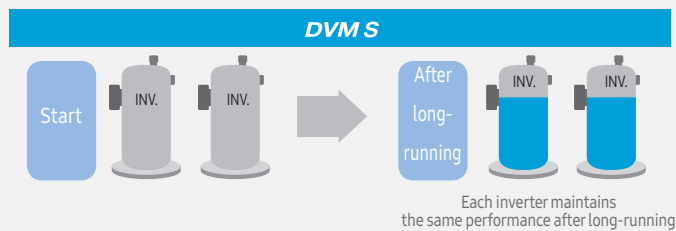
Reliable performance and durability

Stabilize operations with improved reliability and durability

Samsung is dedicated to supporting comfortable living and working environments based on the strength of its technologies. With its robust design, DVM S delivers the reliability and durability that users need to ensure consistent performance at all times.

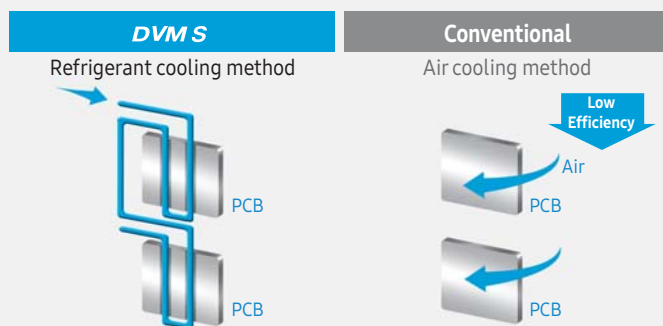
Extend compressor longevity with balanced operation

With conventional systems, one compressor operates longer than the other, which results in one compressor wearing down faster than the other. However, the DVM S DDI system offers balanced compressor operation for improved durability and longevity and lower replacement costs.



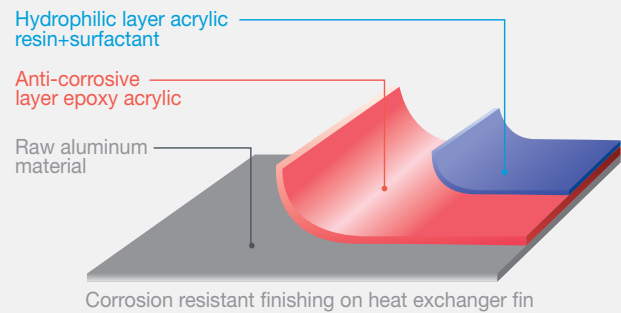
Refrigerant Cooling System

Refrigerant cooling system is not affected by the ambient temperature. Using refrigerant cooling system, DVM S ensures better stability than conventional air cooling system.



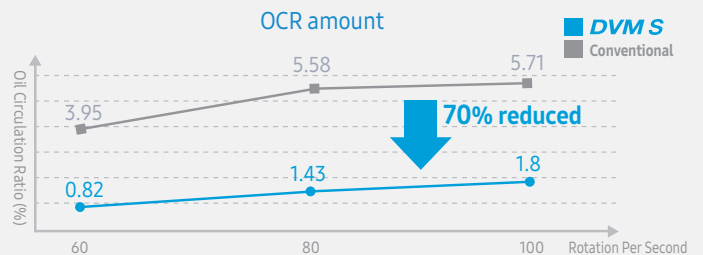
Protect your investment with corrosion and frost resistance
DVM S includes a hydrophilic coating that facilitates efficient heat exchange and delays the onset of frost formation to provide consistent heating performance. An anti-corrosive coating also helps units to resist corrosion from the elements, with:

- Epoxy acrylic coating
- Acrylic and surfactant coating



Rely on resilient performance with high oil storage capacity

With its large oil storage capacity and low Oil Circulation Ratio (OCR), DVM S can ensure reliable performance even for installations with long piping and high elevation.



DVM S

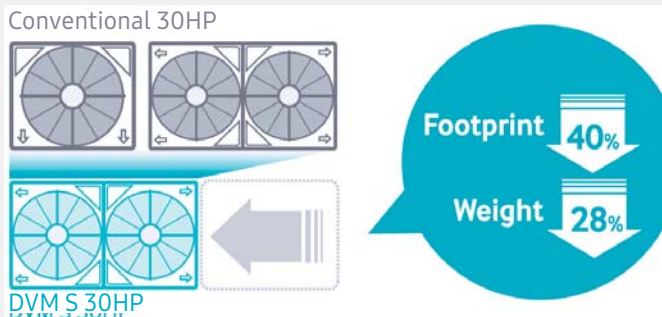
Flexible installation

Reduce expenses with installation designed to be easy and flexible

The simplified yet powerful design of the DVM S unit eases the installation process. Non-polar communication between indoor and outdoor units promotes easier and safer wiring work, because the outdoor unit protects itself if the communication cable is mistakenly connected to a power terminal.

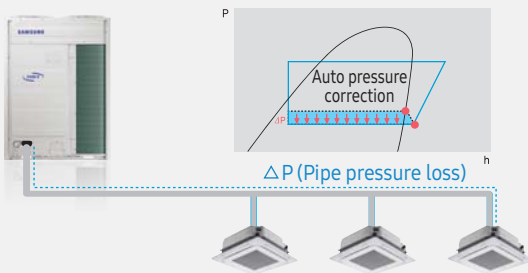
Lower setup costs with a smaller footprint and lighter weight

At 30 horsepower (HP), the large-unit capacity of DVM S facilitates economical installation with a smaller footprint and lighter weight—an ideal solution for larger buildings.

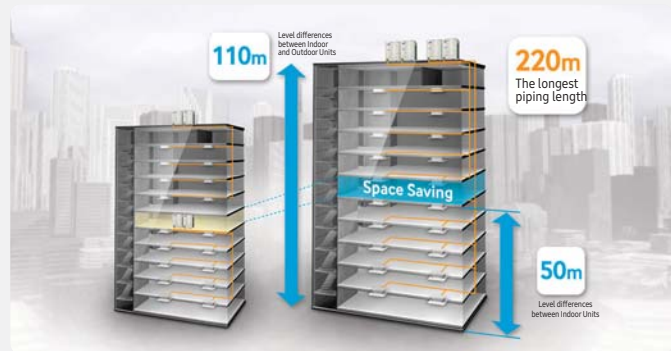


Optimized refrigerant distribution control

DVM S compensates for the long piping distance between outdoor units and indoor units by providing balanced refrigerant distribution. The individual indoor units perform capacity connection control and automatic refrigerant balancing to ensure balanced performance between the units.

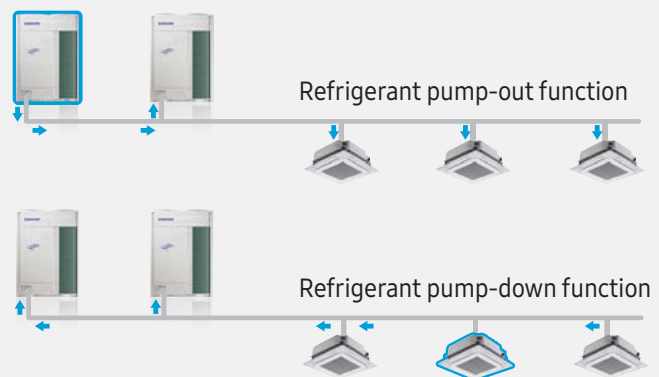


Flexible installation with extended pipe length and elevation DVM S provides extended piping length of up to 220m (721.79 ft.) and installation height of up to 110m (360.89 ft.), offering businesses more installation options. The piping distance is far between outdoor and indoor units, so individual indoor units perform capacity connection control and automatic refrigerant equalization for more balanced performance between units.



Refrigerant pump-down and pump-out

DVM S provides refrigerant pump-down and pump-out functionality to simplify unit replacement, and ease additional installations and maintenance. When the outdoor unit requires maintenance, the refrigerant can recover into outdoor units and pipes. The refrigerant can also recover into outdoor units when moving indoor units or maintaining pipes.



DVM S

Year-round climate control

Make residents feel at home with an advanced operating system and flexible temperature control

Samsung DVM S is the best solution for residential buildings requiring a flexible, efficient and reliable air conditioning system. Smart Discharge Temperature Control enables operators to control the temperature without changing the outdoor unit's setting. Instead, each duct has an indoor discharge temperature control function to provide year-round comfort, whether in cooling or heating operation mode.

Lessen disruptions with 12-hour quiet operation

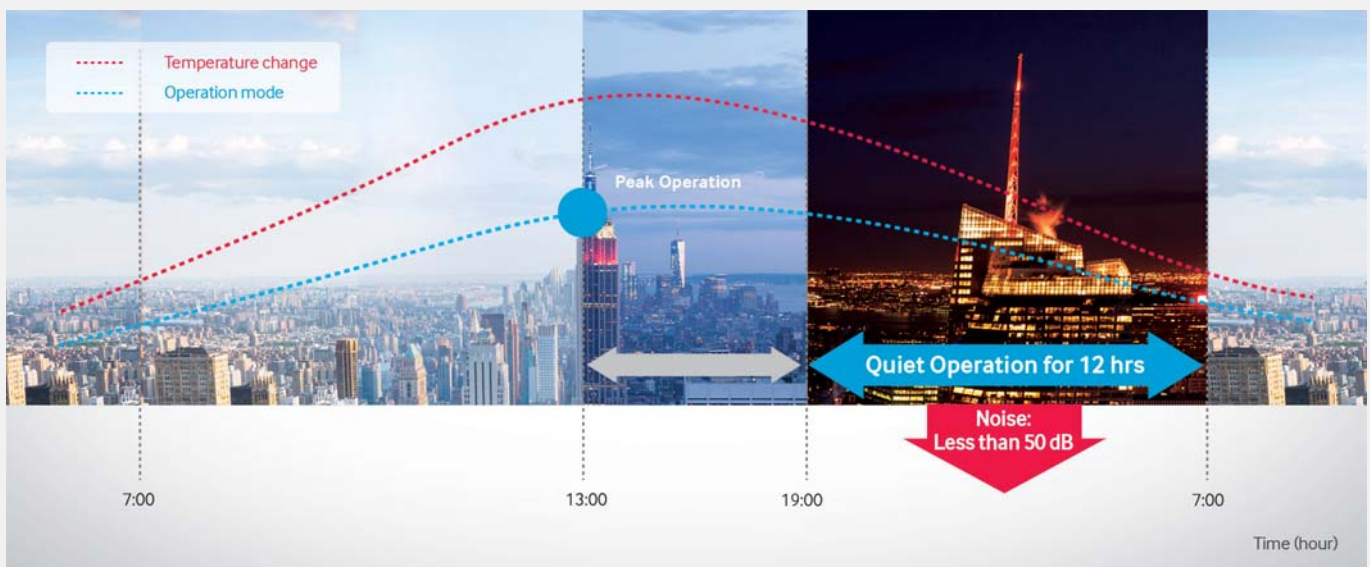
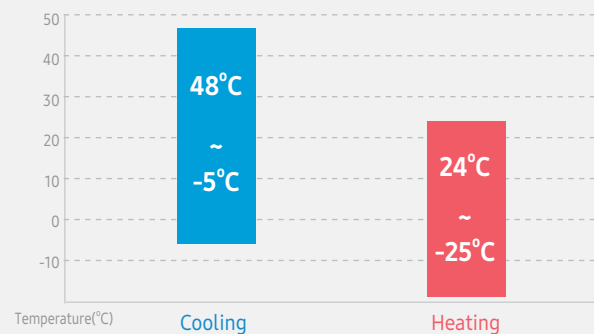
DVM S outdoor fans include an operation control system that drastically reduces noise levels. Quiet operation continues for 12 hours, so residents can relax and rest peacefully with less distraction during the night.

Minimize 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 minimize noise. With the upgraded Night Silent Control feature, users can manage the noise control function whenever they want, using the external controller.

Weather a wide range of outdoor temperatures comfortably

No matter how extreme the temperature gets, the high-performing DVM S can handle the conditions—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.



DVM S

Smart management

Monitor and resolve system issues remotely with a smart management system

DVM S features a smart, web-based management system for ultimate convenience. 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.

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.

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.



Control your cooling anywhere

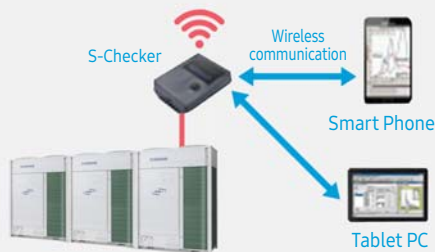
An optional Wi-Fi Kit lets you remotely control up to 16 indoor units using an App*. you can switch them on and off, select the operating mode and temperature, and utilize other functions, at any time and from anywhere.



* Available on iPhones and Android devices. A Wi-Fi connection is required.

DVM S

Wifi connection → Check multiple outdoor equipment simultaneously



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.



DVM S

Improved heating performance and High energy efficiency

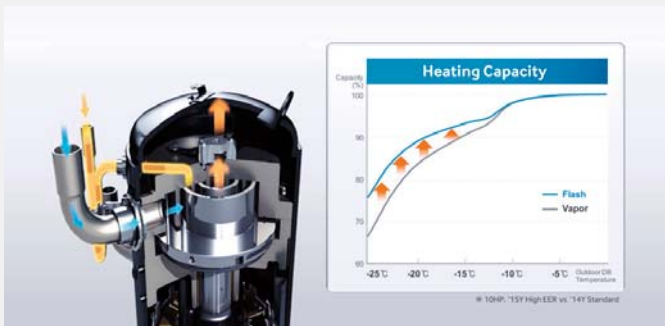
DVM S

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.

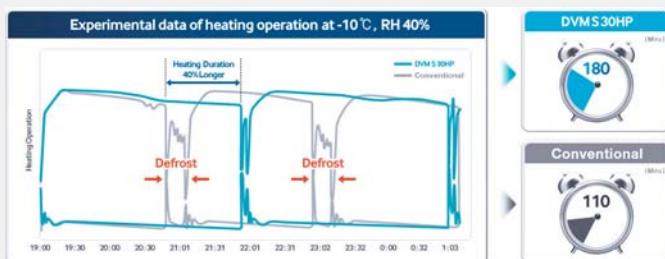
Improved flash injection

Featuring advanced refrigerant control technology, Samsung's flash injection extends heating operation range at -25°C by increasing ref. flow by 32%. 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. Precise defrost judgment avoids unnecessary defrosting thanks to the partial load and lower ambient temperature operation. Ultimately, users can enjoy less energy waste and more continuous heating time.

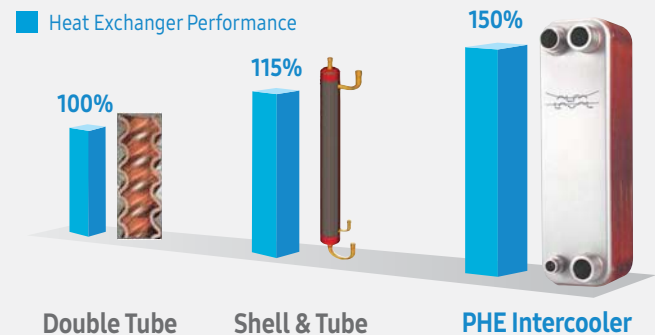


Maintain optimal comfort and control with energy- and cost-efficient technologies

Samsung DVM S features several smart technologies that combine to deliver world-class energy efficiency and economy.

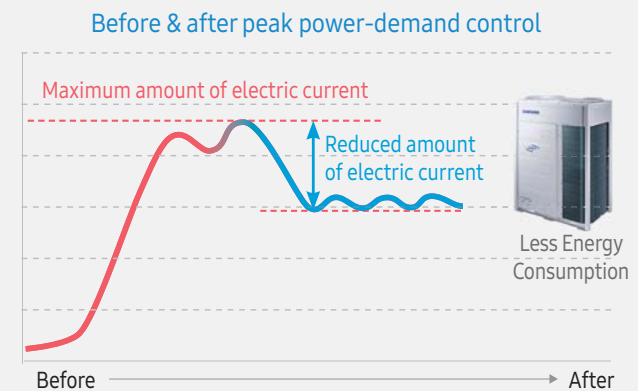
Reduce maintenance and energy costs with intercoolers

DVM S features a PHE type intercooler, which improves cooling and heating efficiency by 30 percent compared to Shell & Tube and Double Tube type intercoolers. The higher heat exchange rate means optimal distribution, lowering maintenance and energy costs.



Limit power consumption with peak-demand control



To help businesses manage better power consumption and related costs better, DVM S offers power-demand control for peak hours and seasons. This is especially useful when the electrical supply is insufficient or when businesses want to block excessive and wasteful energy usage.





DVM S

Combination table

DVM EER Modulation

Image											
		8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP
Module	Single	AM080FXVAGH/EU	AM100FXVAGH/EU	AM120FXVAGH/EU	AM140FXVAGH/EU	AM160FXVAGH/EU	AM180FXVAGH/EU	AM200FXVAGH/EU	AM220FXVAGH/EU	AM240HXVAGH/EU	AM260HXVAGH/EU
		8HP	AM080FXVAGH/EU	1							
10HP	AM100FXVAGH/EU		1								
12HP	AM120FXVAGH/EU			1							
14HP	AM140FXVAGH/EU				1						
16HP	AM160FXVAGH/EU					1					
18HP	AM180FXVAGH/EU						1				
20HP	AM200FXVAGH/EU							1			
22HP	AM220FXVAGH/EU								1		
24HP	AM240HXVAGH/EU									1	
26HP	AM260HXVAGH/EU										1
28HP	AM280HXVAGH1EU			1		1					
30HP	AM300HXVAGH1EU			1			1				
32HP	AM320HXVAGH1EU			1				1			
34HP	AM340HXVAGH1EU			1					1		
36HP	AM360HXVAGH1EU				1				1		
38HP	AM380HXVAGH1EU					1			1		
40HP	AM400HXVAGH1EU				1						1
42HP	AM420HXVAGH1EU							1	1		
44HP	AM440HXVAGH1EU								2		
46HP	AM460HXVAGH1EU			2					1		
48HP	AM480HXVAGH1EU			1	1				1		
50HP	AM500HXVAGH1EU			1		1			1		
52HP	AM520HXVAGH1EU			1			1		1		
54HP	AM540HXVAGH1EU			1				1	1		
56HP	AM560HXVAGH1EU			1					2		
58HP	AM580HXVAGH1EU				1				2		
60HP	AM600HXVAGH1EU					1			2		
62HP	AM620HXVAGH1EU						1		2		
64HP	AM640HXVAGH1EU							1	2		
66HP	AM660HXVAGH1EU								3		
68HP	AM680HXVAGH1EU			2					2		
70HP	AM700HXVAGH1EU			1	1				2		
72HP	AM720HXVAGH1EU			1		1			2		
74HP	AM740HXVAGH1EU			1			1		2		
76HP	AM760HXVAGH1EU			1				1	2		
78HP	AM780HXVAGH1EU			1					3		
80HP	AM800HXVAGH1EU				1				3		

DVM Compact Modulation

Image											
		8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP
Module	Single	AM080FXVAGH2EU	AM100FXVAGH2EU	AM120FXVAGH2EU	AM140FXVAGH2EU	AM160FXVAGH2EU	AM180FXVAGH2EU	AM200FXVAGH2EU	AM220FXVAGH2EU	AM240HXVAGH2EU	AM260HXVAGH2EU
		36HP	AM360HXVAGH2EU			1					
38HP	AM380HXVAGH2EU			1							1
46HP	AM460HXVAGH2EU							1			1
48HP	AM480HXVAGH2EU								1		1
50HP	AM500HXVAGH2EU									1	1
52HP	AM520HXVAGH2EU										2
58HP	AM580HXVAGH2EU			1				1			1
60HP	AM600HXVAGH2EU			1					1		1
62HP	AM620HXVAGH2EU			1						1	1
64HP	AM640HXVAGH2EU			1						1	2
68HP	AM680HXVAGH2EU								2	1	
70HP	AM700HXVAGH2EU								2		1
72HP	AM720HXVAGH2EU								1	1	1
74HP	AM740HXVAGH2EU								1		2
76HP	AM760HXVAGH2EU									1	2
78HP	AM780HXVAGH2EU										3

DVM S

Specification



Model Code		AM080FXVAGH/EU	AM100FXVAGH/EU	AM120FXVAGH/EU	AM140FXVAGH/EU	AM160FXVAGH/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
Performance (Nominal)	HP	8.00	10.00	12.00	14.00	16.00
Capacity	Cooling [kW]	22.40	28.00	33.60	40.00	45.00
	Cooling [Btu/h]	76,400	95,500	114,600	136,500	153,500
	Heating [kW]	25.20	31.50	37.80	45.00	50.40
	Heating [Btu/h]	86,000	107,500	129,000	153,500	172,000
Power Input (Nominal)	Cooling 1) [kW]	5.00	6.80	8.40	8.90	11.00
	Heating 2) [kW]	5.10	6.70	8.70	9.50	11.50
Energy Efficiency	EER (Nominal Cooling)	4.48	4.12	4.00	4.49	4.09
	COP (Nominal Heating)	4.94	4.70	4.34	4.74	4.38
Fan	Air Flow Rate (High / Mid / Low) [CMM]	170	170	220	255	255
Piping Connections	Installation Max. Length [m]	200	200	200	200	200
	Installation Max. Height [m]	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	57.0	58.0	62.0	61.0	63.0
	Sound Power [dB(A)]	77.0	79.0	81.0	81.0	83.0
External Dimension (Outdoor Unit)	Net Weight [kg]	190.0	190.0	190.0	235.0	278.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765

Model Code		AM180FXVAGH/EU	AM200FXVAGH/EU	AM220FXVAGH/EU	AM240HXVAGH/EU	AM260HXVAGH/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
Performance (Nominal)	HP	18.00	20.00	22.00	24.00	26.00
Capacity	Cooling [kW]	50.40	56.00	61.60	67.20	72.80
	Cooling [Btu/h]	172,000	191,100	210,200	229,300	248,400
	Heating [kW]	56.70	63.00	69.31	75.60	81.90
	Heating [Btu/h]	193,500	215,000	236,500	258,000	279,500
Power Input (Nominal)	Cooling 1) [kW]	12.88	15.19	17.35	17.10	19.30
	Heating 2) [kW]	11.90	13.90	16.70	19.80	21.80
Energy Efficiency	EER (Nominal Cooling)	3.91	3.69	3.55	3.93	3.77
	COP (Nominal Heating)	4.76	4.53	4.15	3.82	3.76
Fan	Air Flow Rate (High / Mid / Low) [CMM]	290	290	290	310	310
Piping Connections	Installation Max. Length [m]	200	200	200	200	200
	Installation Max. Height [m]	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	64.0	65.0	66.0	67.0	67.0
	Sound Power [dB(A)]	86.0	87.0	89.0	91.0	91.0
External Dimension (Outdoor Unit)	Net Weight [kg]	300.0	300.0	300.0	360.0	360.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765

* Product Specifications in the publication can be changed without prior notice, because there is always ongoing improvement in our products.

1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Super DVM

The world's largest capacity

World's biggest capacity

The Super DVM with the world's largest capacity in the most compact package, the Super DVM is powerful and highly energy efficient. So you can save costs and space, while providing more reliable coverage across larger areas.



More choice of capacity, even less cost

As a single unit, it offers a wide range of capacities from 8HP to 30HP. It's the world's first system to offer a single 30HP unit, so you can reduce the installation and management costs and save valuable space.



More usable space - no compromise

Its compact size leaves you plenty of extra space that can be used for other purposes without compromising on performance thanks to its highly efficient Inverter Scroll Compressor and Hybrid heat exchanger.

Maximize heating and cooling capacity with a conveniently sized design

To maximize profitability and value, an efficient use of space is critical for any business. Samsung Super DVM provides the world's largest heating and cooling capacity without increasing its size enabling businesses to use their space more efficiently.



Super DVM

Innovative technology

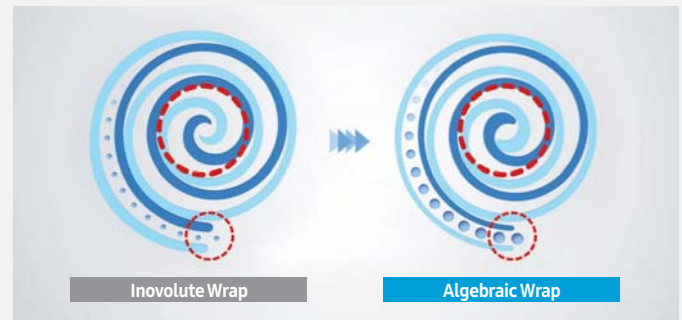
Advanced performance & energy efficiency

Its advanced technology radically improves performance and reduces wasted energy. It includes a highly efficient Inverter Scroll Compressor, an innovative Hybrid heat exchanger and a large capacity diffuser.



Asymmetric algebraic scroll

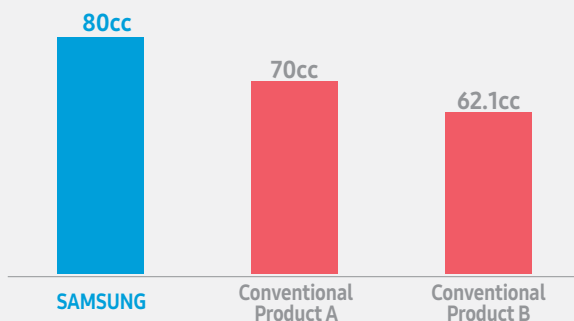
Super DVM applies a fluid, asymmetric algebraic scroll design that minimizes compression loss and maximizes performance during refrigerant compression. Compared with the involute, the scroll design is thickened toward the center, thus efficiency is higher.



Improved winding wire

Featuring the world's largest 80cc/rev compressor, Samsung has developed the outdoor unit with.

The Largest Capacity Compressor





Instant shut off and gas leak protection

There's no need to worry about gas leaks or the accidental loss of refrigerant. A Gas Leak Operation System quickly detects a gas leak, automatically takes the pump down a step, and cuts off the refrigerant supply.



Super DVM

Combination table

Image										
		14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP
Module	Single	AM140KXVAGH/TK	AM160KXVAGH/TK	AM180KXVAGH/TK	AM200KXVAGH/TK	AM220KXVAGH/TK	AM240KXVAGH/TK	AM260KXVAGH/TK	AM280KXVAGH/TK	AM300KXVAGH/TK
		14HP	AM140KXVAGH/TK	1						
16HP	AM160KXVAGH/TK		1							
18HP	AM180KXVAGH/TK			1						
20HP	AM200KXVAGH/TK				1					
22HP	AM220KXVAGH/TK					1				
24HP	AM240KXVAGH/TK						1			
26HP	AM260KXVAGH/TK							1		
28HP	AM280KXVAGH/TK								1	
30HP	AM300KXVAGH/TK									1
32HP	AM320KXVAGH/TK	1		1						
34HP	AM340KXVAGH/TK		1	1						
36HP	AM360KXVAGH/TK	1				1				
38HP	AM380KXVAGH/TK		1			1				
40HP	AM400KXVAGH/TK			1		1				
42HP	AM420KXVAGH/TK				1	1				
44HP	AM440KXVAGH/TK	1								1
46HP	AM460KXVAGH/TK		1							1
48HP	AM480KXVAGH/TK			1						1
50HP	AM500KXVAGH/TK				1					1
52HP	AM520KXVAGH/TK					1				1
54HP	AM540KXVAGH/TK						1			1
56HP	AM560KXVAGH/TK							1		1
58HP	AM580KXVAGH/TK								1	1
60HP	AM600KXVAGH/TK									2
62HP	AM620KXVAGH/TK	1		1						1
64HP	AM640KXVAGH/TK		1	1						1
66HP	AM660KXVAGH/TK			2						1
68HP	AM680KXVAGH/TK			1	1					1
70HP	AM700KXVAGH/TK			1		1				1
72HP	AM720KXVAGH/TK				1	1				1
74HP	AM740KXVAGH/TK					2				1
76HP	AM760KXVAGH/TK					1	1			1
78HP	AM780KXVAGH/TK					1		1		1
80HP	AM800KXVAGH/TK					1			1	1
82HP	AM820KXVAGH/TK					1				2
84HP	AM840KXVAGH/TK						1			2
86HP	AM860KXVAGH/TK							1		2
88HP	AM880KXVAGH/TK								1	2
90HP	AM900KXVAGH/TK									3

Super DVM Specification



Model Code		AM140KXVAGH/TK	AM160KXVAGH/TK	AM180KXVAGH/TK	AM200KXVAGH/TK	AM220KXVAGH/TK
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
Performance (Nominal)	HP	14.00	16.00	18.00	20.00	22.00
Capacity	Cooling [kW]	40.00	45.00	50.40	56.00	61.60
	Cooling [Btu/h]	136,500	153,500	172,000	191,100	210,200
	Heating [kW]	45.00	50.40	56.70	63.00	69.30
	Heating [Btu/h]	153,500	172,000	193,500	215,000	236,500
Power Input (Nominal)	Cooling 1) [kW]	10.93	12.10	12.60	14.18	17.35
	Heating 2) [kW]	10.16	11.61	11.91	13.91	16.70
Energy Efficiency	EER (Nominal Cooling)	3.66	3.72	4.00	3.95	3.55
	COP (Nominal Heating)	4.43	4.34	4.76	4.53	4.15
Fan	Air Flow Rate (High / Mid / Low) [CMM]	255	255	290	290	290
Piping Connections	Installation Max. Length [m]	200	200	200	200	200
	Installation Max. Height [m]	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	61.0	63.0	64.0	65.0	65.0
	Sound Power [dB(A)]	81.0	83.0	84.0	87.0	89.0
External Dimension (Outdoor Unit)	Net Weight [kg]	226.0	253.0	255.0	277.0	285.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765

Model Code		AM240KXVAGH/TK	AM260KXVAGH/TK	AM280KXVAGH/TK	AM300KXVAGH/TK
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
Performance (Nominal)	HP	24.00	26.00	28.00	30.00
Capacity	Cooling [kW]	67.20	72.80	78.60	84.00
	Cooling [Btu/h]	229,300	248,400	268,200	286,600
	Heating [kW]	75.60	81.90	88.20	94.50
	Heating [Btu/h]	258,000	279,500	301,000	322,400
Power Input (Nominal)	Cooling 1) [kW]	17.10	18.91	20.68	22.70
	Heating 2) [kW]	17.42	18.00	20.18	20.59
Energy Efficiency	EER (Nominal Cooling)	3.93	3.85	3.80	3.70
	COP (Nominal Heating)	4.34	4.55	4.37	4.59
Fan	Air Flow Rate (High / Mid / Low) [CMM]	340	340	340	340
Piping Connections	Installation Max. Length [m]	200	200	200	200
	Installation Max. Height [m]	110.0	110.0	110.0	110.0
Refrigerant	Type	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	66.0	66.0	69.0	69.0
	Sound Power [dB(A)]	89.0	89.0	90.0	90.0
External Dimension (Outdoor Unit)	Net Weight [kg]	333.0	333.0	342.0	350.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765



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1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

DVM S Cooling Only

Combination table

Image													
	Single	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24 HP	26HP	28HP	30HP
Module		AM080MXVAGC***	AM100MXVAGC***	AM120MXVAGC***	AM140MXVAGC***	AM160MXVAGC***	AM180MXVAGC***	AM200MXVAGC***	AM220MXVAGC***	AM240MXVAGC***	AM260MXVAGC***	AM280MXVAGC***	AM300MXVAGC***
8HP	AM080MXVAGC***	1											
10HP	AM100MXVAGC***		1										
12HP	AM120MXVAGC***			1									
14HP	AM140MXVAGC***				1								
16HP	AM160MXVAGC***					1							
18HP	AM180MXVAGC***						1						
20HP	AM200MXVAGC***							1					
22HP	AM220MXVAGC***								1				
24HP	AM240MXVAGC***									1			
26HP	AM260MXVAGC***										1		
28HP	AM280MXVAGC***											1	
30HP	AM300MXVAGC***												1
32HP	AM320MXVAGC***		1						1				
34HP	AM340MXVAGC***			1					1				
36HP	AM360MXVAGC***				1				1				
38HP	AM380MXVAGC***					1			1				
40HP	AM400MXVAGC***						1		1				
42HP	AM420MXVAGC***							1	1				
44HP	AM440MXVAGC***								2				
46HP	AM460MXVAGC***					1							1
48HP	AM480MXVAGC***						1						1
50HP	AM500MXVAGC***							1					1
52HP	AM520MXVAGC***								1				1
54HP	AM540MXVAGC***									1			1
56HP	AM560MXVAGC***										1		1
58HP	AM580MXVAGC***											1	1
60HP	AM600MXVAGC***												2
62HP	AM620MXVAGC***		1						1				1
64HP	AM640MXVAGC***			1					1				1
66HP	AM660MXVAGC***				1				1	1			1
68HP	AM680MXVAGC***					1			1				1
70HP	AM700MXVAGC***						1		1				1
72HP	AM720MXVAGC***							1	1				1
74HP	AM740MXVAGC***								2				1
76HP	AM760MXVAGC***								1	1			1
78HP	AM780MXVAGC***								1		1		1
80HP	AM800MXVAGC***								1			1	1
82HP	AM820MXVAGC***								1				2
84HP	AM840MXVAGC***									1			2
86HP	AM860MXVAGC***										1		2
88HP	AM880MXVAGC***											1	2
90HP	AM900MXVAGC***												3

DVM S Cooling Only Specification



Model Code		AM080MXVAGC/TL	AM100MXVAGC/TL	AM120MXVAGC/TL	AM140MXVAGC/TL	AM160MXVAGC/TL	AM180MXVAGC/TL
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	3,4,380-415,50
Performance (Nominal)	HP	8.00	10.00	12.00	14.00	16.00	18.00
Capacity	Cooling [kW]	22.40	28.00	33.60	40.00	45.00	50.40
	Cooling [Btu/h]	76,400	95,500	114,600	136,500	153,500	172,000
	Heating [kW]	-	-	-	-	-	-
	Heating [Btu/h]	-	-	-	-	-	-
Power Input (Nominal)	Cooling 1) [kW]	4.98	6.36	8.62	10.08	12.10	14.20
	Heating 2) [kW]	-	-	-	-	-	-
Energy Efficiency	EER (Nominal Cooling)	4.5	4.4	3.9	3.97	3.72	3.55
	COP (Nominal Heating)	-	-	-	-	-	-
Fan	Air Flow Rate [CMM]	170	170	220	255	255	290
Piping Connections	Installation Max. Length [m]	200	200	200	200	200	200
	Installation Max. Height [m]	110	110	110	110	110	110
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure [dB(A)]	57	58	62	61	63	64
	Sound Power [dB(A)]	77	79	81	81	83	84
External Dimension (Outdoor Unit)	Net Weight [kg]	185.0	185.0	190.0	225.0	252.0	252.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765

Model Code		AM200MXVAGC/TL	AM220MXVAGC/TL	AM240MXVAGC/TL	AM260MXVAGC/TL	AM280MXVAGC/TL	AM300MXVAGC/TL
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	3,4,380-415,50
Performance (Nominal)	HP	20.00	22.00	24.00	26.00	28.00	30.00
Capacity	Cooling [kW]	56.00	61.60	67.20	72.80	78.60	84.00
	Cooling [Btu/h]	191,100	210,200	229,300	248,400	268,200	286,600
	Heating [kW]	-	-	-	-	-	-
	Heating [Btu/h]	-	-	-	-	-	-
Power Input (Nominal)	Cooling 1) [kW]	16.62	19.68	17.87	21.41	23.39	26.33
	Heating 2) [kW]	-	-	-	-	-	-
Energy Efficiency	EER (Nominal Cooling)	3.37	3.13	3.76	3.4	3.36	3.19
	COP (Nominal Heating)	-	-	-	-	-	-
Fan	Air Flow Rate [CMM]	290	290	320	320	340	340
Piping Connections	Installation Max. Length [m]	200	200	200	200	200	200
	Installation Max. Height [m]	110	110	110	110	110	110
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
Sound 5)	Sound Pressure [dB(A)]	65	65	67	67	69	69
	Sound Power [dB(A)]	87	89	89	89	90	90
External Dimension (Outdoor Unit)	Net Weight [kg]	280.0	280.0	322.0	330.0	342	350
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765

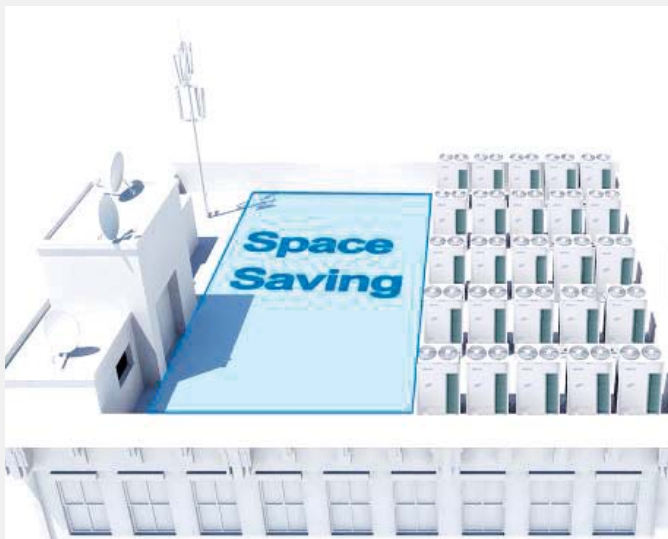
* Product Specifications in the publication can be changed without prior notice, because there is always ongoing improvement in our products.

- 1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.
- 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

DVM S Desert

Maximize heating and cooling capacity with a conveniently sized design

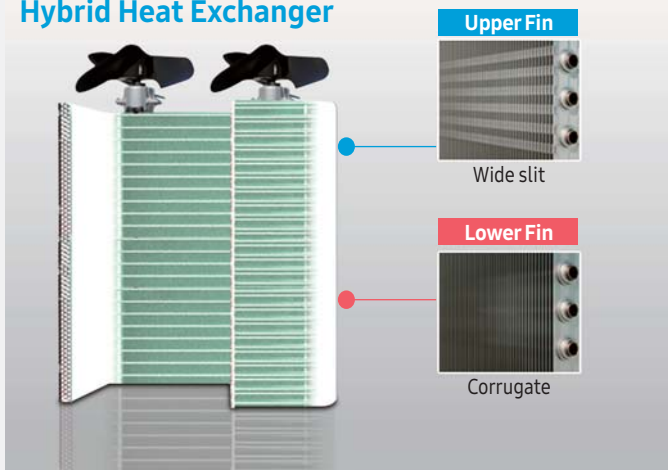
To maximize profitability and value, an efficient use of space is critical for any business. Samsung DVM S Desert provides the world's largest heating and cooling capacity—without increasing its size—enabling businesses to use their space more efficiently.



Hybrid heat exchanger

The DVM S Desert hybrid heat exchanger offers a 49 percent larger heat transfer area, and a double layer that balances refrigerant flow. Refrigerant pressure drop is minimized by applying a different tube diameter in accordance with the refrigerant property.

Hybrid Heat Exchanger



Economical installation with world largest capacity

DVM S Desert provides the world's largest capacity so users can install a DVM with smaller footprint area and lighter weight.



Enhanced refrigerant cooling

The newly designed refrigerant cooling is unaffected by ambient temperature and can refrigerate stably even during partial load operation. Heat transfer efficiency is improved by 59 percent, with 65 percent less refrigerant pressure. The enhanced refrigerant cooling can operate efficiently under ambient conditions even with a bigger capacity of 24HP.

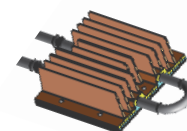
Conventional



New design






8 HP~ 20 HP



22 / 24HP

DVM S Desert

Combination table

Image										
		8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP
Module	Single	AM080FXVCGH/ID	AM100FXVCGH/ID	AM120FXVCGH/ID	AM140FXVCGH/ID	AM160FXVCGH/ID	AM180HXVCNH/ID	AM200HXVCNH/ID	AM220KXVJNH/ID	AM240KXVJNH/ID
		8HP	AM080FXVCGH/ID	1						
10HP	AM100FXVCGH/ID		1							
12HP	AM120FXVCGH/ID			1						
14HP	AM140FXVCGH/ID				1					
16HP	AM160FXVCGH/ID					1				
18HP	AM180HXVCNH/ID						1			
20HP	AM200HXVCNH/ID							1		
22HP	AM220KXVJNH/ID								1	
24HP	AM240KXVJNH/ID									1
26HP	AM260KXVJGH/ID		1			1				
28HP	AM280KXVJGH/ID		1				1			
30HP	AM300KXVJGH/ID		1					1		
32HP	AM320KXVJGH/ID		1						1	
34HP	AM340KXVJGH/ID		1							1
36HP	AM360KXVJGH/ID			1						1
38HP	AM380KXVJGH/ID						1	1		
40HP	AM400KXVJGH/ID							2		
42HP	AM420KXVJGH/ID						1			1
44HP	AM440KXVJGH/ID							1		1
46HP	AM460KXVJGH/ID								1	1
48HP	AM480KXVJGH/ID									2
50HP	AM500KXVJGH/ID		1					2		
52HP	AM520KXVJGH/ID			1				2		
54HP	AM540KXVJGH/ID				1			2		
56HP	AM560KXVJGH/ID					1		2		
58HP	AM580KXVJGH/ID						1	2		
60HP	AM600KXVJGH/ID							3		
62HP	AM620KXVJGH/ID							2	1	
64HP	AM640KXVJGH/ID							2		1
66HP	AM660KXVJGH/ID							1	1	1
68HP	AM680KXVJGH/ID							1		2
70HP	AM700KXVJGH/ID								1	2
72HP	AM720KXVJGH/ID									3
74HP	AM740KXVJGH/ID				1			3		
76HP	AM760KXVJGH/ID					1		3		
78HP	AM780KXVJGH/ID						1	3		
80HP	AM800KXVJGH/ID							4		
82HP	AM820KXVJGH/ID			1					1	2
84HP	AM840KXVJGH/ID			1						3
86HP	AM860KXVJGH/ID				1					3
88HP	AM880KXVJGH/ID					1				3
90HP	AM900KXVJGH/ID						1			3
92HP	AM920KXVJGH/ID							1		3
94HP	AM940KXVJGH/ID								1	3
96HP	AM960KXVJGH/ID									4

DVM S Desert Specification



Model Code		AM080FXVCGH/ID	AM100FXVCGH/ID	AM120FXVCGH/ID	AM140FXVCGH/ID	AM160FXVCGH/ID
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
Performance (Nominal)	HP	8.00	10.00	12.00	14.00	16.00
Capacity	Cooling 1) [kW]	22.40	28.00	33.60	40.00	45.00
	Cooling 1) [Btu/h]	76,400	95,500	114,600	136,500	153,500
	Cooling 3) [kW]	22.40	25.00	28.90	35.30	40.30
	Cooling 3) [Btu/h]	76,400	85,300	98,600	120,400	137,500
	Heating 2) [kW]	25.20	31.50	37.80	45.00	50.40
	Heating 2) [Btu/h]	86,000	107,500	129,000	153,500	172,000
Power Input (Nominal)	Cooling 1) [kW]	5.00	6.80	8.12	8.90	11.00
	Cooling 3) [kW]	6.90	8.20	9.05	11.45	13.68
	Heating 2) [kW]	5.10	6.70	8.13	9.50	11.25
COP	Nominal Cooling 1)	4.48	4.12	4.14	4.49	4.09
	Nominal Cooling 3)	3.25	3.05	3.19	3.08	2.95
	Nominal Heating 2)	4.94	4.70	4.65	4.74	4.48
Fan	Air Flow Rate (High / Mid / Low) [CMM]	170	205	255	255	255
Piping Connections	Installation Max. Length [m]	200	200	200	200	200
	Installation Max. Height [m]	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	57.0	58.0	61.0	62.0	62.0
	Sound Power [dB(A)]	77.0	79.0	81.0	83.0	84.0
External Dimension (Outdoor Unit)	Net Weight [kg]	190.0	190.0	235.0	278.0	292.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765

Model Code		AM180HXVCNH/ID	AM200HXVCNH/ID	AM220KXVJNH/ID	AM240KXVJNH/ID
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	3,4,380-415,50/60
Performance (Nominal)	HP	18.00	20.00	22.00	24.00
Capacity	Cooling 1) [kW]	50.40	56.00	61.60	67.20
	Cooling 1) [Btu/h]	172,000	191,100	210,200	229,300
	Cooling 3) [kW]	44.30	47.00	53.90	58.00
	Cooling 3) [Btu/h]	151,200	160,400	183,900	197,900
	Heating 2) [kW]	56.70	63.00	69.30	75.60
	Heating 2) [Btu/h]	193,500	215,000	236,500	258,000
Power Input (Nominal)	Cooling 1) [kW]	12.30	14.00	15.50	17.10
	Cooling 3) [kW]	15.00	16.50	19.00	20.50
	Heating 2) [kW]	12.40	14.18	15.80	17.42
COP	Nominal Cooling 1)	4.10	4.00	3.97	3.93
	Nominal Cooling 3)	2.95	2.85	2.84	2.83
	Nominal Heating 2)	4.57	4.44	4.39	4.34
Fan	Air Flow Rate (High / Mid / Low) [CMM]	310	310	340	340
Piping Connections	Installation Max. Length [m]	200	200	200	200
	Installation Max. Height [m]	110.0	110.0	110.0	110.0
Refrigerant	Type	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	63.0	64.0	66.0	66.0
	Sound Power [dB(A)]	86.0	87.0	89.0	89.0
External Dimension (Outdoor Unit)	Net Weight [kg]	325.0	325.0	333.0	333.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765

* Product Specifications in the publication can be changed without prior notice, because there is always ongoing improvement in our products.
1) Nominal cooling capacities are based on:
Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.
2) Nominal heating capacities are based on:
Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.
3) Nominal cooling at 46°C Capacities are based on:
Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 46°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

DVM S HR

Premium Heat Recovery

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.

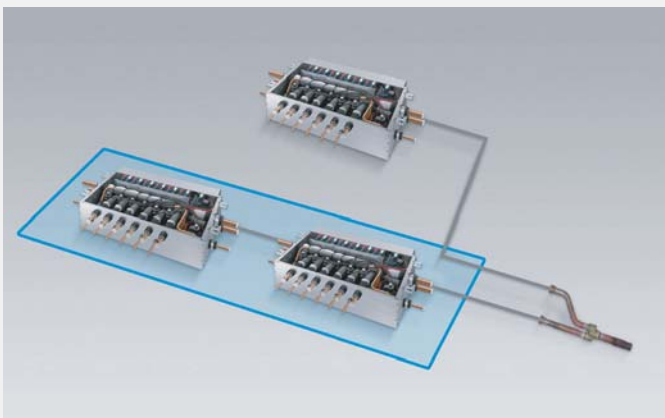
Non-stop heating

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.



Reduction of installation effort thanks to flexible MCU.

- 1/2/4/6 port MCU line up
- Available Series Connection
- Max. IDU No. of 8units per1 Port
- Auto address
- Cooling only IDU Connection
- Max. capacity of 16kW per port



Series connection

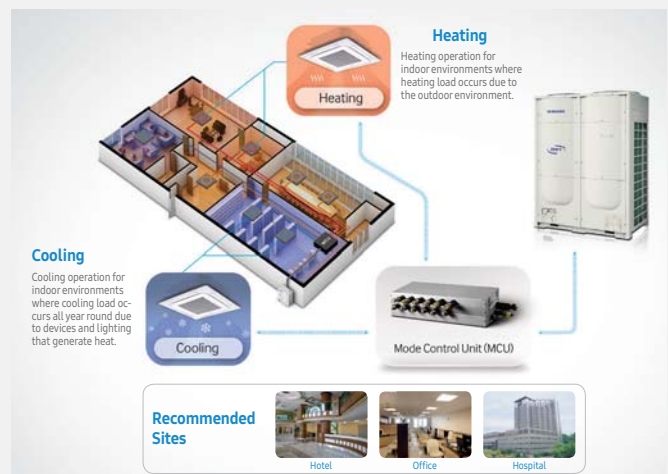
Simultaneous cooling and heating

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 percent 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 HR

Combination table

DVM S HR

(** : /ET, /EU)

Image													
		8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24 HP	26HP	28HP	30HP
Module		AM080FXVAGR/**	AM100FXVAGR/**	AM120FXVAGR/**	AM140FXVAGR/**	AM160FXVAGR/**	AM180FXVAGR/**	AM200FXVAGR/**	AM220FXVAGR/**	AM240MXVGNR/**	AM260MXVGNR/**	AM280MXVGNR/**	AM300MXVANR/**
8HP	AM080FXVAGR/**	1											
10HP	AM100FXVAGR/**		1										
12HP	AM120FXVAGR/**			1									
14HP	AM140FXVAGR/**				1								
16HP	AM160FXVAGR/**					1							
18HP	AM180FXVAGR/**						1						
20HP	AM200FXVAGR/**							1					
22HP	AM220FXVAGR/**								1				
24HP	AM240MXVGNR/**									1			
26HP	AM260MXVGNR/**										1		
28HP	AM280MXVGNR/**											1	
30HP	AM300MXVANR/**												1
32HP	AM320FXVGNR/**			1				1					
34HP	AM340FXVGNR/**			1					1				
36HP	AM360FXVGNR/**				1				1				
38HP	AM380FXVGNR/**					1			1				
40HP	AM400FXVGNR/**						1		1				
42HP	AM420FXVGNR/**							1	1				
44HP	AM440FXVGNR/**				1								1
46HP	AM460FXVGNR/**					1							1
48HP	AM480FXVGNR/**						1						1
50HP	AM500FXVGNR/**							1					1
52HP	AM520FXVGNR/**								1				1
54HP	AM540FXVGNR/**									1			1
56HP	AM560FXVGNR/**										1		1
58HP	AM580FXVGNR/**											1	1
60HP	AM600FXVGNR/**												2
62HP	AM620FXVGNR/**			1				1					1
64HP	AM640FXVGNR/**			1					1				1
66HP	AM660FXVGNR/**				1				1				1
68HP	AM680FXVGNR/**					1			1				1
70HP	AM700FXVGNR/**						1		1				1
72HP	AM720FXVGNR/**							1	1				1
74HP	AM740FXVGNR/**								2				1
76HP	AM760FXVGNR/**								1	1			1
78HP	AM780FXVGNR/**								1		1		1
80HP	AM800FXVGNR/**								1			1	1
82HP	AM820FXVGNR/**								1				2
84HP	AM840FXVGNR/**									1			2
86HP	AM860FXVGNR/**										1		2
88HP	AM880FXVGNR/**											1	2
90HP	AM900FXVGNR/**												3

DVM S HR

Specification



Model Code		AM080FXVAGR/EU	AM100FXVAGR/EU	AM120FXVAGR/EU	AM140FXVAGR/EU	AM160FXVAGR/EU	AM180FXVAGR/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	3,4,380-415,50
Performance (Nominal)	HP	8.00	10.00	12.00	14.00	16.00	18.00
	Capacity						
Capacity	Cooling 1) [kW]	22.40	28.00	33.60	40.00	45.00	50.40
	Cooling [Btu/h]	76,400	95,500	114,600	136,500	153,500	172,000
	Heating 2) [kW]	25.20	31.50	37.80	45.00	50.40	56.70
	Heating [Btu/h]	86,000	107,500	129,000	153,500	172,000	193,500
Power Input (Nominal)	Cooling 1) [kW]	5.00	6.80	8.40	8.90	11.00	12.88
	Heating 2) [kW]	5.10	6.70	8.70	9.50	11.50	11.90
Energy Efficiency	EER (Nominal Cooling)	4.48	4.12	4.00	4.49	4.09	3.91
	COP (Nominal Heating)	4.94	4.70	4.34	4.74	4.38	4.76
Fan	Air Flow Rate (High / Mid / Low) [CMM]	170	170	220	255	255	290
Piping Connections	Installation Max. Length [m]	200	200	200	200	200	200
	Installation Max. Height [m]	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	57.0	58.0	62.0	61.0	63.0	64.0
	Sound Power [dB(A)]	77.0	79.0	81.0	81.0	83.0	86.0
External Dimension (Outdoor Unit)	Net Weight [kg]	195.0	195.0	195.0	241.0	284.0	306.0
	Net Dimensions (WxHxD) [mm]	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765

Model Code		AM200FXVAGR/EU	AM220FXVAGR/EU	AM240MXVGNR/ET	AM260MXVGNR/ET	AM280MXVGNR/ET	AM300MXVANR/ET
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3, 4, 380-415, 50/60	3, 4, 380-415, 50/60	3, 4, 380-415, 50/60	3, 4, 380-415, 50/60
Performance (Nominal)	HP	20.00	22.00	24.00	26.00	28.00	30.00
	Capacity						
Capacity	Cooling 1) [kW]	56.00	61.60	67.2	72.8	78.6	84.0
	Cooling [Btu/h]	191,100	210,200	229,300	248,400	268,200	286,600
	Heating 2) [kW]	63.00	69.30	75.6	81.9	88.2	94.5
	Heating [Btu/h]	215,000	236,500	258,000	279,500	301,000	322,400
Power Input (Nominal)	Cooling 1) [kW]	15.19	17.35	16.00	17.33	19.65	22.70
	Heating 2) [kW]	13.90	16.70	15.43	17.06	18.77	20.59
Energy Efficiency	EER (Nominal Cooling)	3.69	3.55	4.20	4.20	4.00	3.70
	COP (Nominal Heating)	4.53	4.15	4.90	4.80	4.70	4.59
Fan	Air Flow Rate (High / Mid / Low) [CMM]	290	290	340	340	340	340
Piping Connections	Installation Max. Length [m]	200	200	200	200	200	200
	Installation Max. Height [m]	110.0	110.0	110.0	110.0	110.0	110.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	65.0	65.0	69	69	69	69
	Sound Power [dB(A)]	87.0	89.0	90	90	90	90
External Dimension (Outdoor Unit)	Net Weight [kg]	306.0	306.0	342.0	350.0	350.0	350.0
	Net Dimensions (WxHxD) [mm]	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765	1,295 x 1,795 x 765

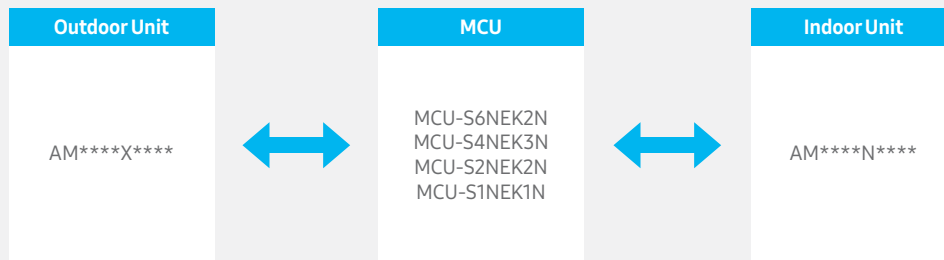
* Product Specifications in the publication can be changed without prior notice, because there is always ongoing improvement in our products.

1) Nominal cooling capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

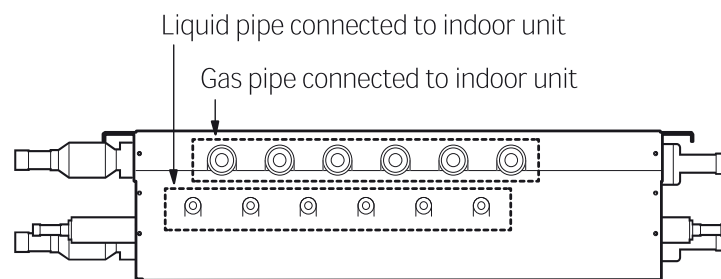
MCU (Mode Control Unit)

MCU indoor/outdoor unit compatibility table

Before installing MCU, refer to the compatibility table below and find the model before installation.

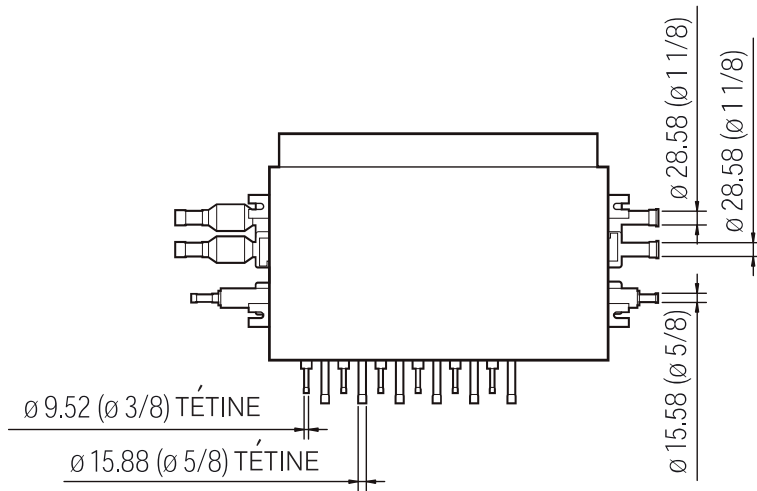


MCU Kit	Model	Description
	MCU-S6NEK2N	Below 61.6 kW (216MBH)
	MCU-S4NEK3N	Below 61.6 kW (216MBH)
	MCU-S2NEK2N	Below 32 kW (108MBH)
	MCU-S1NEK1N	Below 16 kW (54MBH)



Units: mm, inch

Side view of MCU



MCU

New Platform (1/2/4/6), 1Port-Multi & Serial Connection (MCU to MCU)

AS-WAS

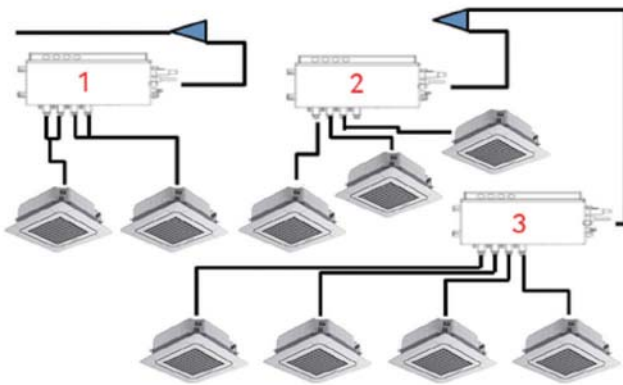
Line-up

- 1 Unit connection each port
- 1 Platform only

	1 Port	2 Port	4 Port	6 Port
Line-up	x	•	•	•
Dimension (W x H x D)	-	728 x 199 x 469		

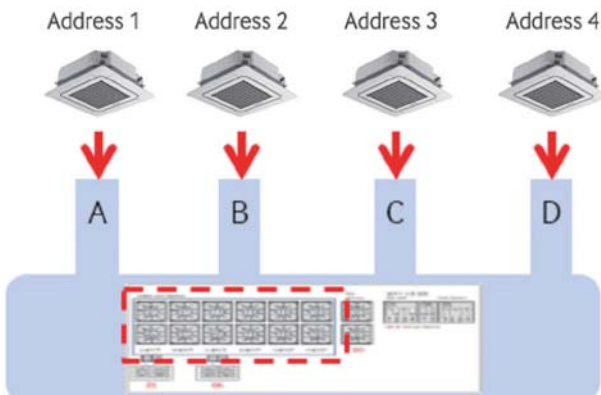
Multi connection

- Unavailable to connect multi-unit for 1 port
⇒ Cause MCU Kit installation increase



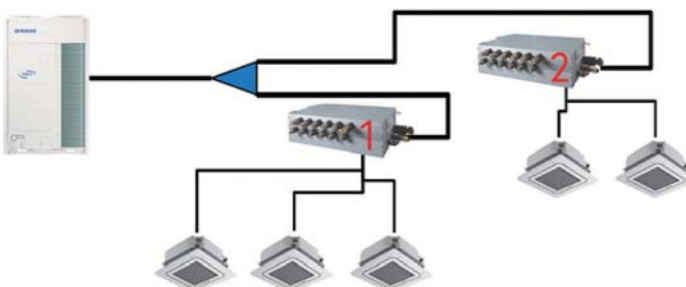
Auto addressing

- Indoor unit address is matched by MCU rotary S/W manually



Serial connection

- Serial connection is impossible



AS-IS

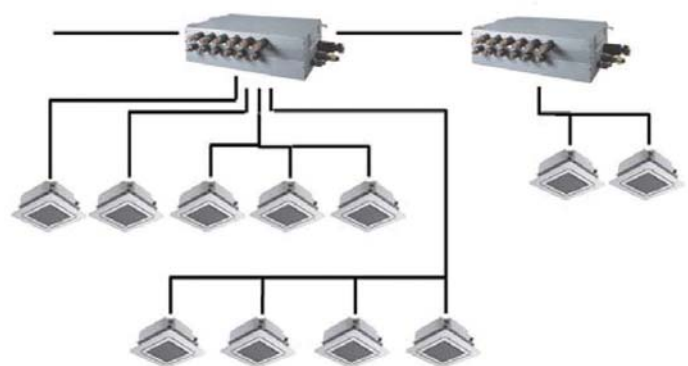
Line-up

Added 1 Port Line-up ⇒ Suitable for long distance installation
Applied new platform for 1 port = Volume 60%↓
Applicable from IDU and ODU of 2017 production

	1 Port	2 Port	4 Port	6 Port
Line-up	•	•	•	•
Dimension (W x H x D)	338 x 199 x 409	728 x 199 x 469		

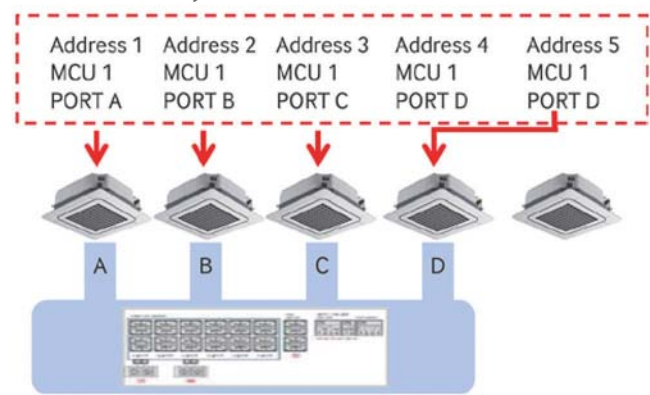
Multi connection

- Max, 8 units multi connection at 1 port
- "Serial connection" is available



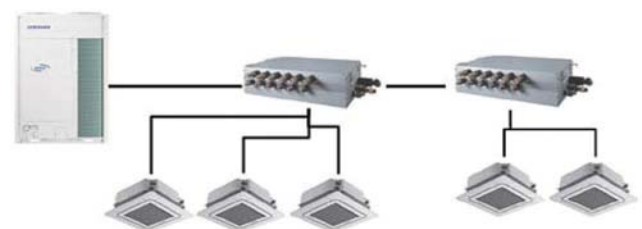
Auto addressing

- Indoor unit address is matched by indoor control automatically



Serial connection

Serial connection is possible ⇒ Pipelength↓



MCU

Specification

- Add 1 port line up
- Max 8 units Connects at 1 port
- Auto addressing
- Serial Connection is possible



Model Code		MCU-S1NEK1N	MCU-S2NEK2N	MCU-S4NEK3N	MCU-S6NEK2N
Type		MCU	MCU	MCU	MCU
Model Name		MCU-S1NEK1N	MCU-S2NEK2N	MCU-S4NEK3N	MCU-S6NEK2N
Power Supply [Φ, #, V, Hz]		1/2/220~240/50,1/2/208~230/60			
Mode		Heat Recovery	Heat Recovery	Heat Recovery	Heat Recovery
"Power Input (Nominal)"	Cooling [W]	19.0	25.0	40.0	55.0
	Heating [W]	19.0	25.0	40.0	55.0
Current Input (Nominal)"	Cooling [A]	0.2	0.2	0.2	0.3
	Heating [A]	0.2	0.2	0.2	0.3
Power	MCA [A]	2	2	2	2
	MFA [A]	15	15	15	15
Maximum number of connectable indoor units [EA]		8	16	32	32
Maximum number of connectable indoor unit per branch [EA]		8	8	8	8
Number of branches [EA]		1	2	4	6
Maximum Capacity of connectable indoor units [Btu/h / kW]		54,000/16.0	108,000/32.0	216,000/61.6	216,000/61.6
Maximum capacity of connectable indoor unit per branch [Btu/h / kW]		54,000/16.0	54,000/16.0	54,000/16.0	54,000/16.0
Maximum capacity of connectable indoor unit per branch (Y-Joint) [Btu/h / kW]			108,000/32.0	108,000/32.0	108,000/32.0
"Field Wiring"	Power Source Wire [mm2]	2.5	2.5	2.5	2.5
	Transmission Cable [mm2]	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5
Sound Pressure	Stable Cooling Operation [dB(A)]	33	34	36	36
	Heating-to-Cooling Change over [dB(A)]	50	50	50	50
Additional refrigerant charging [kg/unit]		0.5	0.5	0.5	0.5
"Piping Connections"	Liquid Pipe (Outdoor unit) [Φ, mm]	9.52	15.88	15.88	15.88
	Liquid Pipe (Outdoor unit) [Φ, inch]	3/8	5/8	5/8	5/8
	Gas Pipe (Outdoor unit) [Φ, mm]	22.22	28.58	28.58	28.58
	Gas Pipe (Outdoor unit) [Φ, inch]	7/8	11/8	11/8	11/8
	Discharge Gas Pipe (Outdoor unit) [Φ, mm]	19.05	28.58	28.58	28.58
	Discharge Gas Pipe (Outdoor unit) [Φ, inch]	3/4	11/8	11/8	11/8
	Liquid Pipe (Indoor unit) [Φ, mm]	9.52	9.52	9.52	9.52
	Liquid Pipe (Indoor unit) [Φ, inch]	3/8	3/8	3/8	3/8
	Gas Pipe (Indoor unit) [Φ, mm]	15.88	15.88	15.88	15.88
	Gas Pipe (Indoor unit) [Φ, inch]	5/8	5/8	5/8	5/8
"External Dimension"	Net Weight [kg]	11	21	24.5	28.5
	Shipping Weight [kg]	13.3	24.3	28.5	32.5
	Net Dimensions (WxHxD) [mm]	338 x 409 x 199 [1'-1 1/4"] x [7 7/8"] x [1'-4"]		728 x 469 x 199 [2'-4 5/8"] x [1'-6 4/16"] x [7 7/8"]	
	Shipping Dimensions (WxHxD) [mm]	628 x 586 x 252 [2'] x [1'-11"] x [9 3/4"]		1140 x 628 x 252 [3'-7 1/2"] x [2'-3/4"] x [9 3/4"]	
Operation limit	Cooling [°C]	-15~ 48	-15~ 48	-15~ 48	-15~ 48
	Heating [°C]	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24
Installation	-15 °C operation	"1port: Below 5 kW (17MBH)"	"1port: Below 5 kW (17MBH)"	"1port: Below 5 kW (17MBH)"	"1port: Below 5 kW (17MBH)"
		"2port: 5~16 kW (17 ~ 54MBH)"	"2port: 5~16 kW (17 ~ 54MBH)"	"2port: 5~16 kW (17 ~ 54MBH)"	"2port: 5~16 kW (17 ~ 54MBH)"
	The outdoor unit's PCB should be set for -15 °C cooling operation				
	When joining 2 ports in the MCU, use Y-joint (Liquid,Gas) offered				
1&2 ports MCU don't have Y-joint					

* NOTE

1) The sound value is measured in anechoic chamber.

2) The sound pressure value can be different depending on various factors such as background noise, sound reflection, operation condition, etc.

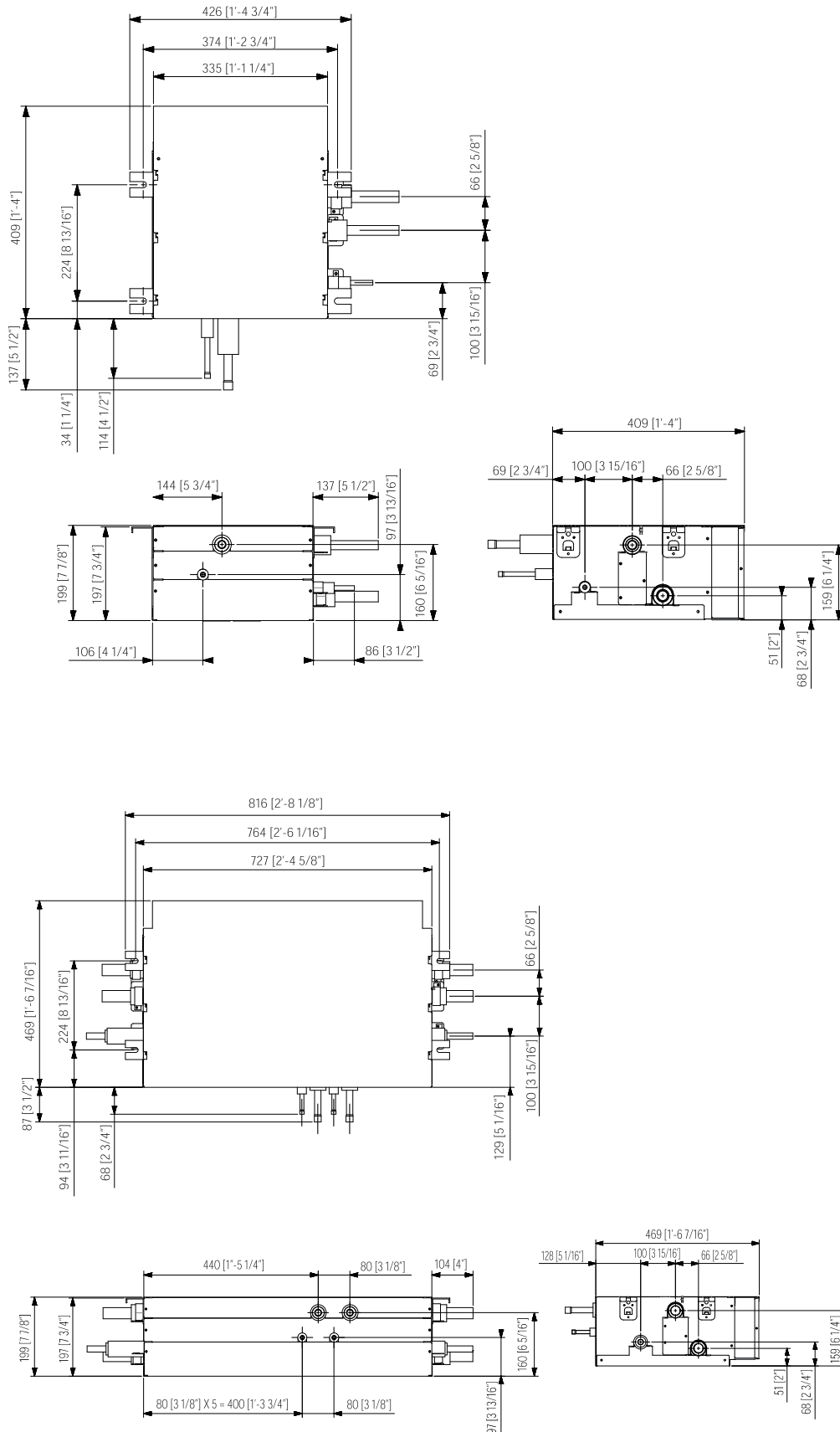
3) The sound of Heation-to-Cooling Change over is max value of transient sound during the mode change.

MCU

Dimensional Drawing MCU-S1NEK1N / MCU-S2NEK2N



Units: mm, inch

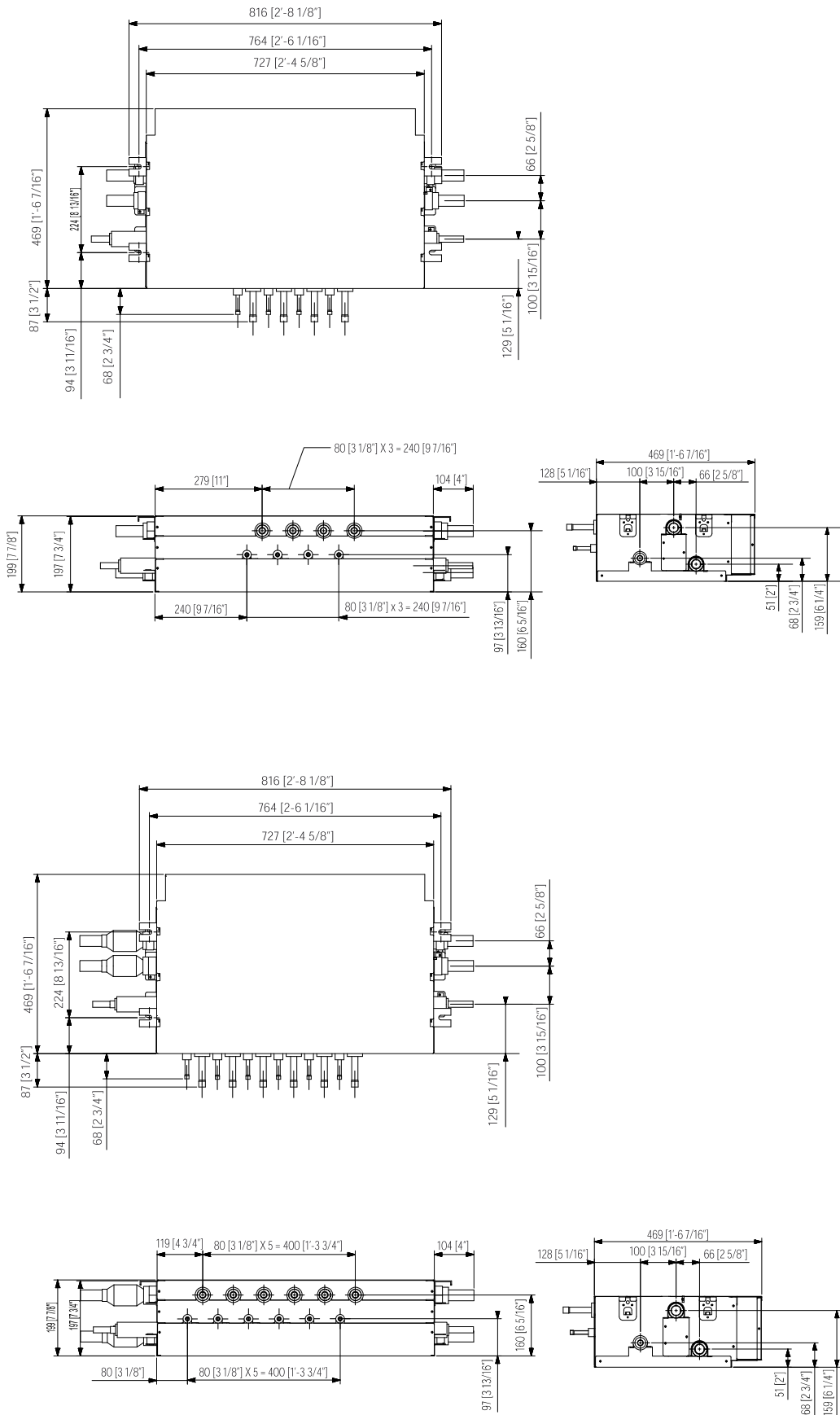


MCU

Dimensional Drawing MCU-S4NEK3N / MCU-S6NEK2N



Units: mm, inch



DVM S Eco

Big capacity. Big choice.

The DVM S Eco is the world's largest capacity and most compact side-discharge outdoor unit, which also offers a high level of energy efficiency. It's ideal for homes or business that need plenty of coverage, but only have limited space.

Best in class capacity

The DVM S Eco provides more coverage, but takes up less space. It has the largest capacity in its class of 14HP, enabling you to create a small footprint VRF solution. It is ideal for installation in places with limited space.



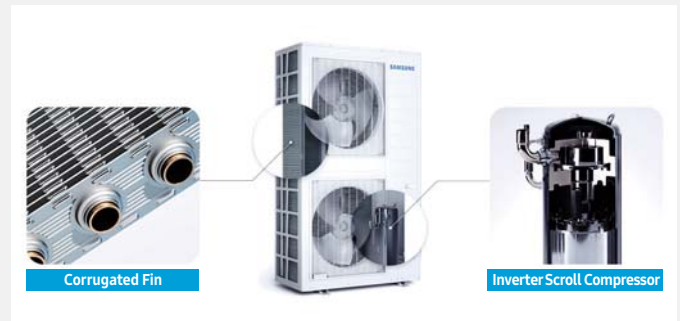
Compact design for extra flexibility

The most compact air conditioner in its class, the DVM S Eco is very easy and economical to install and operate without compromising on performance. It also leaves plenty of extra space that can be used for other purposes.



Advanced performance & energy efficiency

The DVM S Eco's advanced technology radically improves performance and reduces wasted energy. It includes an innovative Digital Inverter Compressor, an optimized heat exchanger with corrugated fins and highly efficient fans.



Improved reliability in cold conditions

Featuring advanced refrigerant control technology, the DVM S Eco's flash injection provides improved heating performance at -25°C. And it continues to perform even at lower temperatures, for reliable comfort when it's freezing.



Control your cooling anywhere

An optional Wi-Fi Kit lets you remotely control indoor units using a smartphone App*. Anytime and anywhere you can turn them on and off, select the operating mode and temperature and utilize other functions.

* Available on iPhones and Android devices. A Wi-Fi connection is required.



DVM S Eco

Drive down costs and energy use with unmatched efficiency

Samsung DVM S Eco delivers world-class energy efficiency for today's eco- and budget-conscious businesses. Using advanced compressor technology, it offers industry-leading COP, which means exceptional heating and cooling performance at a nominal cost.

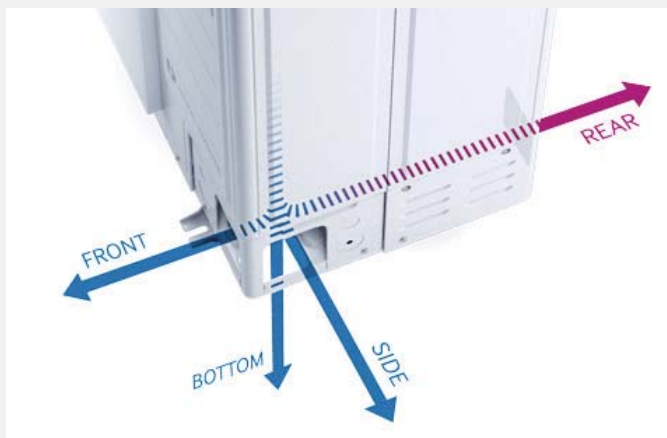
Energy-efficient compression

DVM S Eco features an innovative inverter 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.



Connects more, fits more

The DVM S Eco has a 4 way piping system, with connections at the front, side, bottom, rear, and a 160m piping length, so it fits into many more places, including small and narrow spaces, and is easier to install and maintain.

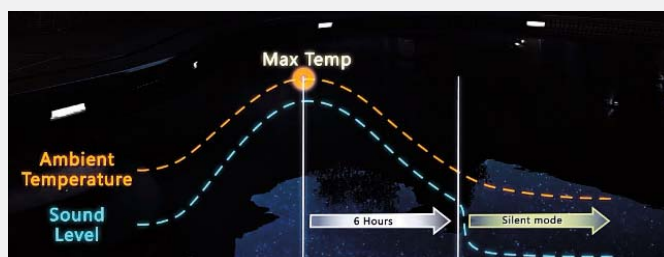


Enjoy minimal noise levels for maximum comfort

With its superior design, DVM S Eco 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.

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 environment with a reduced noise level of 2 - 8 dB.



Efficient space use

With a single DVM S Eco (14 HP) outdoor unit, users can experience the same performance level as that of two 6+8 HP outdoor units. The streamlined high-performance unit reduces installation space, so users can optimize more compact areas and minimize installation effort.



Flexibly install it almost anywhere

The DVM S Eco provides the flexibility to be installed almost anywhere regardless of its location or distance from the building. It has a piping length of up to 160m (525ft.) and can reach up to a height of 50m (164ft.).

DVM S Eco

Specification



Model Code		AM040KXMDEH/EU	AM050KXMDEH/EU	AM040FXMDEH/EU	AM040FXMDGH/EU	AM050FXMDEH/EU	AM050FXMDGH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50
Performance (Nominal)	HP	4.00	5.00	4.00	4.00	5.00	5.00
Capacity	Cooling [kW]	12.10	14.00	12.10	12.10	14.00	14.00
	Cooling [Btu/h]	41,300	47,800	41,300	41,300	47,800	47,800
	Heating [kW]	12.10	14.00	13.50	13.50	16.00	16.00
	Heating [Btu/h]	41,300	47,800	46,100	46,100	54,600	54,600
Power Input (Nominal)	Cooling 1) [kW]	3.60	4.00	2.89	2.99	3.69	3.69
	Heating 2) [kW]	2.90	3.40	3.02	3.02	3.61	3.61
Energy Efficiency	EER (Nominal Cooling)	3.36	3.50	4.19	4.05	3.79	3.79
	COP (Nominal Heating)	4.17	4.12	4.47	4.47	4.43	4.43
Fan	Air Flow Rate (High / Mid / Low) [CMM]	64	70	100	100	100	100
Piping Connections	Installation Max. Length [m]	50	50	150	150	150	150
	Installation Max. Height [m]	30.0	30.0	50.0	50.0	50.0	50.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	52.0 / 54.0	55.0 / 57.0	50.0	50.0	51.0	51.0
	Sound Power [dB(A)]	73.0	75.0	66.0	66.0	67.0	67.0
External Dimension (Outdoor Unit)	Net Weight [kg]	79.0	83.5	100.0	100.0	100.0	100.0
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330

ECONOMIC OPTION

Model Code		AM060FXMDEH/EU	AM060FXMDGH/EU	AM080FXMDGH/EU	AM080MXMDGH/EU	AM100KXMDGH/EU	AM120KXMDGH/EU	AM140KXMDGH/EU
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Performance (Nominal)	HP	6.00	6.00	8.00	8	10.00	12.00	14.00
Capacity	Cooling [kW]	15.50	15.50	22.40	22.4	27.99	33.50	40.00
	Cooling [Btu/h]	52,900	52,900	76,400	76,400	95,500	114,300	136,500
	Heating [kW]	18.00	18.00	25.00	22.4	31.51	37.51	44.99
	Heating [Btu/h]	61,400	61,400	85,300	76,400	107,500	128,000	153,500
Power Input (Nominal)	Cooling 1) [kW]	4.31	4.31	5.72	6.9	7.29	8.77	10.59
	Heating 2) [kW]	4.39	4.39	4.88	5.8	6.74	7.83	9.88
Energy Efficiency	EER (Nominal Cooling)	3.60	3.60	3.92	3.25	3.84	3.82	3.78
	COP (Nominal Heating)	4.10	4.10	5.12	3.86	4.68	4.79	4.55
Fan	Air Flow Rate (High / Mid / Low) [CMM]	100	100	135	135	165	166	180
Piping Connections	Installation Max. Length [m]	150	150	100	100	99	160	160
	Installation Max. Height [m]	50.0	50.0	30.0	30	50.0	50.0	50.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	53.0	53.0	56.0	59	58.0	59.0	62.0
	Sound Power [dB(A)]	69.0	69.0	74.0	77	74.0	76.0	79.0
External Dimension (Outdoor Unit)	Net Weight [kg]	103.0	103.0	135.0	115	145.0	155.0	162.0
	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460

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1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

DVM S Eco Desert

Specification



Model Code		AM040HXMFGH/ID	AM050HXMFGH/ID	AM060HXMFGH/ID	AM080KXMFGH/ID	AM100KXMFGH/ID
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
Performance (Nominal)	HP	4.00	5.00	6.00	8.00	10.00
	Capacity					
Capacity	Cooling 1) [kW]	12.10	14.00	16.00	22.39	27.99
	Cooling [Btu/h]	41,300	47,800	54,600	76,400	95,500
	Cooling 3) [kW]	10.00	11.60	13.20	18.99	25.00
	Cooling [Btu/h]	34,100	39,600	45,000	64,800	85,300
	Heating 2) [kW]	13.50	16.00	18.00	25.20	31.51
	Heating [Btu/h]	46,100	54,600	61,400	86,000	107,500
Power Input (Nominal)	Cooling 1) [kW]	2.81	3.36	4.19	5.33	6.83
	Cooling 3) [kW]	2.85	3.35	4.40	5.43	7.60
	Heating 2) [kW]	2.95	3.55	4.30	5.59	7.14
Power Input	Power Input [kW]	-	-	-	-	-
COP	Nominal Cooling	4.31	4.17	3.82	4.20	4.10
	Nominal Cooling	3.51	3.46	3.00	3.50	3.29
	Nominal Heating	4.58	4.51	4.19	4.51	4.41
Fan	Air Flow Rate (High / Mid / Low) [CMM]	100	120	120	190	190
Piping Connections	Installation Max. Length [m]	150	150	150	160	160
	Installation Max. Height [m]	50.0	50.0	50.0	50.0	50.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	50.0 / 52.0	51.0 / 53.0	52.0 / 54.0	58.0	60.0
	Sound Power [dB(A)]	-	-	-	74.0	77.0
External Dimension (Outdoor Unit)	Net Weight [kg]	103.0	105.0	105.0	145.0	155.0
	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,630 x 460	940 x 1,630 x 460

* Product Specifications in the publication can be changed without prior notice, because there is always ongoing improvement in our products.

1) Nominal cooling capacities are based on:

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

2) Nominal heating capacities are based on:

Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

3) Nominal cooling at 46°C Capacities are based on:

Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 46°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

DVM S Eco Cooling Only

Specification



Model Code		AM040KXMDEC/TL	AM050KXMDEC/TL	AM080MXMDGC/TL
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1, 2, 220-240, 50	1, 2, 220-240, 50	3,4,380-415,50
Performance (Nominal)	HP	4	5	8
	Capacity			
Capacity	Cooling [kW]	12.1	14	22.4
	Cooling [Btu/h]	41,200	48,000	76,400
Power Input (Nominal)	Cooling [kW]	3.6	4	6.9
Energy Efficiency	EER (Nominal Cooling)	3.36	3.5	3.25
Fan	Air Flow Rate [CMM]	64	64	135
Piping Connections	Installation Max. Length [m]	70	70	100
	Installation Max. Height [m]	30	30	30
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	52	55	59
External Dimension (Outdoor Unit)	Net Weight [kg]	76	76	115
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 998 x 330	940 x 1,420 x 330

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DVM S Eco HR

HR changer

HR changer with Heat Recovery Function & optimized capacity

HR-Changer is an essential component to perform simultaneous cooling & heating for DVM S Eco HR



Flexibly install it almost anywhere

Provides the flexibility to be installed almost anywhere, regardless of its location or distance from the building. It has a piping length of up to 150m and can reach up to a height of 50m.



Drive down costs and energy use with unmatched efficiency

Samsung DVM S Eco delivers world-class energy efficiency for today's eco- and budget-conscious businesses. Using advanced compressor technology, it offers industry-leading COP, which means exceptional heating and cooling performance at a nominal cost.

Energy-efficient compression

DVM S Eco features innovative inverter 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.

Control your cooling anywhere

An optional Wi-Fi Kit lets you remotely control indoor units using a smartphone App*. Anytime and anywhere you can turn them on and off, select the operating mode and temperature, and utilize their other functions.

* Available on iPhones and Android devices. A Wi-Fi connection is required.



DVM S Eco HR

Specification



Model Code		AM040NXMDER/EU	AM050NXMDER/EU	AM060NXMDER/EU
Power Supply [Indoor Unit] [ϕ , #, V, Hz]		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Performance (nominal)		4 HP	5 HP	6 HP
Capacity	Cooling [kW]	12.1	14.0	15.5
	Heating [kW]	12.1	14.0	15.5
Power Input (Nominal)	Cooling 1) [kW]	2.69	3.41	4.13
	Heating 2) [kW]	2.58	2.98	3.48
Energy Efficiency	EER (Nominal Cooling)	4.50	4.11	3.75
	COP (Nominal Heating)	4.69	4.70	4.45
Fan	Air Flow Rate (High / Mid / Low) [CMM]	100	100	100
Piping Connections	Installation Max. Length [m]	150	150	150
	Installation Max. Height [m]	50	50	50
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	50	50	51
External Dimension (Outdoor Unit)	Net Weight [kg]	97	97	100
	Net Dimensions (WxHxD) [mm]	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330

Model Code		AM040NXMDGR/EU	AM050NXMDGR/EU	AM060NXMDGR/EU
Power Supply [Indoor Unit] [ϕ , #, V, Hz]		3 ϕ , 380-415V, 50Hz	3 ϕ , 380-415V, 50Hz	3 ϕ , 380-415V, 50Hz
Performance (nominal)		4 HP	5 HP	6 HP
Capacity	Cooling [kW]	12.1	14.0	15.5
	Heating [kW]	12.1	14.0	15.5
Power Input (Nominal)	Cooling 1) [kW]	2.69	3.41	4.13
	Heating 2) [kW]	2.52	2.98	3.48
Energy Efficiency	EER (Nominal Cooling)	4.50	4.11	3.75
	COP (Nominal Heating)	4.80	4.70	4.45
Fan	Air Flow Rate (High / Mid / Low) [CMM]	100	100	100
Piping Connections	Installation Max. Length [m]	150	150	150
	Installation Max. Height [m]	50	50	50
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	50	50	51
External Dimension (Outdoor Unit)	Net Weight [kg]	95	95	98
	Net Dimensions (WxHxD) [mm]	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330

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DVM S Eco MCU

Specification



Model Name			MCU-R4NEK0N	MCU-S6NEK3N	
Power Supply		Φ, #, V, Hz	1/220-240/50-60	1/220-240/50-60	
Mode		-	Heat Recovery	Heat Recovery	
Power	Power Input (Nominal)	Cooling	-	-	
		Heating	-	-	
	Current Input (Nominal)	Cooling	-	-	
		Heating	-	-	
	MCA		A	2.0	2.0
	MFA (MOP)		A	15.0	15.0
Maximum number of connectable indoor units		EA	12	18	
Maximum number of connectable indoor unit per branch		EA	3	3	
Number of branches		EA	4	6	
Maximum Capacity of connectable indoor units		Btu/h / kW	76,000 / 22.4	76,000 / 22.4	
Maximum capacity of connectable indoor unit per branch	-	Btu/h / kW	19,000 / 5.6	19,000 / 5.6	
	Y-Joint	Btu/h / kW	48,000 / 14.0	48,000 / 14.0	
Field Wiring	Power Source Wire		mm2	-	
	Transmission Cable		mm2	-	
Additional refrigerant charging		kg/unit	0.5	0.5	
Piping Connections	Outdoor unit	Liquid Pipe	Φ, mm	9.52	9.52
			Φ, inch	3/8	3/8
		Gas Pipe	Φ, mm	19.05	19.05
			Φ, inch	3/4	3/4
		Discharge Gas Pipe	Φ, mm	15.88	15.88
			Φ, inch	5/8	5/8
	Indoor unit	Liquid Pipe	Φ, mm	6.35	6.35
			Φ, inch	1/4	1/4
		Gas Pipe	Φ, mm	12.7	12.7
			Φ, inch	1/2	1/2
Drain		Φ, mm	-	-	
External Dimension	Net Weight		kg	21.3	24.3
	Shipping Weight		kg	24.9	27.9
	Net Dimensions (WxHxD)		mm	728 x 199 x 469	728 x 199 x 469
	Shipping Dimensions (WxHxD)		mm	1140 x 252 x 628	1140 x 252 x 628
Operation limit	Cooling	°C	-15~48	-15~48	
	Heating	°C	-25~24	-25~24	

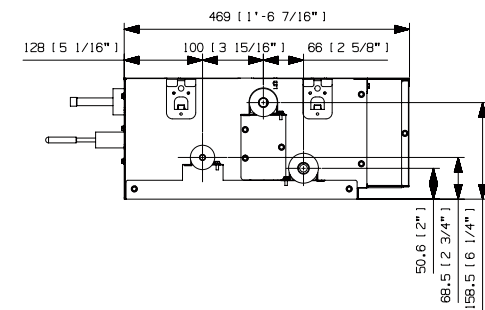
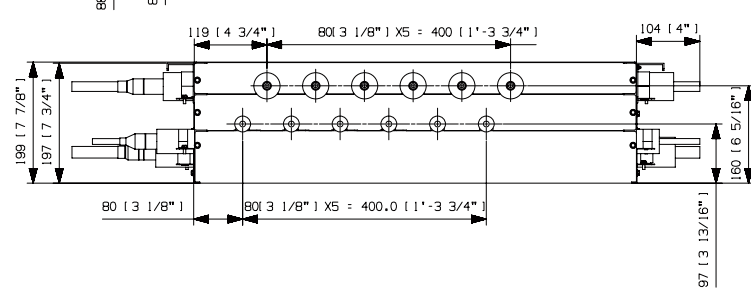
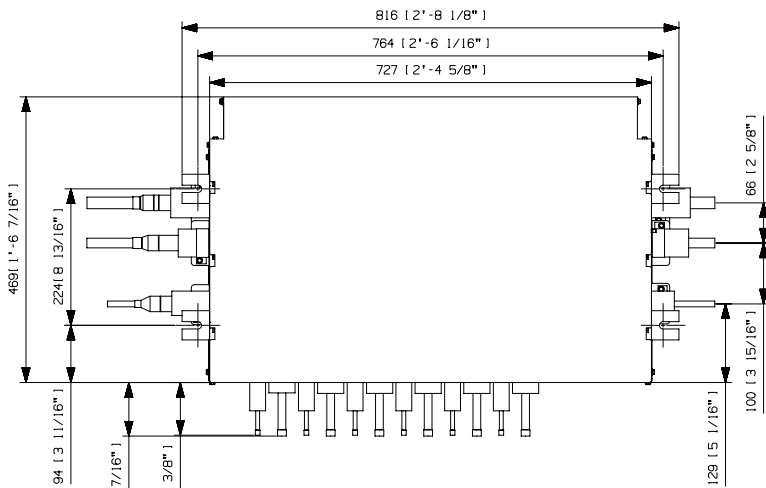
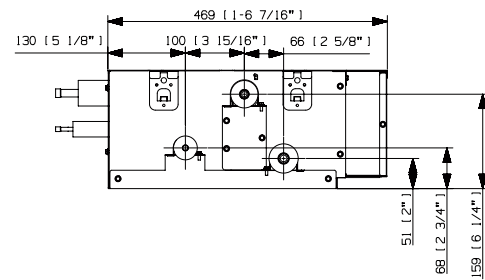
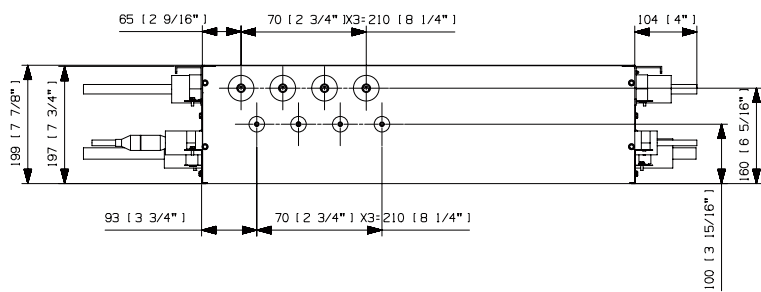
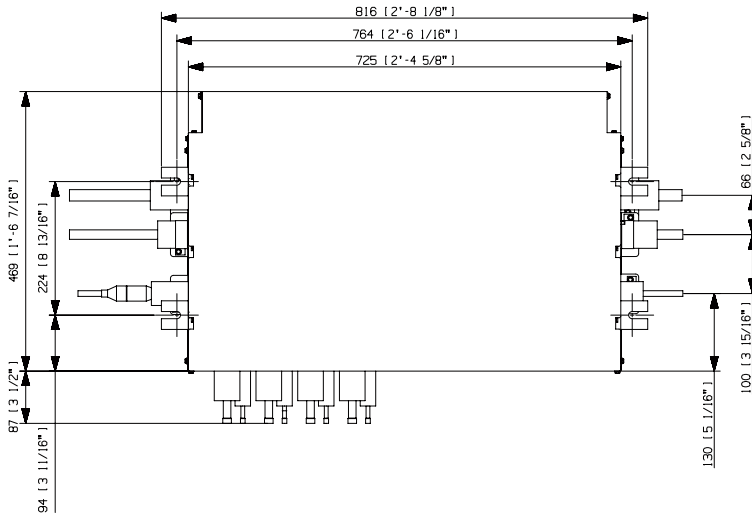
*Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

DVM S Eco MCU

Dimensional Drawings MCU-R4NEKON / MCU-S6NEK3N



Units: mm, inch

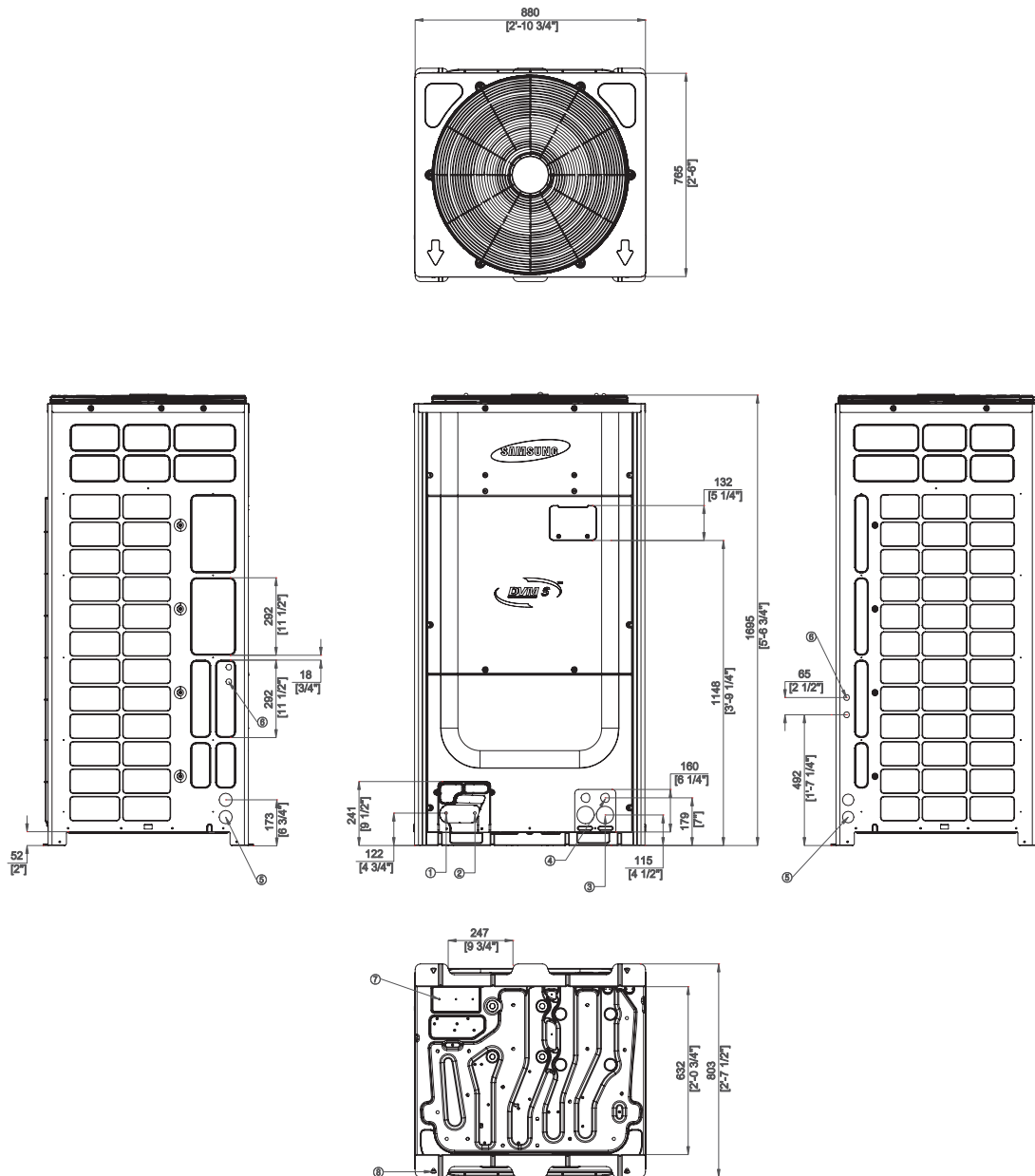


DVM S

Dimensional Drawings Less than 12HP



Units: mm, inch



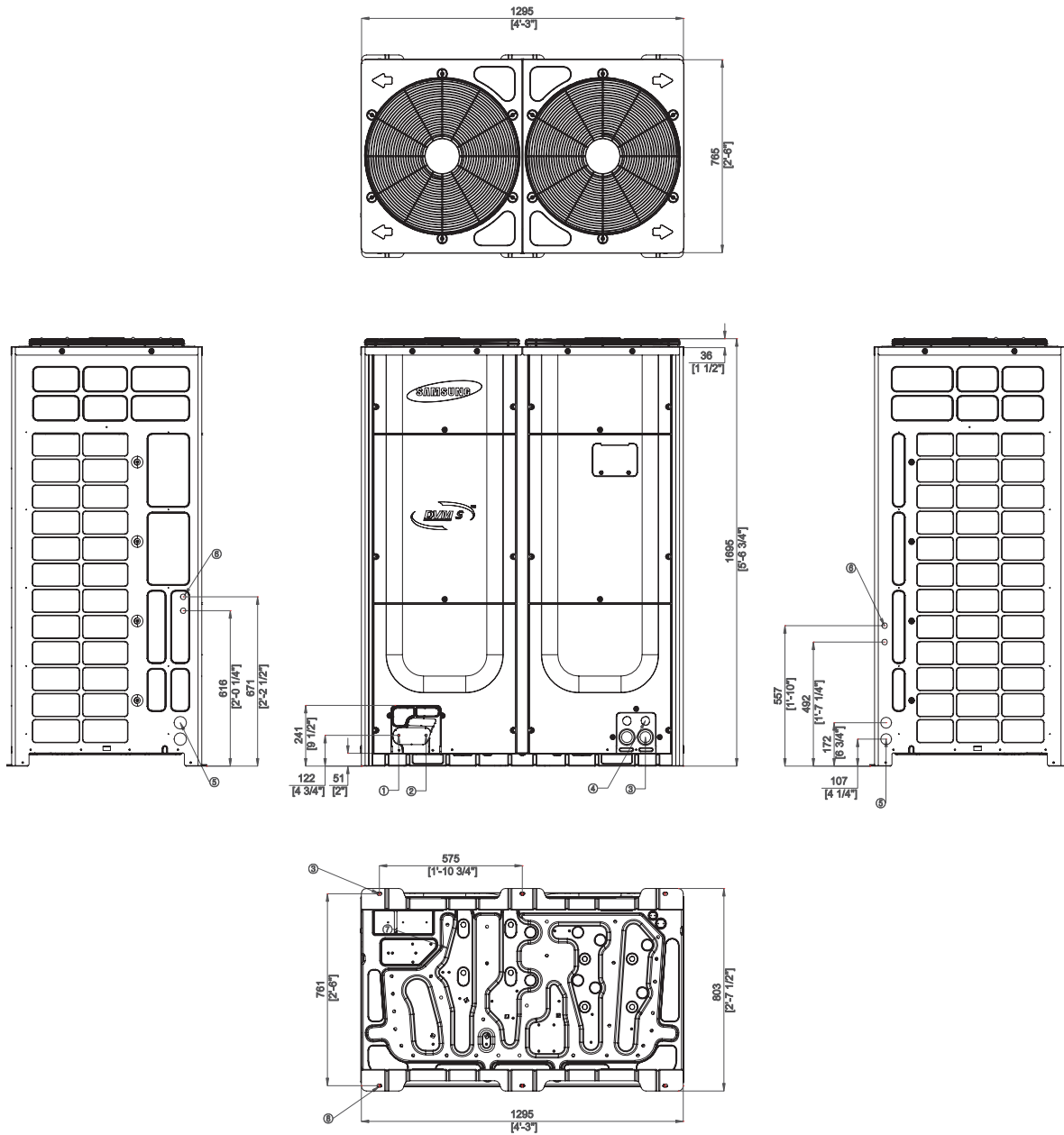
No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Power wiring conduit
4	Communication wiring conduit
5	Power wiring conduit
6	Communication wiring conduit
7	Knock-out Hole for Ref. Piping
8	Anchor Bolt Hole

DVM S

Dimensional Drawings
More than 14HP



Units: mm, inch



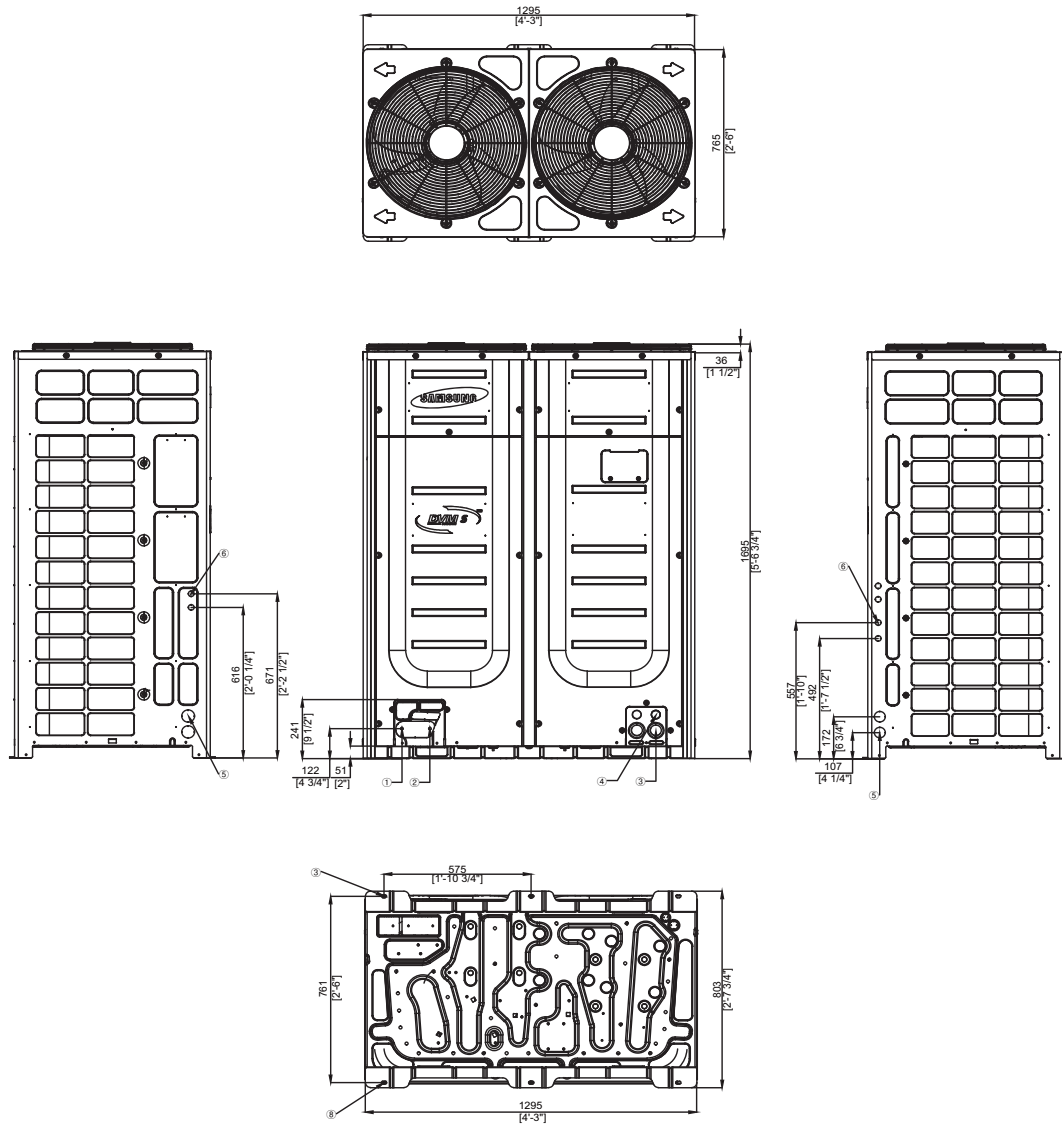
No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Power wiring conduit
4	Communication wiring conduit
5	Power wiring conduit
6	Communication wiring conduit
7	Knock-out Hole for Ref. Piping
8	Anchor Bolt Hole

Super DVM

Dimensional Drawings From 14 to 22HP



Units: mm, inch



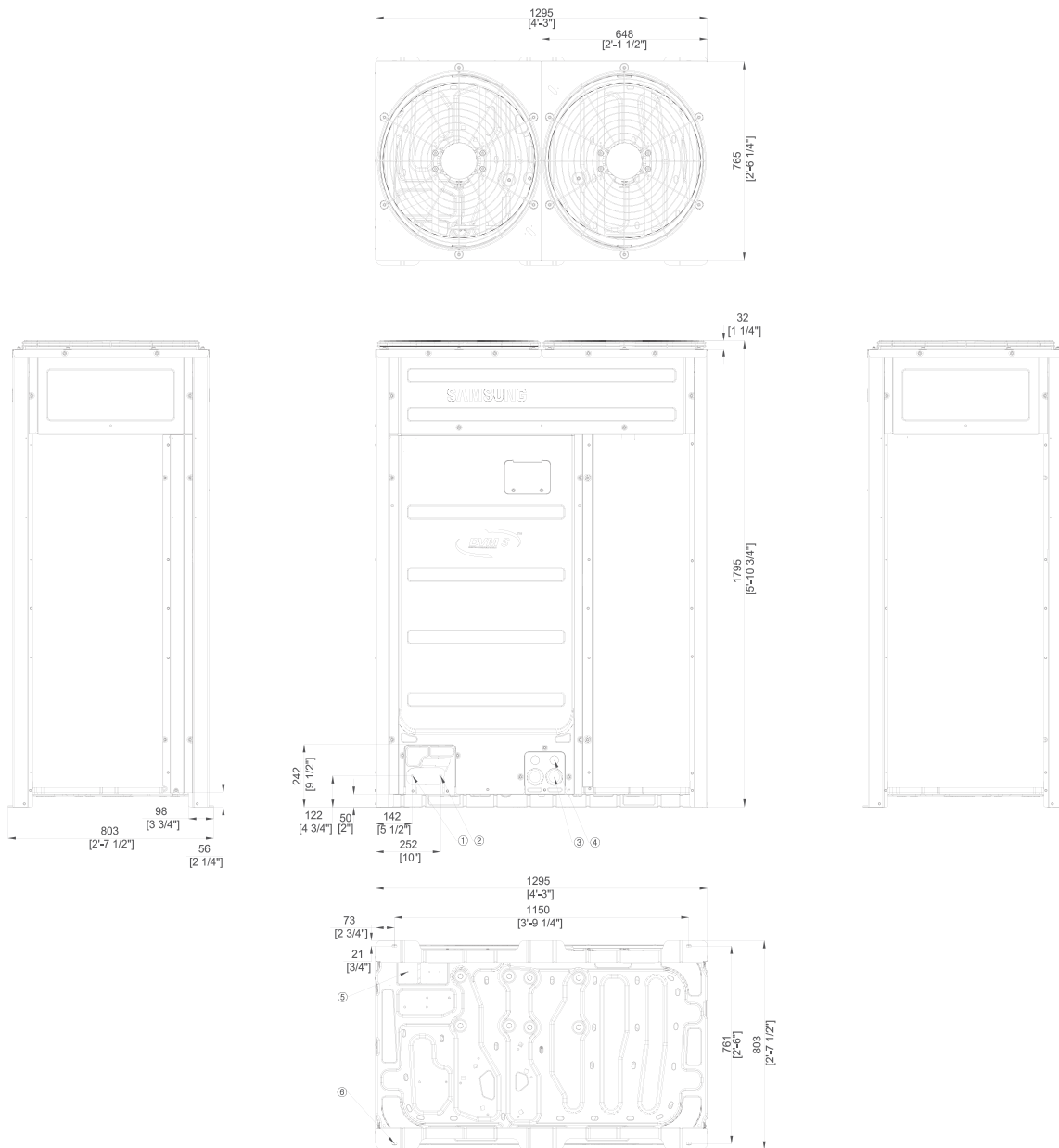
No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Power wiring conduit
4	Communication wiring conduit
5	Power wiring conduit
6	Communication wiring conduit
7	Knock-out Hole for Ref. Piping
8	Anchor Bolt Hole

Super DVM

Dimensional Drawings From 24 to 30HP



Units: mm, inch



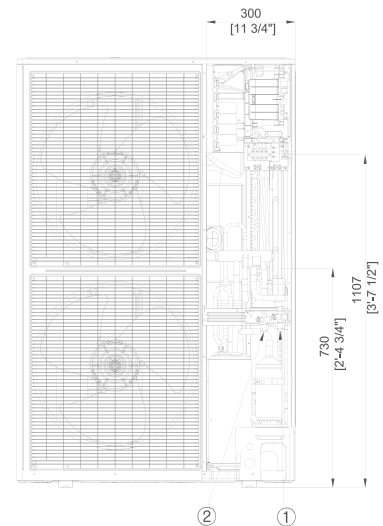
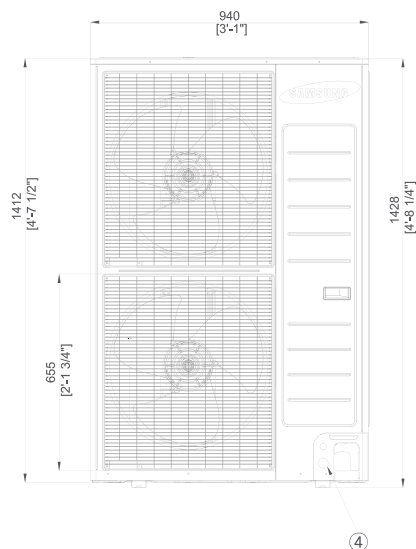
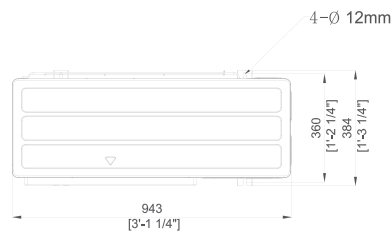
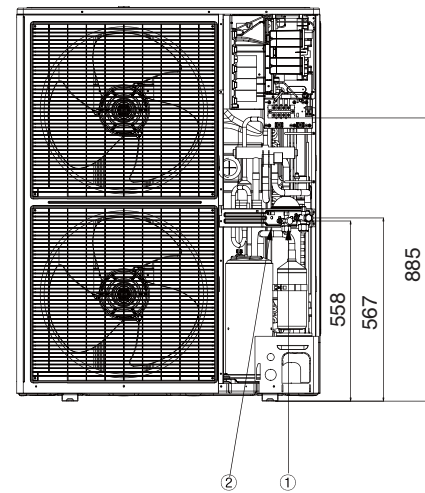
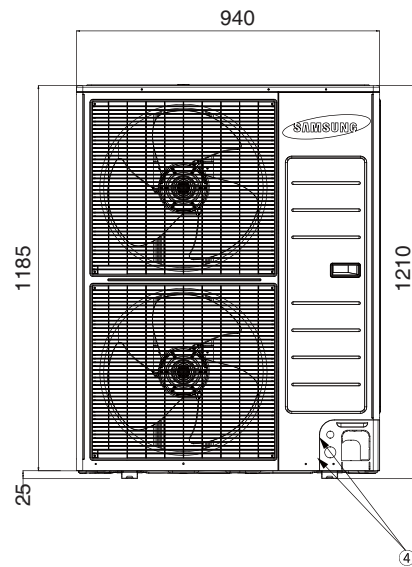
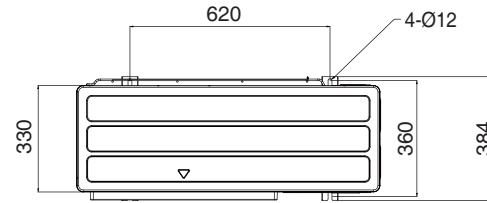
No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Power wiring conduit
4	Communication wiring conduit
5	Knock-out Hole for Ref. Piping
6	Anchor Bolt Hole

DVM S Eco

Dimensional Drawings
Less than 6HP & 8HP



Units: mm, inch



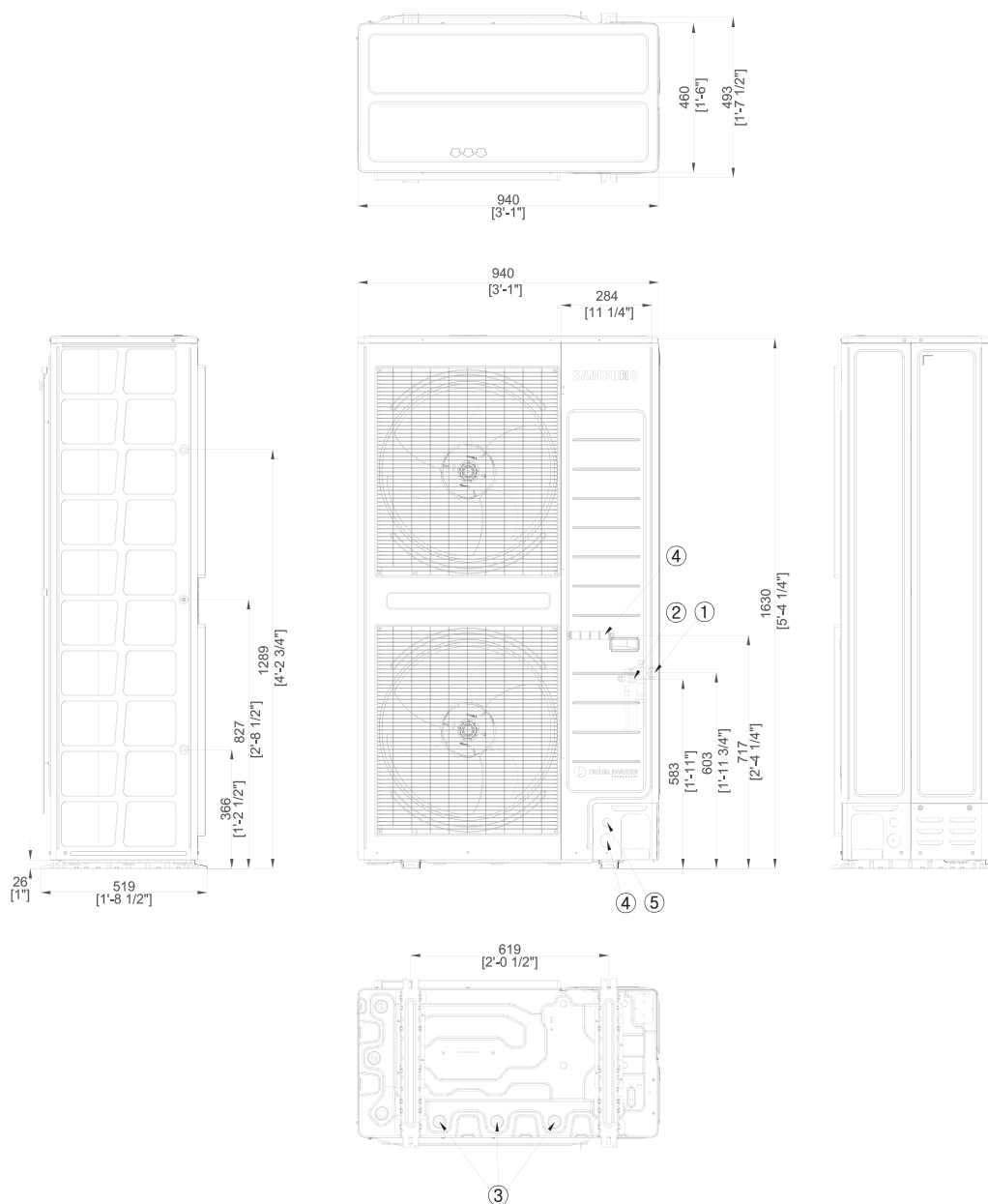
No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Condensate Drain Holes
4	Power & Communication Wiring Holes

DVM S Eco

Dimensional Drawings
More than 10HP



Units: mm, inch



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain Hole
4	Power wiring conduits
5	Power & Comm. wiring conduits

360 Cassette

All round cooling and comfort

The Samsung 360 Cassette air conditioner offers a brand new way of staying comfortably cool in every corner of the room. Its innovative circular design not only means it perfectly fits in everywhere, adding a sophisticated look to many different sites, but it also blows cool air in all directions, so that the whole room is the same temperature*. Its bladeless outlet ensures that cool air is gently dispersed, without creating cold drafts**, and that the air flow is not blocked even at low angles. This allows it to expel 25% more air* and spread it farther.

Evenly circulates & cools every corner

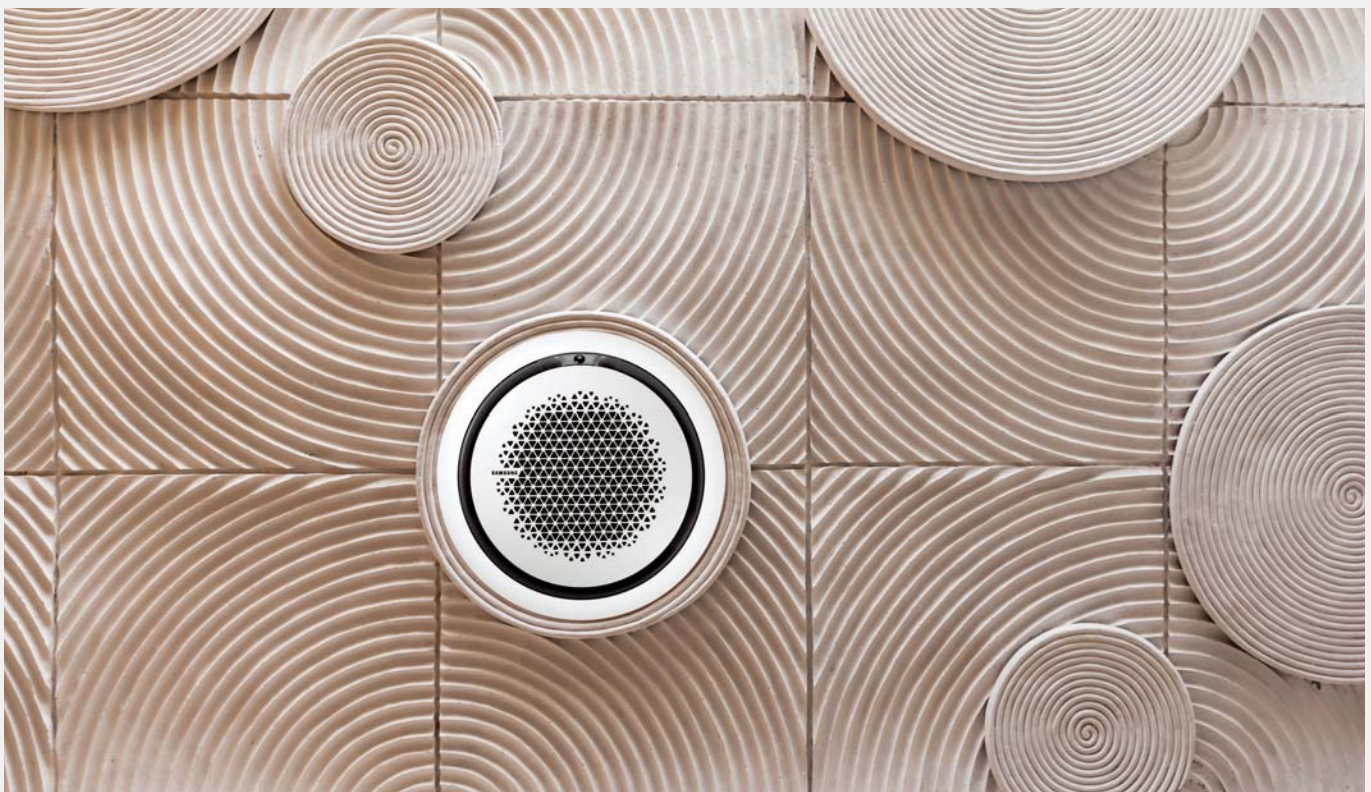
Unlike 4 Way Cassette type air conditioners that create areas of uneven airflow where cool air can't reach*, a circular outlet blows cool air in all directions, so every corner of a room is the same temperature**.

* Samsung testing compared to a general 4 Way Cassette type air conditioner.
** Within a 9.3m radius the temperature difference is less than 0.6°C.



* Within a 9.3m radius the temperature difference is less than 0.6°C.

DVM S



360 Cassette

Comfortably cool, not cold

A bladeless design softly disperses cool air across the room, making you comfortably cool without feeling a cold draft**. With no blades to block the air flow, it also expels 25% more air* and spreads it farther.



* Within a 5m radius, no cold draft between 0~1.5m in height (with 14.0kW).

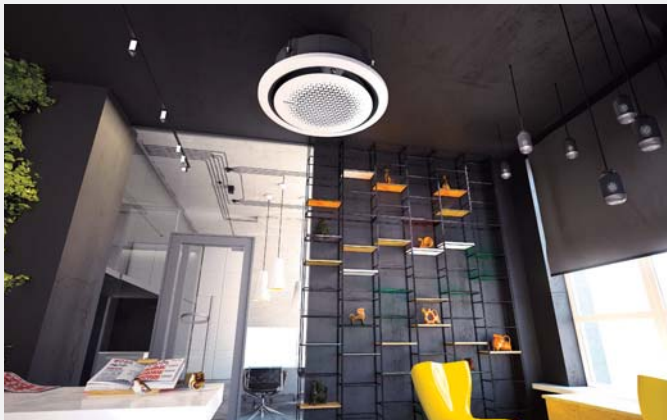
Spreads more air in more ways

An innovative Booster Fan enables cool air to be expelled at much lower angles. It creates a low pressure area around the outlet, so that cool air comes out parallel to the ceiling and disperses across a wider area.



Circular to perfectly fit in everywhere

Its innovative circular design can match a multitude of interior designs, so it perfectly fits in everywhere. Its minimalist modern styling creates a sophisticated look and its circular shape stands out beautifully.



* When installing the circular panel on the ceiling, make sure to install two or more inspection holes for the maintenance.
** Inspection Holes are not mandatory for separable ceiling structure.
(For further information, please refer to the installation manual.)

All round simpler & intuitive control

Intuitively control its performance and see where the air is going. The Wireless Remote Controller's* Jog shuttle and button offer a fun way to adjust the air flow and a Circular LED Display shows its direction.

* Optional.



360 Cassette

Reference site

The perfection of the circle brings unimaginable experience that harmonizes your style. Samsung system air conditioner '360 Cassette'

With a circular design aesthetic that perfectly fits the interior and its surroundings, the '360 Cassette', winner of the iF Award (international Forum Design Award) 2016, is visually stunning. The bladeless '360 Cassette' directs air uniformly in all directions using principles of wind currents, ensuring a fresh, natural, and pleasant breeze that completely eliminates cold drafts. Customers have called the '360 Cassette' not only their 'the first choice' but also their 'the best choice'.



Yogurteria
Location: Italy



Mingles Restaurant
Location: South Korea



JUNGSIK Restaurant
Location: South Korea



PARIS BAGUETTE Cafe (THE PLACE)
Location: China



STARBUCKS COFFEE
Location: UK



Cafe
Location: South Korea



DVM S

360 Cassette

Specification



Model Code		AM045KN4DEH/EU	AM056KN4DEH/EU	AM071KN4DEH/EU	AM090KN4DEH/EU
Features	Type	360 CASSETTE	360 CASSETTE	360 CASSETTE	360 CASSETTE
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 2) [kW]	4.50	5.60	7.10	9.00
	Cooling 2) [Btu/h]	15,400	19,100	24,200	30,700
	Heating 2) [kW]	5.00	6.30	8.00	10.00
	Heating 2) [Btu/h]	17,100	21,500	27,300	34,100
Power Input (Nominal)	Cooling 1) [W]	26.00	30.00	34.00	55.00
	Heating 2) [W]	26.00	30.00	34.00	55.00
Fan	Motor (Output) [W]	65 x 1	65 x 1	65 x 1	65 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	14.50/13.50/12.50	16.00/14.50/13.50	18.00/16.00/14.00	22.00/18.50/16.00
Piping Connections	Liquid Pipe [Φ,mm, inch]	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe [Φ,mm, inch]	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe [Φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33.0/31.0/29.0	34.0/32.0/29.0	36.0/33.0/30.0	40.0/36.0/32.0
	Sound Power [dB(A)]	50.0	51.0	53.0	57.0
External Dimension (Indoor Unit)	Net Weight [kg]	21.00	21.00	21.00	21.00
	Net Dimensions (WxHxD) [mm]	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947
Panel Size	Panel Model	Square WH : PC4NUDMAN / Square BL : PC4NBDMAN / Circle WH : PC4NUNMAN / Circle BL : PC4NBNMAN			
	Panel Net Weight [kg]	Square : 3.60 / Circle : 2.70			
	Net Dimensions (WxHxD) [mm]	Square : 1000 x 66 x 1000 / Circle : 1050 x 94 x 1050			

Model Code		AM112KN4DEH/EU	AM128KN4DEH/EU	AM140KN4DEH/EU
Features	Type	360 CASSETTE	360 CASSETTE	360 CASSETTE
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 2) [kW]	11.20	12.80	14.00
	Cooling 2) [Btu/h]	38,200	43,700	47,800
	Heating 2) [kW]	12.50	13.80	16.00
	Heating 2) [Btu/h]	42,700	47,100	54,600
Power Input (Nominal)	Cooling 1) [W]	53.00	77.00	91.00
	Heating 2) [W]	53.00	77.00	91.00
Fan	Motor (Output) [W]	97 x 1	97 x 1	97 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	25.50/21.00/17.50	29.50/24.00/19.00	31.50/26.50/21.00
Piping Connections	Liquid Pipe [Φ,mm, inch]	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe [Φ,mm, inch]	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe [Φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/36.0/32.0	42.0/38.0/33.0	44.0/40.0/35.0
	Sound Power [dB(A)]	58.0	60.0	61.0
External Dimension (Indoor Unit)	Net Weight [kg]	24.00	24.00	24.00
	Net Dimensions (WxHxD) [mm]	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
Panel Size	Panel Model	Square WH : PC4NUDMAN / Square BL : PC4NBDMAN / Circle WH : PC4NUNMAN / Circle BL : PC4NBNMAN		
	Panel Net Weight [kg]	Square : 3.60 / Circle : 2.70		
	Net Dimensions (WxHxD) [mm]	Square : 1000 x 66 x 1000 / Circle : 1050 x 94 x 1050		

*Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

Individual
Controllers
Required
(Choices)



Panel
Required
(Choices)



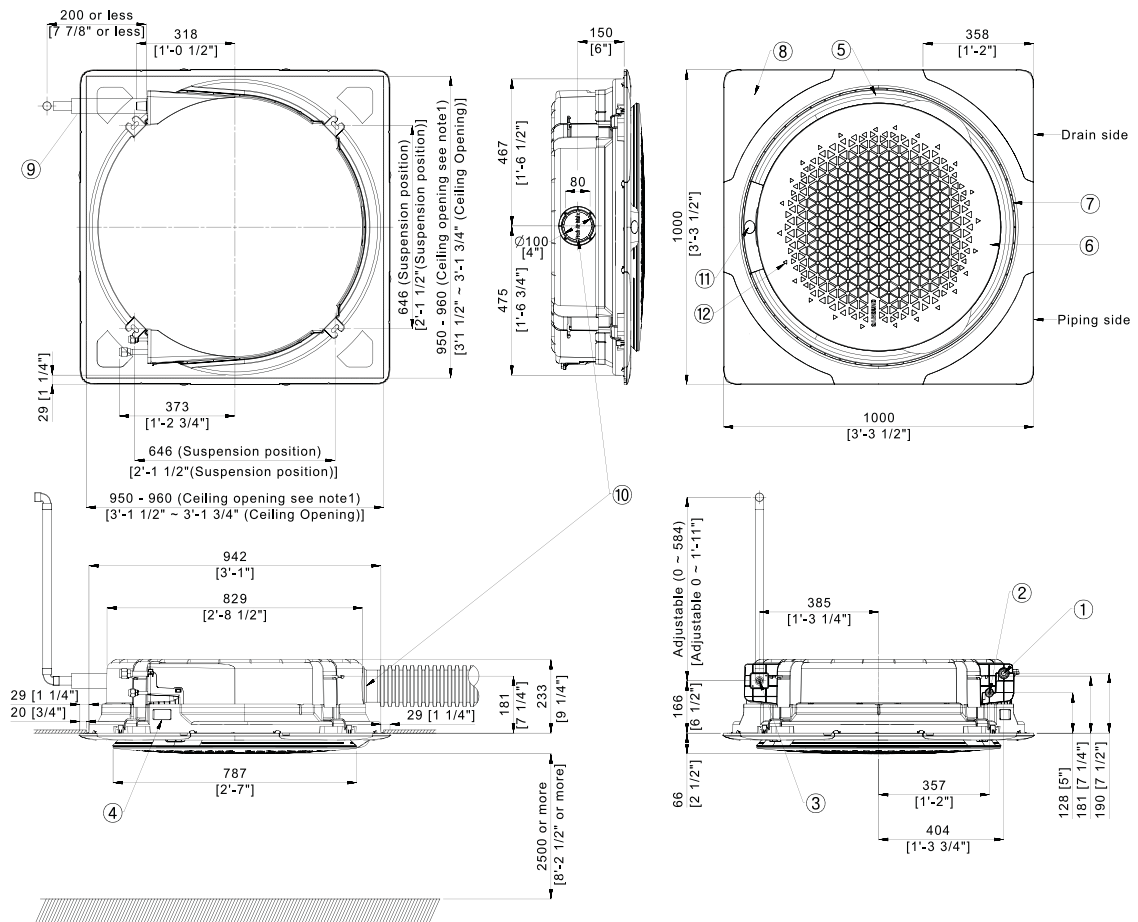
360 Cassette

Dimensional Drawing

Square panel, less than 11.2kW



Units: mm, inch



No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air discharge opening
6	Air suction grille
7	Suction rim for Booster fan
8	Decoration cover
9	Drain hose
10	Fresh air intake knock out hole
11	Display window
12	Infrared receiver

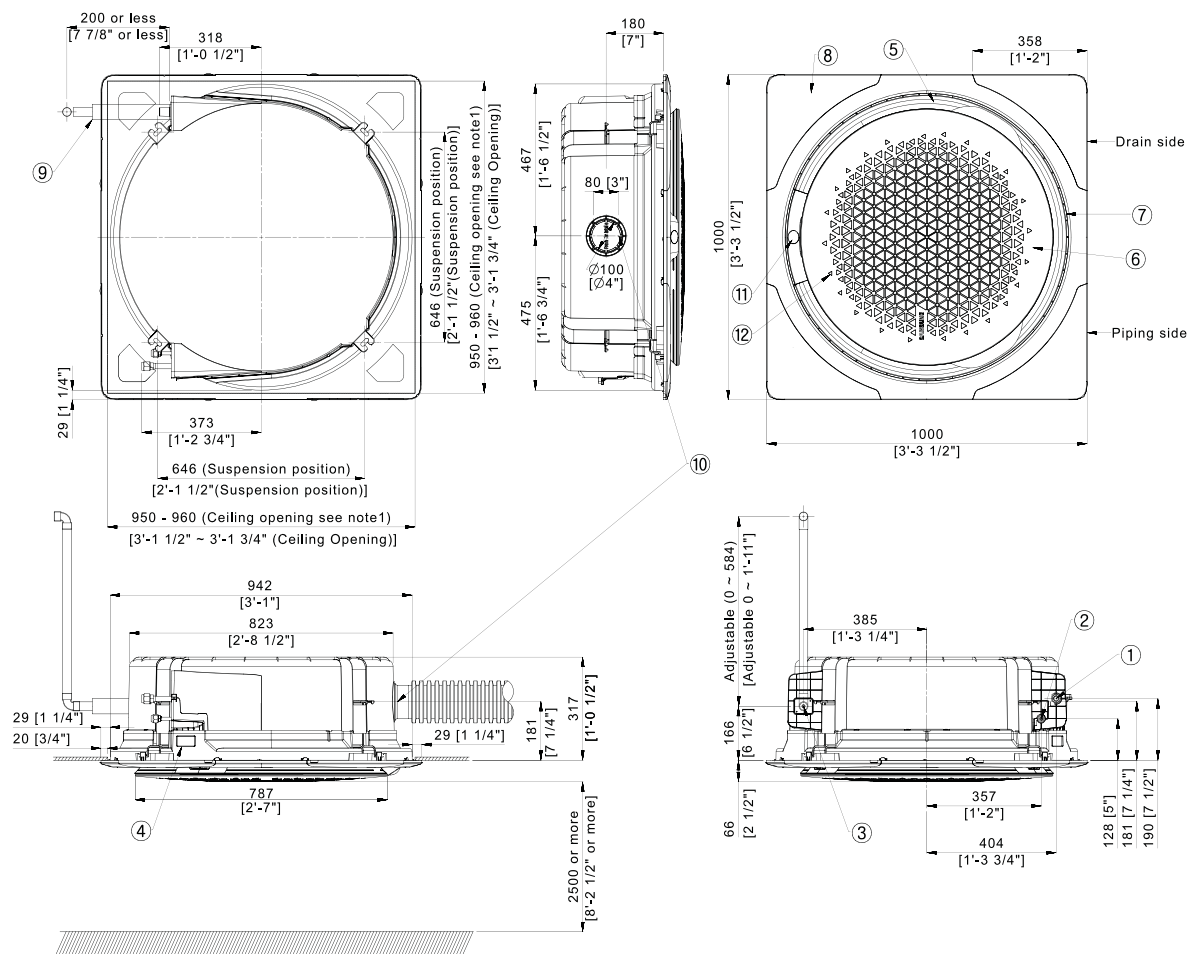
360 Cassette

Dimensional Drawing

Circular panel, equal or more than 11.2kW



Units: mm, inch



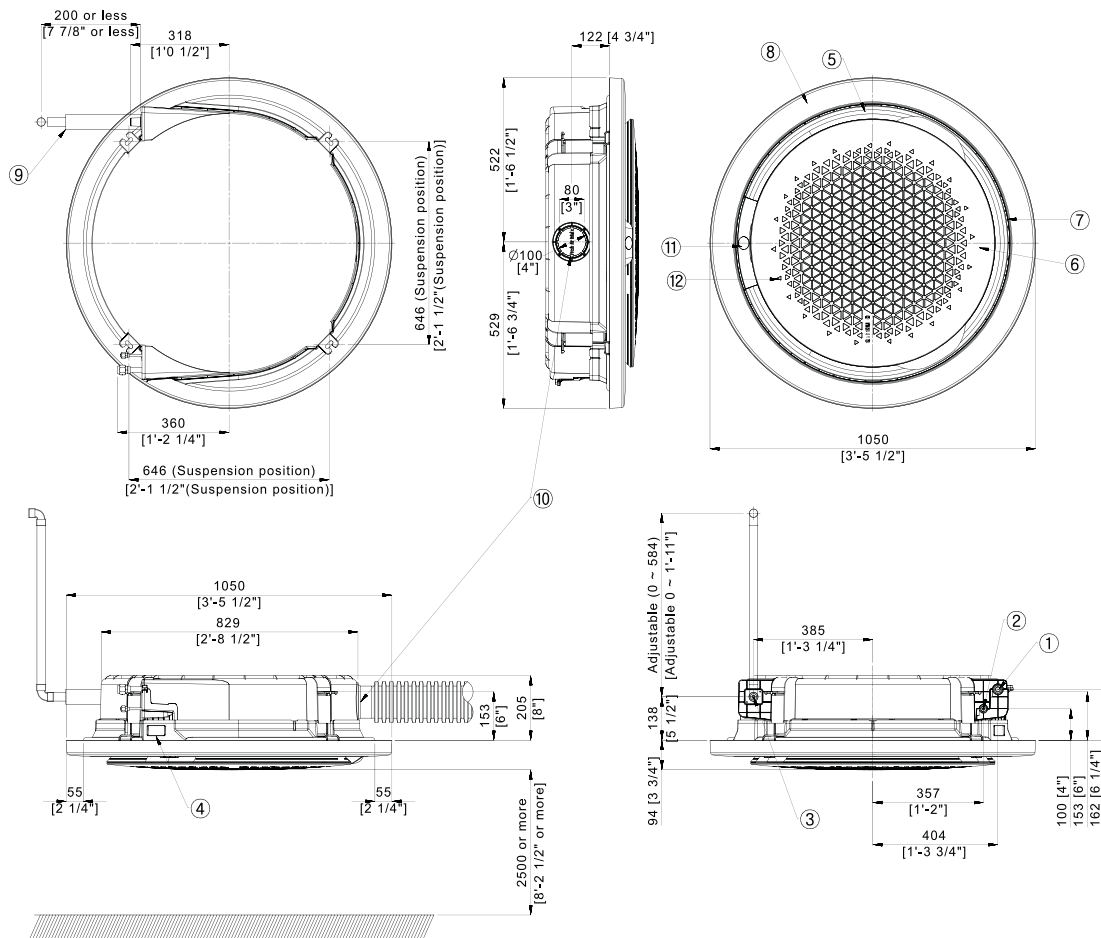
No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air discharge opening
6	Air suction grille
7	Suction rim for Booster fan
8	Decoration cover
9	Drain hose
10	Fresh air intake knock out hole
11	Display window
12	Infrared receiver

360 Cassette

Dimensional Drawing
Circular panel, less than 11.2kW



Units: mm, inch



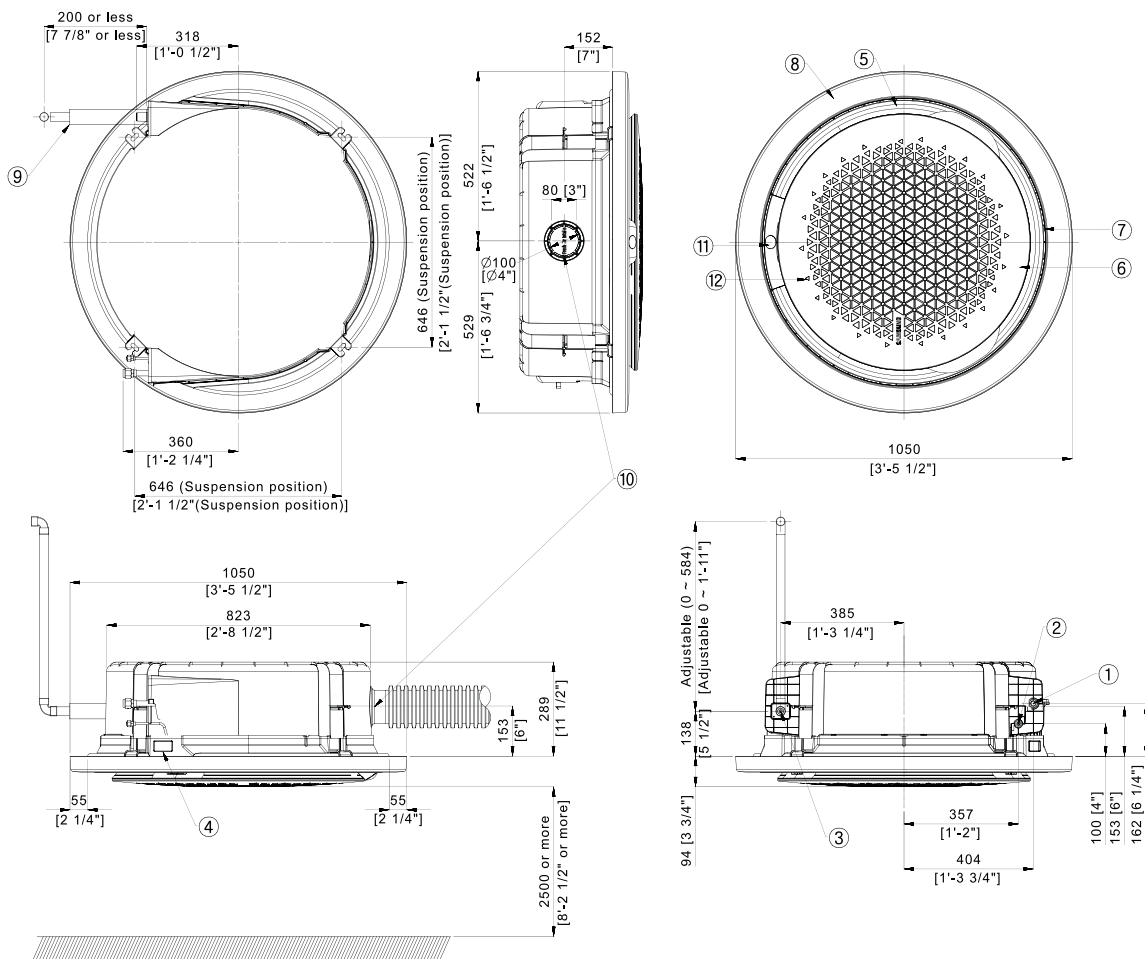
No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air discharge opening
6	Air suction grille
7	Suction rim for Booster fan
8	Decoration cover
9	Drain hose
10	Fresh air intake knock out hole
11	Display window
12	Infrared receiver

360 Cassette

Dimensional Drawing
Circular panel, equal or more than 11.2kW



Units: mm, inch



No.	Name
1	Gas Ref. Pipe
2	Liquid Ref. Pipe
3	Condensate drain
4	Power & Comm. wiring conduits
5	Air discharge opening
6	Air suction grille
7	Suction rim for Booster fan
8	Decoration cover
9	Drain hose
10	Fresh air intake knock out hole
11	Display window
12	Infrared receiver

Wind-Free™ 4 Way Cassette

Keeps comfortable without changing settings.

The 2-Step Cooling cools the air fast in Fast Cooling, then automatically changes to Wind-Free™ to maintain the temperature. So you stay comfortable, without cold spots, and don't need to change settings.

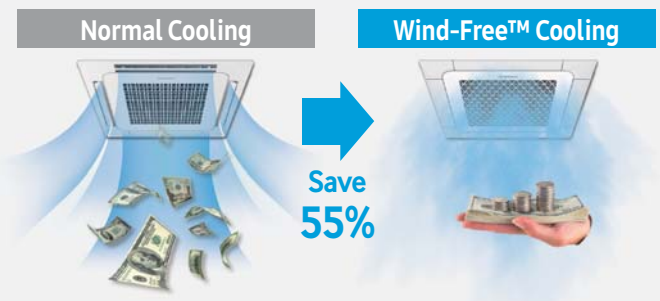


Energy saving with Wind-Free™.

Under same condition, can save energy use by 55% compared to conventional cooling.

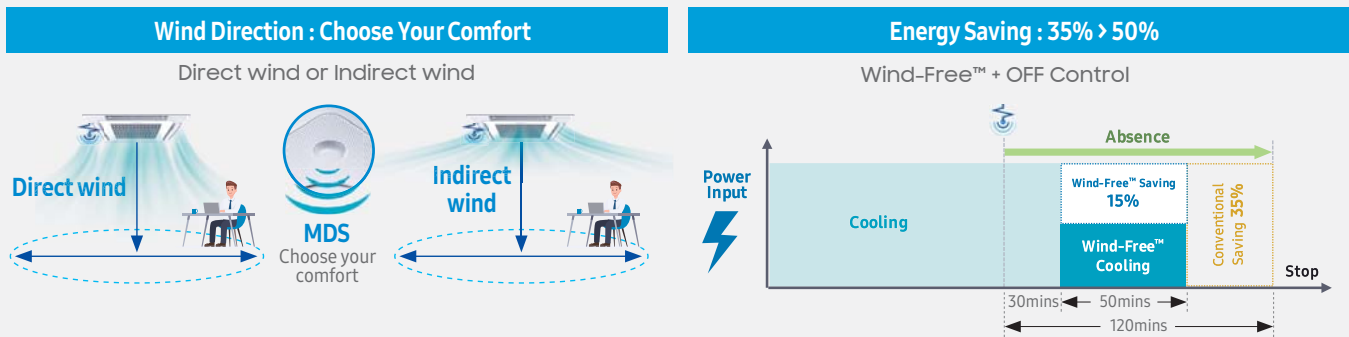
*Tested on Outdoor unit AC140MXADKH, Indoor unit AM140FN4DEH when running simultaneously, Individual result may vary depending on consumer usage

*Test Temperature : OD 35°C DB / 24°C WB, ID 27°C DB / 19°C WB



Motion detect sensor(Optional)

Motion detect sensor enables customized air flow and energy efficient operation.



Wind-Free™ 4 Way Cassette

Specification



Model Code		AM045NN4DEH/EU	AM056NN4DEH/EU	AM071NN4DEH/EU	AM090NN4DEH/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	5.60	7.10	9.00
	Cooling [Btu/h]	15,400	19,100	24,200	30,700
	Heating [kW]	5.00	6.30	8.00	10.00
	Heating [Btu/h]	17,100	21,500	27,300	34,100
Power Input (Nominal)	Cooling 1) [W]	32.00	32.00	45.00	62.00
	Heating 2) [W]	32.00	32.00	45.00	62.00
Fan	Air Flow Rate (High / Mid / Low) [CMM]	14.5/13.5/12.5	15.0/14.0/13.0	17.0/15.5/14.5	19.5/18.0/16.5
	Air Flow Rate(High/Mid/Low)[L/S]	242/225/208	250/233/217	283/258/242	325/300/275
Piping Connections	Liquid Pipe [φ, mm]	6.35	6.35	9.52	9.52
	Gas Pipe [φ, mm]	12.70	12.70	15.88	15.88
	Drain Pipe [φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33/32/30	33/32/30	35/34/33	39/36/33
	Sound Power [dB(A)]	49	50	54	57
External Dimension (Indoor Unit)	Net Weight [kg]	15.00	15.00	15.00	15.00
	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
Panel Size	Panel model	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight [kg]	6.30	6.30	6.30	6.30
	Net Dimensions (WxHxD) [mm]	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950

Model Code		AM112NN4DEH/EU	AM128NN4DEH/EU	AM140NN4DEH/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	12.80	14.00
	Cooling [Btu/h]	38,200	43,700	47,800
	Heating [kW]	12.50	13.80	16.00
	Heating [Btu/h]	42,700	47,100	54,600
Power Input (Nominal)	Cooling 1) [W]	78.00	73.00	89.00
	Heating 2) [W]	78.00	73.00	89.00
Fan	Air Flow Rate (High / Mid / Low) [CMM]	26.0/24.0/22.0	28.0/26.0/23.0	30.0/28.0/26.0
	Air Flow Rate(High/Mid/Low)[L/S]	433/400/367	467/433/383	500/467/433
Piping Connections	Liquid Pipe [φ, mm]	9.52	9.52	9.52
	Gas Pipe [φ, mm]	15.88	15.88	15.88
	Drain Pipe [φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40/38/35	42/40/35	44/41/35
	Sound Power [dB(A)]	57	58	60
External Dimension (Indoor Unit)	Net Weight [kg]	16.50	18.50	18.50
	Net Dimensions (WxHxD) [mm]	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
Panel Size	Panel model	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight [kg]	6.30	6.30	6.30
	Net Dimensions (WxHxD) [mm]	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950

*Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

Individual
Controllers
Required
(Choices)



AR-EH03E MWR-WE13N

Panel
Required
(Choices)



PC4NUFMAN

Motion
Detect
Sensor
(Optional)



MCR-SMC

4 Way Cassette

Stylishly clean design

Complement any interior with a sleek, lightweight design

The new Samsung 4 Way Cassette indoor air conditioner comes in a choice of patterns with a simple panel to better match the interior design. Its uniquely lightweight frame makes installation easy, while clever blade construction keeps the unit clean for a tidy appearance.

Waffle Pattern

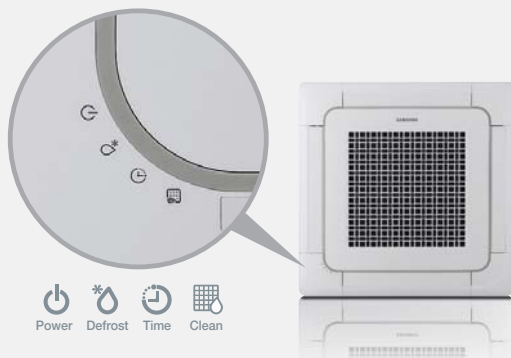


Classic Pattern



Aesthetic panel and display

4 Way Cassette offers two different pattern designs for the panel. Users can select either the Waffle or Classic pattern to create just the right look to suit their design preference. Plus, the simple display design with rounded corners adds a chic sophistication to the interior.



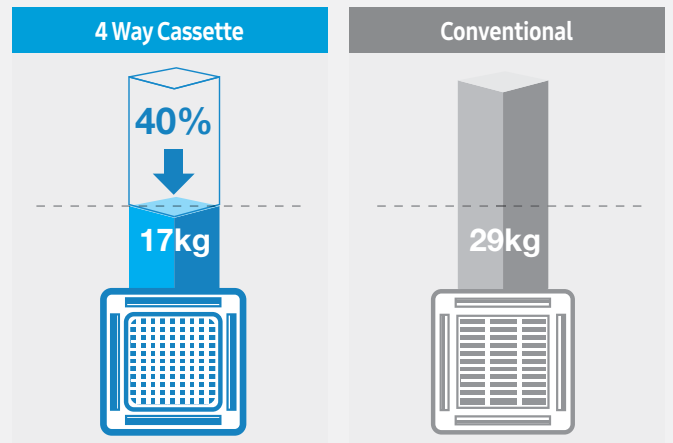
Individual blade control

With the remote controller, users can individually set the opening angles of the four blades at the same angle or different angles within a 32° - 65° range to create just the right atmosphere.



Lightweight build

The Samsung 4 Way Cassette indoor unit is now lighter in weight at 17kg. It is one of the lightest indoor units in the industry, about 40 percent lighter than conventional products.



*Based on 10kW

Optimal airflow for high ceilings

The fan speed adjustment function evenly distributes cool and warm air throughout spaces with high ceilings of up to 3.5m.



*Based on 10kW

4 Way Cassette

Specification



Model Code		AM045FN4DEH/EU	AM056FN4DEH/EU	AM071FN4DEH/EU	AM090FN4DEH/EU
Features	Type	4 Way CASSETTE	4 Way CASSETTE	4 Way CASSETTE	4 Way CASSETTE
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 2) [kW]	4.50	5.60	7.10	9.00
	Cooling 2) [Btu/h]	15,400	19,100	24,200	30,700
	Heating 2) [kW]	5.00	6.30	8.00	10.00
	Heating 2) [Btu/h]	17,100	21,500	27,300	34,100
Power Input (Nominal)	Cooling 1) [W]	32.00	32.00	45.00	62.00
	Heating 2) [W]	32.00	32.00	45.00	62.00
Fan	Motor (Output) [W]	-	-	-	-
	Air Flow Rate (High / Mid / Low) [CMM]	14.50/13.50/12.50	15.00/14.00/13.00	17.00/15.50/14.50	19.50/18.00/16.50
Piping Connections	Liquid Pipe [Φ,mm, inch]	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe [Φ,mm, inch]	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe [Φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33.0/32.0/30.0	33.0/32.0/30.0	35.0/34.0/33.0	39.0/36.0/33.0
	Sound Power [dB(A)]	49.0	50.0	54.0	57.0
External Dimension (Indoor Unit)	Net Weight [kg]	15.50	15.50	15.50	15.50
	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
Panel Size	Panel Model	Waffle WH : PC4NUSKAN / Waffle BL : PC4NBSKAN / Stripe WH : PC4NUSKEN			
	Panel Net Weight [kg]	5.80			
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950			

Model Code		AM112FN4DEH/EU	AM128FN4DEH/EU	AM140FN4DEH/EU
Features	Type	4 Way CASSETTE	4 Way CASSETTE	4 Way CASSETTE
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 2) [kW]	11.20	12.80	14.00
	Cooling 2) [Btu/h]	38,200	43,700	47,800
	Heating 2) [kW]	12.50	13.80	16.00
	Heating 2) [Btu/h]	42,700	47,100	54,600
Power Input (Nominal)	Cooling 1) [W]	78.00	73.00	89.00
	Heating 2) [W]	78.00	73.00	89.00
Fan	Motor (Output) [W]	-	-	-
	Air Flow Rate (High / Mid / Low) [CMM]	26.00/24.00/22.00	28.00/26.00/23.00	30.00/28.00/26.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/38.0/35.0	42.0/40.0/35.0	44.0/41.0/35.0
	Sound Power [dB(A)]	57.0	58.0	60.0
External Dimension (Indoor Unit)	Net Weight [kg]	17.00	19.00	19.00
	Net Dimensions (WxHxD) [mm]	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
Panel Size	Panel Model	Waffle WH : PC4NUSKAN / Waffle BL : PC4NBSKAN / Stripe WH : PC4NUSKEN		
	Panel Net Weight [kg]	5.80		
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950		

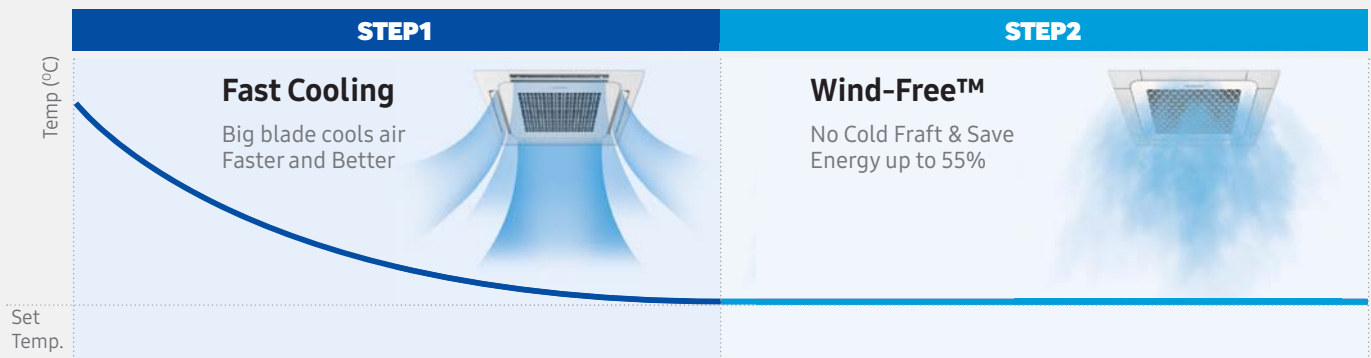
*Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.



Wind-Free™ 4 Way Cassette (600 x 600)

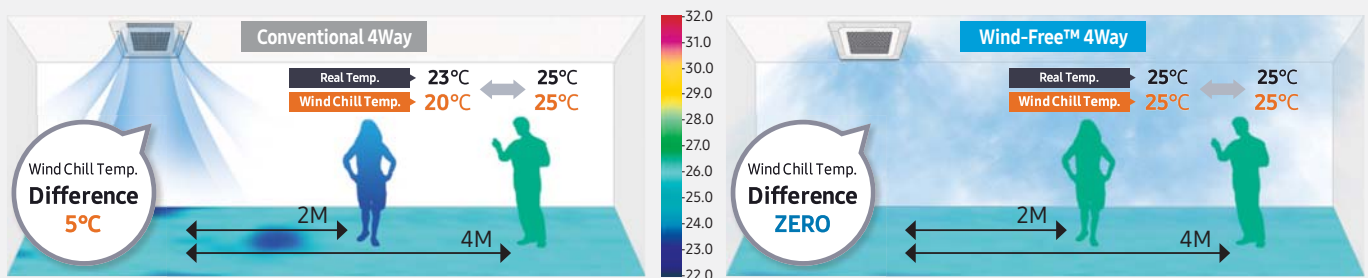
Keeps comfortable without changing settings.

The 2-Step Cooling cools the air fast in Fast Cooling, then automatically changes to Wind-Free™ to maintain the temperature. So you stay comfortable, without cold spots, and don't need to change settings.



Even Cooling in All Area

Wind-Free™ Cooling keeps the temperature inside all evenly.



Smart on/off function(Optional)

Energy Saving MDS detects when individuals are absent from the area and automatically stops the air conditioning operation. It also automatically sets operation patterns to create the perfect atmosphere and maximize energy efficiency.

Wind-Free™ 4 Way Cassette (600 x 600)

Specification



Model Code		AM015NNNDEH/EU	AM022NNNDEH/EU	AM028NNNDEH/EU	AM036NNNDEH/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	2.20	2.80	3.60
	Cooling [Btu/h]	5,100	7,500	9,600	12,300
	Heating [kW]	1.70	2.50	3.20	4.00
	Heating [Btu/h]	5,800	8,500	10,900	13,600
Power Input (Nominal)	Cooling 1) [W]	18.00	18.00	18.00	20.00
	Heating 2) [W]	18.00	18.00	18.00	20.00
Fan	Motor (Output) [W]	65 x 1	65 x 1	65 x 1	65 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	8.50/7.20/6.50	9.00/7.70/6.50	10.00/8.50/7.50	10.50/9.00/7.50
Piping Connections	Liquid Pipe [Φ, mm]	6.35	6.35	6.35	6.35
	Gas Pipe [Φ, mm]	12.70	12.70	12.70	12.70
	Drain Pipe [Φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	30/28/23	32/29/25	33/30/26	34/30/26
	Sound Power [dB(A)]	46	47	50	51
External Dimension (Indoor Unit)	Net Weight [kg]	11.70	12.00	12.00	12.00
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel model	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Panel Net Weight [kg]	2.70	2.70	2.70	2.70
	Net Dimensions (WxHxD) [mm]	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620

Model Code		AM045NNNDEH/EU	AM056NNNDEH/EU	AM060NNNDEH/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	5.60	6.00
	Cooling [Btu/h]	15,400	19,100	20,500
	Heating [kW]	5.00	6.30	6.80
	Heating [Btu/h]	17,100	21,500	23,200
Power Input (Nominal)	Cooling 1) [W]	23.00	28.00	31.00
	Heating 2) [W]	23.00	28.00	31.00
Fan	Motor (Output) [W]	65 x 1	65 x 1	65 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	11.50/10.20/9.00	13.00/11.00/9.50	13.50/12.00/10.20
Piping Connections	Liquid Pipe [Φ, mm]	6.35	6.35	6.35
	Gas Pipe [Φ, mm]	12.70	12.70	12.70
	Drain Pipe [Φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36/34/32	39/36/33	40/38/35
	Sound Power [dB(A)]	53	56	57
External Dimension (Indoor Unit)	Net Weight [kg]	12.00	12.00	12.00
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel model	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Panel Net Weight [kg]	2.70	2.70	2.70
	Net Dimensions (WxHxD) [mm]	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620

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Individual
Controllers
Required
(Choices)



Panel
Required
(Choices)



Motion
Detect
Sensor
(Optional)



4 Way Cassette (600 x 600)

Tasteful design, compact, lightweight build

Refine the interior with an elegant, compact design

The enhanced Samsung 4 Way Cassette (600 x 600) indoor air conditioner features a selection of simple panel patterns to blend seamlessly into any interior design. Its uniquely lightweight frame blends effortlessly and beautifully into any décor, while clever blade construction keeps the unit clean for a tidy appearance.

Attractive panel and display

The 4 Way Cassette (600 x 600) features a fashionable panel with a simple, beveled corner design. The rounded panel frame promotes a neat, tidy look for an aesthetic flair that blends perfectly with any ambience.

Waffle Pattern



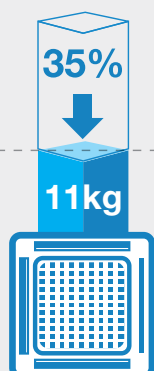
Classic Pattern



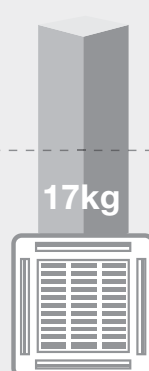
Light, robust design

The Samsung 4 Way Cassette (600 x 600) indoor unit is now lighter in weight at 11kg. It is the lightest indoor unit in the industry, about 35 percent lighter than our conventional products.

4 Way Cassette (Interior)



Conventional



*Based on 3.5kW

Ultra-compact size

Samsung's 4 Way Cassette (600 x 600) air conditioner can be installed on a single standard ceiling tile (600W x 600D) which helps minimize installation time and effort.



Create a flawless atmosphere with innovative motion-controlled operation

The optional motion detection sensor (MDS) for 4 Way Cassette (600 x 600) the world's first creates the ideal environment with added comfort control and energy savings by providing just the right amount of airflow when needed.

Smart on/off function

Energy-saving MDS detects when individuals are absent from the area and automatically stops the air conditioning operation. It also automatically sets operation patterns to create the perfect atmosphere and maximize energy efficiency.



4 Way Cassette (600 x 600)

Specification



Model Code		AM015HNNDEH/EU	AM022FNNDEH/EU	AM028FNNDEH/EU
Features	Type	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)
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 2) [kW]	1.50	2.20	2.80
	Cooling 2) [Btu/h]	5,100	7,500	9,600
	Heating 2) [kW]	1.70	2.50	3.20
	Heating 2) [Btu/h]	5,800	8,500	10,900
Power Input (Nominal)	Cooling 1) [W]	18.00	18.00	18.00
	Heating 2) [W]	18.00	18.00	18.00
Fan	Motor (Output) [W]	65 x 1	65 x 1	65 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	8.50/7.20/6.50	9.00/7.70/6.50	10.00/8.50/7.50
Piping Connections	Liquid Pipe [Φ,mm, inch]	6.35	6.35	6.35
	Gas Pipe [Φ,mm, inch]	12.70	12.70	12.70
	Drain Pipe [Φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	30.0/28.0/23.0	32.0/29.0/25.0	33.0/30.0/26.0
	Sound Power [dB(A)]	46.0	47.0	50.0
External Dimension (Indoor Unit)	Net Weight [kg]	12.00	12.00	12.00
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel Model	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN
	Panel Net Weight [kg]	2.70	2.70	2.70
	Net Dimensions (WxHxD) [mm]	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670

Model Code		AM036FNNDEH/EU	AM045FNNDEH/EU	AM056FNNDEH/EU	AM060FNNDEH/EU
Features	Type	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)
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 2) [kW]	3.60	4.50	5.60	6.00
	Cooling 2) [Btu/h]	12,300	15,400	19,100	20,500
	Heating 2) [kW]	4.00	5.00	6.30	6.80
	Heating 2) [Btu/h]	13,600	17,100	21,500	23,200
Power Input (Nominal)	Cooling 1) [W]	20.00	23.00	28.00	31.00
	Heating 2) [W]	20.00	23.00	28.00	31.00
Fan	Motor (Output) [W]	65 x 1	65 x 1	65 x 1	65 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	10.50/9.50/8.00	11.50/10.20/9.00	13.00/11.00/9.50	13.50/12.00/10.20
Piping Connections	Liquid Pipe [Φ,mm, inch]	6.35	6.35	6.35	6.35
	Gas Pipe [Φ,mm, inch]	12.70	12.70	12.70	12.70
	Drain Pipe [Φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	34.0/30.0/26.0	36.0/34.0/32.0	39.0/36.0/33.0	40.0/38.0/35.0
	Sound Power [dB(A)]	51.0	53.0	56.0	57.0
External Dimension (Indoor Unit)	Net Weight [kg]	12.00	12.00	12.00	12.00
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel Model	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN
	Panel Net Weight [kg]	2.70	2.70	2.70	2.70
	Net Dimensions (WxHxD) [mm]	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670

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Individual Controllers Required (Choices)

MWR-WE13N MWR-SH10N MWR-SH00N AR-EH03E

Panel Required (Choices)

PC4SUSMAN (670 mm*670 mm)
PC4SUSMEN (670 mm*670 mm)
PC4SUSMBN (620 mm*620 mm)
PC4SUSMFN (620 mm*620 mm)

Motion Detect Sensor (Optional)

MCR-SMA (670 mm*670 mm only)

Wind-Free™ 1 Way Cassette

Wind-Free™ Cooling.

Get cool fast, Stay Cool without Direct Wind.

Wind-Free™ Cooling effectively maintains a comfortable level of coolness without the unpleasant feeling of cold wind. Cool air is gently dispersed through 10,000 micro air holes, so you don't feel too hot or cold.

※ Still Air condition : Still Air refers to the airflow that flows under the velocity of 0.15 m/s, and it is hardly acknowledgeable.

- ※ PC1MWFMAN : 7,534ea
- PC1NWFMAN : 10,454ea
- PC1BWFMAN : 13,961ea



Micro Holes

DVM S

Keeps comfortable without changing settings.

The 2-Step Cooling cools the air fast in Fast Cooling, then automatically changes to Wind-Free™ to maintain the temperature. So you stay comfortable, without cold spots, and don't need to change settings.



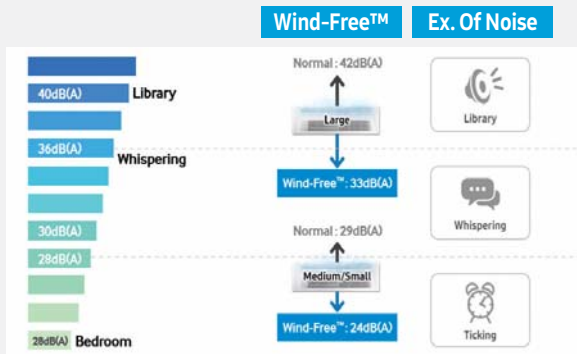
Even Cooling in All Area

Wind-Free™ Cooling keeps the temperature inside all evenly.



Quiet operation

Extremely quiet with Wind-Free™ operation.



※ Standard by National Noise information System

Wind-Free™ 1 Way Cassette

Specification



Model Code		AM017NN1PEH/EU	AM022NN1PEH/EU	AM022NN1DEH/EU	AM028NN1DEH/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]	1.70	2.20	2.20	2.80
	Cooling [Btu/h]	5,800	7,500	7,500	9,600
	Heating [kW]	1.90	2.50	2.50	3.20
	Heating [Btu/h]	6,500	8,500	8,500	10,900
Power Input (Nominal)	Cooling 1) [W]	24.00	25.00	40.00	45.00
	Heating 2) [W]	24.00	25.00	40.00	45.00
Fan	Motor (Output) [W]	27 x 1	27 x 1	17 x 1	17 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	4.80/4.30/4.10	5.10/4.60/4.30	6.00/5.00/4.00	7.00/6.00/5.00
Piping Connections	Liquid Pipe [φ, mm]	6.35	6.35	6.35	6.35
	Gas Pipe [φ, mm]	12.70	12.70	12.70	12.70
	Drain Pipe [φ,mm]	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	28 / 26 / 24	29 / 26 / 24	29 / 26 / 24	32 / 28 / 24
	Sound Power [dB(A)]	46	47	47	50
External Dimension (Indoor Unit)	Net Weight [kg]	8.0	8.0	10	10
	Net Dimensions (WxHxD) [mm]	740 x 135 x 360	740 x 135 x 360	970 x 135 x 410	970 x 135 x 410
Panel Size	Panel model	PC1MWFMAN	PC1MWFMAN	PC1NWFMAN	PC1NWFMAN
	Panel Net Weight [kg]	2.6	2.6	4.3	4.3
	Net Dimensions (WxHxD) [mm]	960 x 35 x 420	960 x 35 x 420	1198 x 35 x 500	1198 x 35 x 500

Model Code		AM036NN1DEH/EU	AM056NN1DEH/EU	AM071NN1DEH/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]	3.60	5.60	7.10
	Cooling [Btu/h]	12,300	19,100	24,200
	Heating [kW]	4.00	6.30	8.00
	Heating [Btu/h]	13,600	21,500	27,300
Power Input (Nominal)	Cooling 1) [W]	50.00	55.00	80.00
	Heating 2) [W]	50.00	55.00	80.00
Fan	Motor (Output) [W]	17 x 1	54 x 1	54 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	8.00/7.00/6.00	15/13/11	16.5/14.5/12
Piping Connections	Liquid Pipe [φ, mm]	6.35	6.35	9.52
	Gas Pipe [φ, mm]	12.70	12.70	15.88
	Drain Pipe [φ,mm]	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37 / 33 / 30	41 / 38 / 35	42 / 39 / 36
	Sound Power [dB(A)]	55	59	60
External Dimension (Indoor Unit)	Net Weight [kg]	10	13.5	13.5
	Net Dimensions (WxHxD) [mm]	970 x 135 x 410	1200 x 138 x 450	1200 x 138 x 450
Panel Size	Panel model	PC1NWFMAN	PC1BWFMAN	PC1BWFMAN
	Panel Net Weight [kg]	4.3	5.0	5.0
	Net Dimensions (WxHxD) [mm]	1198 x 35 x 500	1410 x 35 x 500	1410 x 35 x 500

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Individual
Controllers
Required
(Choices)



Panel
Required
(Choices)



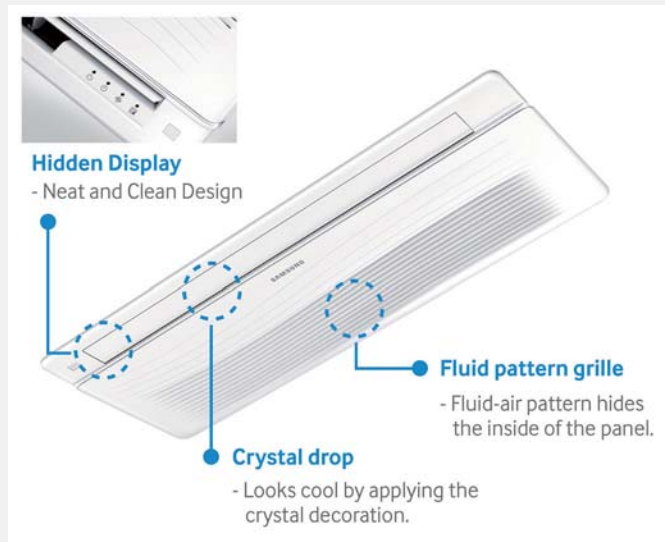
PC1MWFMAN(1.7-2.2kw)
PC1NWFMAN(2.2-3.6kw)
PC1BWFMAN(5.6-7.1kw)

1 Way Cassette

Visually appealing panel

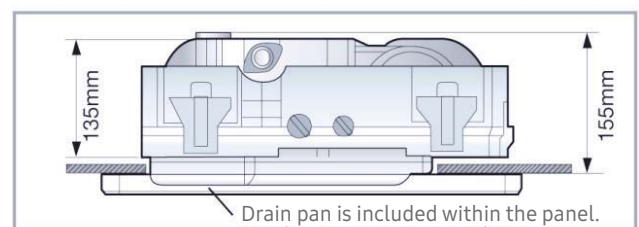
Enhance any décor with refined elegance and comfort

1 Way Cassette features a simple and refined design. The clean lines and simple display design become a modern classic, which looks great with any interior.



Ease installation and maintenance with a slim and compact design

At a height of only 135mm, the 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%.



1 Way Cassette

Specification



Model Code		AM017HN1DEH/EU	AM022HN1DEH/EU	AM022FN1DEH/EU
Features	Type	1 Way CASSETTE	1 Way CASSETTE	1 Way CASSETTE
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 2) [kW]	1.70	2.20	2.20
	Cooling 2) [Btu/h]	5,800	7,500	7,500
	Heating 2) [kW]	1.90	2.50	2.60
	Heating 2) [Btu/h]	6,500	8,500	8,900
Power Input (Nominal)	Cooling 1) [W]	24.00	25.00	40.00
	Heating 2) [W]	24.00	25.00	40.00
Fan	Motor (Output) [W]	27 x 1	27 x 1	17 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	4.80/4.30/4.10	5.10/4.60/4.30	6.00/5.00/4.00
Piping Connections	Liquid Pipe [Φ,mm, inch]	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe [Φ,mm, inch]	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")
	Drain Pipe [Φ,mm]	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	27.0/24.0/21.0	27.0/25.0/23.0	27.0/25.0/23.0
	Sound Power [dB(A)]	43.0	46.0	-
External Dimension (Indoor Unit)	Net Weight [kg]	8.00	8.00	10.50
	Net Dimensions (WxHxD) [mm]	740 x 135 x 360	740 x 135 x 360	970 x 135 x 410
Panel Size	Panel Model	PC1MWSKAN		Fluid : PC1NWSMAN / Stripe : PC1NUSMAN / Sliding : PC1NUPMAN
	Panel Net Weight [kg]	2.60		5.50
	Net Dimensions (WxHxD) [mm]	900 x 25 x 420		1198 x 25 x 500

Model Code		AM028FN1DEH/EU	AM036FN1DEH/EU	AM056JN1DEH/EU	AM071JN1DEH/EU
Features	Type	1 Way CASSETTE	1 Way CASSETTE	1 Way CASSETTE	1 Way CASSETTE
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 2) [kW]	2.80	3.60	5.60	7.10
	Cooling 2) [Btu/h]	9,600	12,300	19,100	24,200
	Heating 2) [kW]	3.20	4.00	6.30	8.00
	Heating 2) [Btu/h]	10,900	13,600	21,500	27,300
Power Input (Nominal)	Cooling 1) [W]	45.00	50.00	55.00	80.00
	Heating 2) [W]	45.00	50.00	55.00	80.00
Fan	Motor (Output) [W]	17 x 1	17 x 1	54 x 1	54 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	7.00/6.00/5.00	8.00/7.00/6.00	16.00/14.00/12.50	17.00/15.50/14.00
Piping Connections	Liquid Pipe [Φ,mm, inch]	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
	Gas Pipe [Φ,mm, inch]	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")
	Drain Pipe [Φ,mm]	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)	VP20 (OD 25,ID 20)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	29.0/27.0/24.0	35.0/31.0/27.0	36.0/33.0/31.0	39.0/37.0/34.0
	Sound Power [dB(A)]	-	-	58.0	60.0
External Dimension (Indoor Unit)	Net Weight [kg]	10.50	10.50	14.50	14.50
	Net Dimensions (WxHxD) [mm]	970 x 135 x 410	970 x 135 x 410	1200 x 138 x 450	1200 x 138 x 450
Panel Size	Panel Model	Fluid : PC1NWSMAN / Stripe : PC1NUSMAN / Sliding : PC1NUPMAN		Fluid : PC1BWSMAN / Stripe : PC1BWSEAN / Sliding : PC1BWPEAN	
	Panel Net Weight [kg]	5.50		6.30	
	Net Dimensions (WxHxD) [mm]	1198 x 25 x 500		1410 x 23 x 500	

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Individual Controllers Required (Choices)					Panel Required (Choices)			
	MWR-WE13N	MWR-SH10N	MWR-SH00N	AR-EH03E		PC1MWSKAN (1.7-2.2kW) PC1NWSMAN (2.2-3.6kW) PC1BWSMAN (5.6-7.1kW)	PC1NUSMAN (2.2-3.6kW) PC1BWSEAN (5.6-7.1kW)	PC1NUPMAN (2.2-3.6kW) PC1BWPEAN (5.6-7.1kW)

2 Way Cassette

Equip even the narrowest of spaces with high-performance cooling and heating

Samsung 2 Way Cassette is perfectly suited for long and narrow places with limited installation space, thanks to its compact and slim frame. The unit distributes airflow from two sides, providing powerful cooling and heating performance in an instant for a pleasant environment.

The 2 Way Cassette indoor air conditioning unit delivers optimal airflow and efficiency with features such as:

- **Exceptional operation and control.** Easily maintain a calming and comfortable atmosphere with broad airflow coverage, temperature control and self-diagnosis.
- **Easy and flexible installation.** Reduce the time and effort of installation with a compact size that fits the ceiling space impeccably.



2 Way Cassette

Specification



Model Code		AM056FN2DEH/EU	AM071FN2DEH/EU
Features	Type	2 Way CASSETTE (50Hz)	2 Way CASSETTE (50Hz)
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 2) [kW]	5.60	7.10
	Cooling 2) [Btu/h]	19,100	24,200
	Heating 2) [kW]	6.30	8.00
	Heating 2) [Btu/h]	21,500	27,300
Power Input (Nominal)	Cooling 1) [W]	70.00	75.00
	Heating 2) [W]	70.00	75.00
Fan	Motor (Output) [W]	14 x 2	14 x 2
	Air Flow Rate (High / Mid / Low) [CMM]	14.00/13.00/12.00	15.00/14.00/13.00
Piping Connections	Liquid Pipe [Φ,mm, inch]	6.35 (1/4")	9.52 (3/8")
	Gas Pipe [Φ,mm, inch]	12.70 (1/2")	15.88 (5/8")
	Drain Pipe [Φ,mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0/37.0/35.0	41.0/39.0/37.0
	Sound Power [dB(A)]	62.0	65.0
External Dimension (Indoor Unit)	Net Weight [kg]	21.00	22.00
	Net Dimensions (WxHxD) [mm]	890 x 230 x 575	890 x 230 x 575
Panel Size	Panel Model	PC2NUSMEN	
	Panel Net Weight [kg]	4.00	
	Net Dimensions (WxHxD) [mm]	1030 x 25 x 650	

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Individual
Controllers
Required
(Choices)



MWR-WE13N



MWR-SH10N



MWR-SH00N



AR-EH03E

Panel
Required
(Choice)



PC2NUSMEN

HSP Duct

Robust, high-pressure control

Control the atmosphere effortlessly with robust, adaptable performance

With the capacity to handle high external static pressure up to 25 mmAq, the powerful Samsung HSP Duct provides an expansive coverage area with outstanding cooling and heating performance. HSP Duct is an ideal fit for spaces with high ceilings and can be flexibly installed to suit various environments.

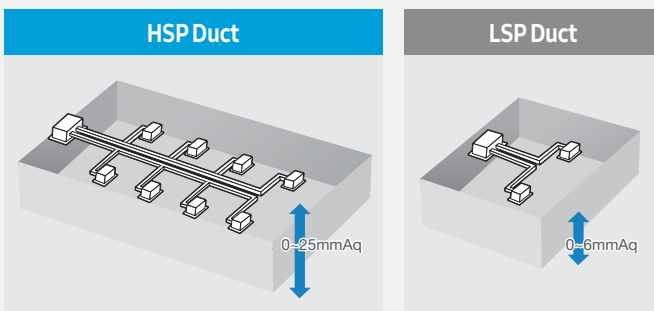


Split fan and coil

Products that are difficult to install are often challenging to use as well. Considering users' product experience from start to finish, Samsung separated the Duct S (AC6000) into two parts, coil and fan, for easier installation and management. When users experience difficulty handling the product due to space limitations or weight, they can install the parts separately and then put them back together as one unit.

Silent operation

The external static pressure control makes it easy to customize the ductwork to ensure efficiency and silent operation.



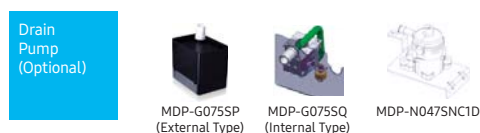
HSP Duct Specification



Model Code		AM112HNHPKH/EU	AM128HNHPKH/EU	AM140HNHPKH/EU
Features	Type	DUCT S	DUCT S	DUCT S
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 2) [kW]	11.20	12.80	14.00
	Cooling 2) [Btu/h]	38,200	43,700	47,800
	Heating 2) [kW]	12.50	13.80	16.00
	Heating 2) [Btu/h]	42,700	47,100	54,600
Power Input (Nominal)	Cooling 1) [W]	205.00	230.00	260.00
	Heating 2) [W]	205.00	230.00	260.00
Fan	Motor (Output) [W]	350 x 1	350 x 1	350 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	35.00/29.00/22.00	38.00/32.00/25.00	42.00/34.00/25.00
	External Pressure (Min / Std / Max) [mmAq]	3.00/6.20/20.00	3.00/6.20/20.00	3.00/6.20/20.00
Piping Connections	Liquid Pipe [Φ,mm, inch]	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe [Φ,mm, inch]	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe [Φ,mm]z	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0/35.0/32.0	39.0/36.0/32.0	40.0/37.0/32.0
	Sound Power (Cooling) [dB(A)]	63.0	63.0	65.0
External Dimension (Indoor Unit)	Net Weight (kg)	46.50	46.50	46.50
	Net Dimensions (WxHxD) (mm)	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700
Additional Accessories	Drain pump (Optional)	MDP-G075SP	MDP-G075SP	MDP-G075SP

Model Code		AM180JNHFKH/EU	AM224JNHFKH/EU	AM280FNHDEH/EU
Features	Type	HSP DUCT	HSP DUCT	HSP DUCT
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 2) [kW]	18.00	22.40	28.00
	Cooling 2) [Btu/h]	61,400	76,400	95,500
	Heating 2) [kW]	20.00	25.00	31.50
	Heating 2) [Btu/h]	68,200	85,300	107,500
Power Input (Nominal)	Cooling 1) [W]	340.00	530.00	790.00
	Heating 2) [W]	340.00	530.00	790.00
Fan	Motor (Output) [W]	630 x 1	630 x 1	400 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	58.00/50.00/43.00	72.00/61.00/50.00	72.00/65.00/58.00
	External Pressure (Min / Std / Max) [mmAq]	5.00/7.34/20.00	5.00/7.34/20.00	5.00/15.00/28.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	19.05 (3/4")	19.05 (3/4")	22.22 (7/8")
	Drain Pipe (Φ,mm)	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	43.0/39.0/35.0	44.0/40.0/36.0	48.0/46.0/43.0
	Sound Power (Cooling) [dB(A)]	80.0	81.0	79.0
External Dimension (Indoor Unit)	Net Weight (kg)	82.50	82.50	89.00
	Net Dimensions (WxHxD) (mm)	1350 x 450 x 910	1350 x 450 x 910	1240 x 470 x 1040
Additional Accessories	Drain pump (Optional)	MDP-G075SP	MDP-G075SP	MDP-N047SNC1D

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MSP Duct

Silent, strong performance

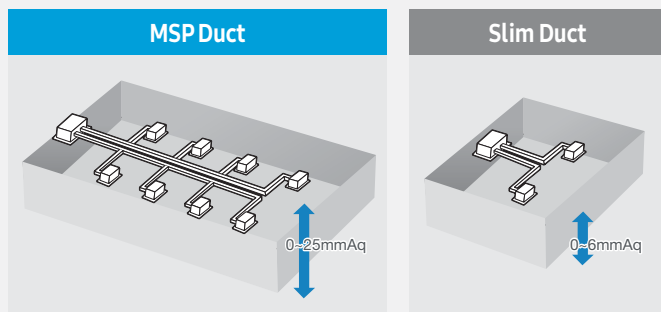
Deliver increased airflow to broader areas with quiet, powerful cooling and heating



Concealed behind the ceiling, Samsung MSP Duct provides powerful yet silent operation with external static pressure control. Its exceptional static pressure enables a broad coverage area and provides stable, efficient performance in larger spaces.

Extensive coverage

MSP Duct offers greater static pressure than most slim ducts. This higher pressure level enables users to design more inlets and outlets with longer ductwork to provide even more airflow to larger areas.



Quiet performance

The external static pressure control makes it easy to customize the ductwork to ensure efficiency and silent operation.

Easy upkeep and installation

The MSP Duct unit features quickly accessible parts so users can maintain the unit with ease. And its compact size and narrow width of 900 mm enable flexible installation and management for added user convenience.



New Line-up (Drain Pump Included)

Drain Pump Included type is benefit of easy installation and saving the labor cost.



MSP Duct Specification



Model Code		AM022KNMDEH/EU	AM028KNMDEH/EU	AM036KNMDEH/EU	AM045KNMDEH/EU	AM056KNMDEH/EU	AM071KNMDEH/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]	2.20	2.80	3.60	4.50	5.60	7.10
	Cooling [Btu/h]	7,500	9,600	12,300	15,400	19,100	24,200
	Heating [kW]	2.50	3.20	4.00	5.00	6.30	8.00
	Heating [Btu/h]	8,500	10,900	13,600	17,100	21,500	27,300
Power Input (Nominal)	Cooling [W]	80.00	80.00	85.00	125.00	130.00	190.00
	Heating [W]	80.00	80.00	85.00	125.00	130.00	190.00
Fan	Motor (Output x N) [W]	69 x 1	69 x 1	112 x 1	219 x 1	124 x 1	124 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	8.50/7.50/6.30	10.00/9.20/7.50	12.00/10.20/8.80	14.00/12.00/10.50	14.50/13.00/11.50	18.50/17.00/15.50
	External Pressure (Min / Std / Max) [mmAq]	0.00/2.00/6.00	0.00/2.00/6.00	0.00/2.00/6.00	0.00/4.00/8.00	0.00/4.00/8.00	0.00/4.00/8.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	23.0/21.0/19.0	24.0/22.0/19.0	29.0/27.0/24.0	32.0/30.0/28.0	35.0/33.0/31.0	39.0/35.0/31.0
	Sound Power (Cooling) [dB(A)]	47.0	48.0	60.0	63.0	66.0	71.0
External Dimension (Indoor Unit)	Net Weight (kg)	24.00	24.00	24.00	28.50	28.50	28.50
	Net Dimensions (WxHxD) (mm)	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	900 x 260 x 480	900 x 260 x 480	900 x 260 x 480

Model Code		AM090KNMDEH/EU	AM112KNMDEH/EU	AM128KNMDEH/EU	AM140KNMDEH/EU	AM160KNMDEH1EU
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	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	9.00	11.20	12.80	14.00	16.00
	Cooling [Btu/h]	30,700	38,200	43,700	47,800	54,600
	Heating [kW]	10.00	12.50	13.80	16.00	18.00
	Heating [Btu/h]	34,100	42,700	47,100	54,600	61,400
Power Input (Nominal)	Cooling [W]	240.00	260.00	370.00	410.00	485.00
	Heating [W]	240.00	260.00	370.00	410.00	485.00
Fan	Motor (Output x N) [W]	130 x 1	130 x 1	218 x 1	218 x 1	370 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	19.50/18.00/16.50	27.00/25.00/23.00	32.00/30.00/28.00	37.00/34.00/31.00	43.00/38.00/30.50
	External Pressure (Min / Std / Max) [mmAq]	4.00/6.00/8.00	4.00/8.00/12.00	4.00/8.00/14.00	4.00/8.00/14.00	4.00/8.00/14.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/37.0/34.0	41.0/40.0/38.0	41.0/40.0/38.0	42.0/39.0/36.0	43.0/40.0/36.0
	Sound Power (Cooling) [dB(A)]	71.0	72.0	72.0	73.0	69.0
External Dimension (Indoor Unit)	Net Weight (kg)	32.50	36.00	48.50	48.50	50.5
	Net Dimensions (WxHxD) (mm)	1150 x 260 x 480	1150 x 320 x 480	1200 x 360 x 650	1200 x 360 x 650	1200 x 360 x 650

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LSP Duct

Ultra-light, adaptable design

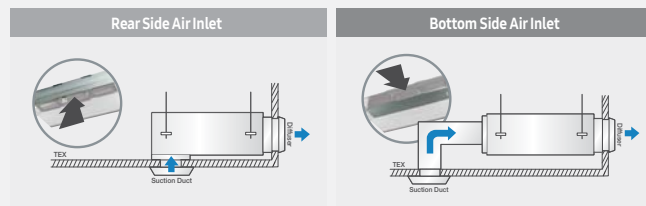


Temper any environment with industry-best lightweight design and optimized airflow

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.

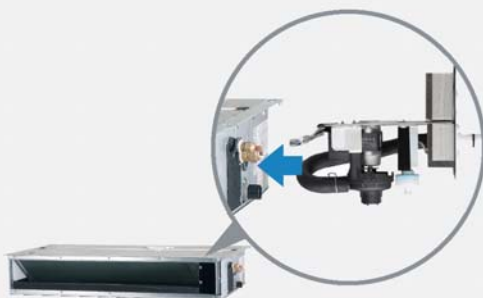
Flexible setup

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



New Line-up (Drain Pump Included)

Drain Pump Included type is benefit of easy installation and saving the labor cost

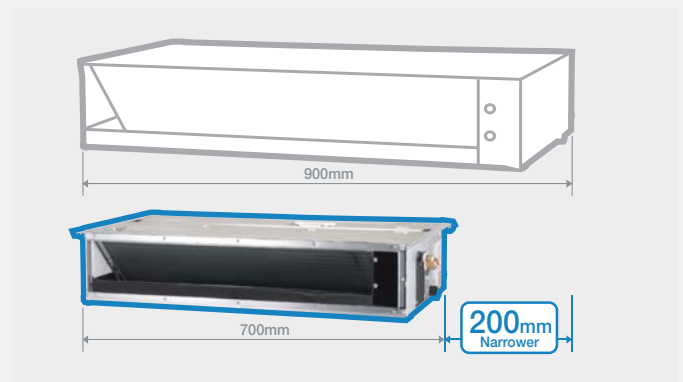


Various installation options

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.

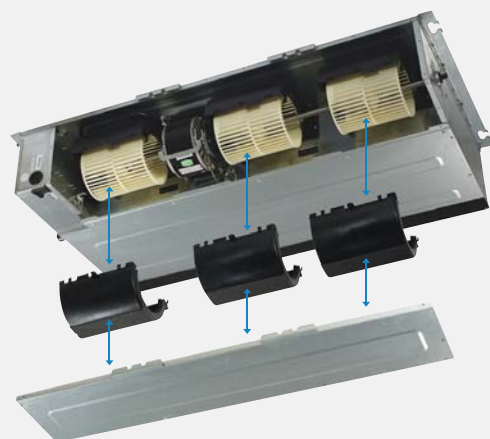
World's lightest weight

The efficient Slim Duct S is the lightest duct air conditioning unit on the market. At a weight that's 15 percent 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.



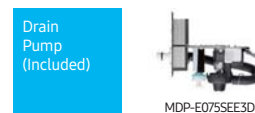
LSP Duct Specification



Model Code		AM017KNLDEH/EU	AM022KNLDEH/EU	AM028KNLDEH/EU	AM036KNLDEH/EU	AM045KNLDEH/EU	AM056KNLDEH/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]	1.70	2.20	2.80	3.60	4.50	5.60
	Cooling [Btu/h]	5,800	7,500	9,600	12,300	15,400	19,100
	Heating [kW]	1.90	2.50	3.20	4.00	5.00	6.30
	Heating [Btu/h]	6,500	8,500	10,900	13,600	17,100	21,500
Power Input (Nominal)	Cooling [W]	28.00	30.00	34.00	40.00	90.00	95.00
	Heating [W]	28.00	30.00	36.00	42.00	90.00	95.00
Fan	Motor (Output x N) [W]	69 x 1	69 x 1	69 x 1	69 x 1	-	-
	Air Flow Rate (High / Mid / Low) [CMM]	5.45/4.45/3.80	6.00/4.90/3.80	7.05/5.15/4.35	8.20/6.50/4.90	11.00/9.60/8.30	12.00/10.50/9.00
	External Pressure (Min / Std / Max) [mmAq]	0.00/1.00/3.00	0.00/1.00/3.00	0.00/1.00/3.00	0.00/1.00/3.00	0.00/2.00/4.00	0.00/2.00/4.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	25.0/23.0/22.0	26.0/23.0/22.0	28.0/26.0/24.0	31.0/28.0/25.0	35.0/31.0/26.0	36.0/34.0/31.0
	Sound Power (Cooling) [dB(A)]	40.0	42.0	44.0	46.0	53.0	55.0
External Dimension (Indoor Unit)	Net Weight (kg)	15.30	15.30	15.30	15.70	24.50	24.50
	Net Dimensions (WxHxD) (mm)	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440	900 x 199 x 600	900 x 199 x 600

Model Code		AM071KNLDEH/EU	AM090KNLDEH/EU	AM112KNLDEH/EU	AM128KNLDEH/EU	AM140KNLDEH/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	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	7.10	9.00	11.20	12.80	14.00
	Cooling [Btu/h]	24,200	30,700	38,200	43,700	47,800
	Heating [kW]	8.00	10.00	12.50	13.80	16.00
	Heating [Btu/h]	27,300	34,100	42,700	47,100	54,600
Power Input (Nominal)	Cooling [W]	120.00	170.00	170.00	200.00	220.00
	Heating [W]	120.00	170.00	170.00	200.00	220.00
Fan	Motor (Output x N) [W]	-	-	-	-	-
	Air Flow Rate (High / Mid / Low) [CMM]	16.50/15.00/13.50	29.00/27.00/25.00	31.20/29.00/27.00	34.00/32.00/30.00	36.00/34.00/32.00
	External Pressure (Min / Std / Max) [mmAq]	0.00/2.00/4.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0/36.0/33.0	37.0/36.0/34.0	37.0/36.0/34.0	37.0/36.0/34.0	39.0/38.0/36.0
	Sound Power (Cooling) [dB(A)]	57.0	66.0	66.0	66.0	68.0
External Dimension (Indoor Unit)	Net Weight (kg)	30.50	40.50	40.50	42.00	42.00
	Net Dimensions (WxHxD) (mm)	1100 x 199 x 600	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690

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O.A.P (Outdoor Air Processing Duct)

100% fresh treated air supply

Conserve energy and costs with practical, high-powered operation

Samsung's new Outdoor Air Processing Duct is an outdoor fresh air treatment unit with integrated ventilation, combining fresh air processing and air conditioning via a single system.

Air conditioning indoor units and an Outdoor Air Processing unit can be connected to the same refrigerant line, resulting in enhanced design flexibility and a significant reduction in total system costs. A BLDC motor extends the savings with considerably less energy consumption.

High-efficiency motor

The BLDC motor supports the highest efficiency level possible. Its low-consumption design saves up to 32 percent more energy than conventional products for more economical and practical operation.

Quiet operation

Equipped with the proficient BLDC motor, Outdoor Air Processing Duct operates quietly with a sound level as low as 42 dB, slightly higher than that of a library. Such distraction-free operation ensures optimum comfort and calm for any environment.

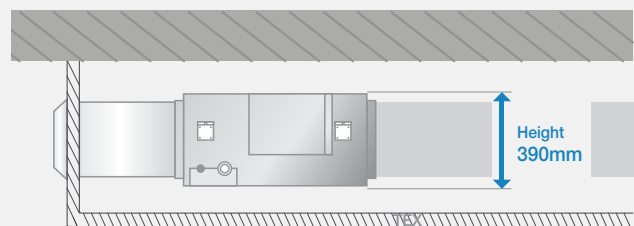


Full-range temperature processing

Samsung Outdoor Air Processing Duct supplies fresh air to the interior environment by cold or heat processing a wide spectrum of outside temperatures ranging from -5°C to 52°C.

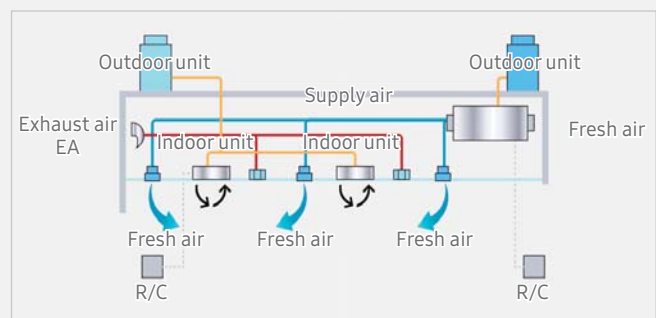
Flexible installation

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



Flexible static pressure control

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



O.A.P Duct Specification



Model Code		AM140JNEPEH/EU	AM220JNEPEH/EU	AM280JNEPEH/EU
Features	Type	OAP Duct	OAP Duct	OAP Duct
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 2) [kW]	14.00	22.40	28.00
	Cooling 2) [Btu/h]	47,800	76,400	95,500
	Heating 2) [kW]	8.90	13.90	17.40
	Heating 2) [Btu/h]	30,400	47,400	59,400
Power Input (Nominal)	Cooling 1) [W]	220.00	300.00	370.00
	Heating 2) [W]	220.00	300.00	370.00
Fan	Motor (Output) [W]	183 x1	400 x1	400 x1
	Air Flow Rate (High / Mid / Low) [CMM]	18.00/-/-	28.00/-/-	35.00/-/-
	External Pressure (Min / Std / Max) [mmAq]	5.00/20.39/25.00	10.00/23.45/25.00	10.00/25.49/27.50
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	15.88 (5/8")	19.05 (3/4")	22.22 (7/8")
	Drain Pipe (Φ,mm)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	42.0/-/-	46.0/-/-	47.0/-/-
	Sound Power (Cooling) [dB(A)]	65.0	66.0	69.0
External Dimension (Indoor Unit)	Net Weight (kg)	51.00	85.00	85.00
	Net Dimensions (WxHxD) (mm)	1110 x 390 x 650	1240 x 470 x 1040	1240 x 470 x 1040
Additional Accessories	Drain pump (Optional)	MDP-N047SNC0D	MDP-N047SNC1D	MDP-N047SNC1D

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Individual
Controllers
Required
(Choices)



Drain
Pump
(Optional)



Wall Mounted (Boracay)

Fast cooling, faster comfort

Fast Cooling Mode cools the room 15% faster than General mode*

by running the maximum level with the fastest fan speed for 30 minutes. So it provides relief from the sweltering heat outside. Full HD 80 Filter filtration dust particles by up to 80%, and due to the anti-bacterial coating, this filter effectively removes harmful biological contaminants.



Enjoy a good night's sleep

Good Sleep mode creates the desirable climate for a good night's sleep. With its temperature control and moisture adjustment it may help you feel comfortable during your sleep.

Wall Mounted (MAX 9.3 kW)

The wall mounted indoor unit of the bigger capacity

This product of bigger capacity which is suitable for the space difficult to install in the ceiling including the school, office, retail and etc.

This wall-mounted type of large capacity is suitable to avoid falling water from ceiling in the server room environment.



Wall Mounted Specification



AM015KNQDEH/EU - AM071KNQDEH/EU



AM093MNQDEH/EU

Model Code		AM015KNQDEH/EU	AM022KNQDEH/EU	AM028KNQDEH/EU	AM036KNQDEH/EU	AM045KNQDEH/EU
Features	Type	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
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	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
Capacity	Cooling [kW]	1.5	2.2	2.8	3.6	4.5
	Cooling [Btu/h]	5100	7500	9600	12300	15400
	Heating [kW]	1.7	2.5	3.2	4	5
	Heating [Btu/h]	5800	8500	10900	13600	17100
Power Input (Nominal)	Cooling [W]	32	32	38	42	47
	Heating [W]	34	35	39	42	47
Fan	Motor (Output x N) [W]	19W x 1	19W x 1	19W x 1	19W x 1	28W x 1
	Air Flow Rate (High / Mid / Low) [CMM]	6.2/5.7/5.1	6.6/5.7/5.1	7.0/6.2/5.5	8.5/7.5/6.6	13.9/12.4/11.2
Piping Connections	Liquid Pipe (Φ, mm, inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
	Gas Pipe (Φ, mm, inch)	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")
	Drain Pipe (Φ,mm)	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Refrigerant	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	30/28/25	31/28/25	31/29/26	36/33/29	38/35/33
	Sound Power Cooling [dB(A)]	47	48	48	51	53
External Dimension (Indoor Unit)	Net Weight [kg]	8.5	8.5	9	9	12.5
	Net Dimensions (WxHxD) [mm]	820 x 285 x 227	820 x 285 x 227	820 x 285 x 227	820 x 285 x 227	1065 x 298 x 243

Model Code		AM056KNQDEH/EU	AM071KNQDEH/EU	AM093MNQDEH/EU
Features	Type	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
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]	5.6	6.8	9.3
	Cooling [Btu/h]	19100	23200	31,700
	Heating [kW]	6.3	7	9.8
	Heating [Btu/h]	21500	23900	33,400
Power Input (Nominal)	Cooling [W]	48	51	66
	Heating [W]	48	53	76
Fan	Motor (Output x N) [W]	28W x 1	28W x 1	58W x 1
	Air Flow Rate (High / Mid / Low) [CMM]	14.4/12.9/11.2	15.7/14.1/12.9	23 / 20 / 17
Piping Connections	Liquid Pipe (Φ, mm, inch)	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ, mm, inch)	12.7 (1/2")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,mm)	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Refrigerant	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	39/36/33	40/38/35	49/46/43
	Sound Power Cooling [dB(A)]	53	55	65
External Dimension (Indoor Unit)	Net Weight [kg]	12.5	12.5	19
	Net Dimensions (WxHxD) [mm]	1065 x 298 x 243	1065 x 298 x 243	1279 x 345 x 229

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Individual
Controller
Required
(Choices)



MWR-WE13N MWR-SH10N MWR-SH00N AR-EH03E

DVMS

Console

Luxurious style and calm

Create an exquisite interior complemented by elegant design and quiet performance

The slim, elegant Samsung Console Type indoor unit is designed to perfectly fit spaces with high ceilings and numerous windows while maintaining an optimal indoor temperature. Samsung's console air conditioning solution makes any environment more pleasant and comfortable with features such as:

Two-way airflow

Featuring a 2-way air outlet, Samsung's console unit includes 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. Users stay cooler or warmer in every corner of the room.



Slim, low-profile design

Samsung's console type air conditioner is only 199 mm thick, the slimmest on the market, and its unobtrusive design easily integrates into any décor.

Stay-clean panel

The intelligently designed clean panel keeps dust from accumulating, so the unit and the room stay cleaner.

Sophisticated control

The touchscreen display delivers convenient control, and is an elegant example of functional art.



Console Specification



Model Code		AM022KNJDEH/EU	AM028FNJDEH/EU
Features	Type	CONSOLE	CONSOLE
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 2) [kW]	2.20	2.80
	Cooling 2) [Btu/h]	7,500	9,600
	Heating 2) [kW]	2.50	3.20
	Heating 2) [Btu/h]	8,500	10,900
Power Input (Nominal)	Cooling 1) [W]	16.00	30.00
	Heating 2) [W]	16.00	30.00
Fan	Motor (Output) [W]	37 x 1	37 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	6.30/5.40/4.90	7.00/6.00/5.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35	6.35
	Gas Pipe (Φ,mm, inch)	12.70	12.70
	Drain Pipe (Φ,mm)	ID 18 HOSE	ID 18 HOSE
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	34.0/32.0/30.0	38.0/36.0/34.0
	Sound Power (Cooling) [dB(A)]	52.0	-
External Dimension (Indoor Unit)	Net Weight (kg)	15.50	16.00
	Net Dimensions (WxHxD) (mm)	720 x 620 x 199	720 x 620 x 199

Model Code		AM036FNJDEH/EU	AM045KNJDEH/EU	AM056FNJDEH/EU
Features	Type	CONSOLE	CONSOLE	CONSOLE
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 2) [kW]	3.60	4.50	5.60
	Cooling 2) [Btu/h]	12,300	15,400	19,100
	Heating 2) [kW]	4.00	5.00	6.30
	Heating 2) [Btu/h]	13,600	17,100	21,500
Power Input (Nominal)	Cooling 1) [W]	35.00	36.00	62.00
	Heating 2) [W]	35.00	36.00	62.00
Fan	Motor (Output) [W]	37 x 1	37 x 1	37 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	8.50/7.50/6.50	11.30/9.80/8.20	13.00/11.50/10.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35	6.35	6.35
	Gas Pipe (Φ,mm, inch)	12.70	12.70	12.70
	Drain Pipe (Φ,mm)	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	39.0/37.0/34.0	42.0/39.0/36.0	43.0/40.0/37.0
	Sound Power (Cooling) [dB(A)]	-	63.0	-
External Dimension (Indoor Unit)	Net Weight (kg)	16.00	16.00	16.00
	Net Dimensions (WxHxD) (mm)	720 x 620 x 199	720 x 620 x 199	720 x 620 x 199

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Individual
Controllers
(Optional)



MWR-WE13N MWR-SH10N MWR-SH00N

Wireless
Remote
Controller
(Included)



MR-EH00

Ceiling

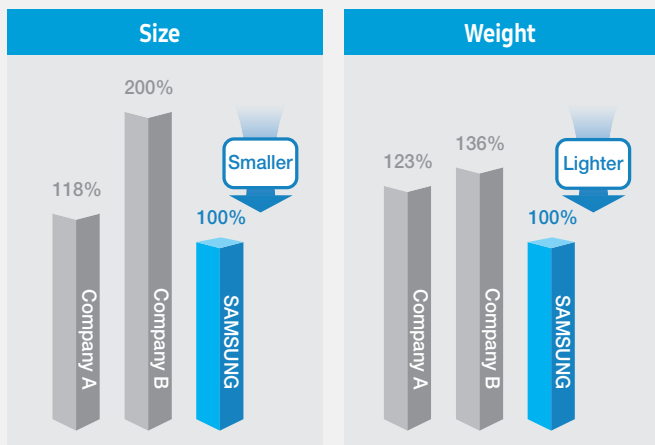
Slim yet functional design

Distribute refreshing airflow where needed with a compact, flexible design

Samsung's Ceiling Type indoor unit has 2-way installation options for the ceiling and floor, enabling more efficient use of available space. Users can enjoy crisp and powerful air throughout their space from the compact unit in the ceiling or floor.

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.



7.1kW Model

Choice of installation options

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



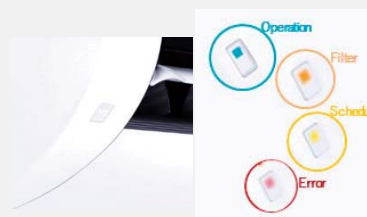
Fast cooling, 15m air flow

When users need air conditioning, they need it quickly. While the Ceiling uses latest flow-efficient blowers to increase amount of air it discharges, it also mounts a single BLDC motor to reduce noises and possibilities of abrupt changes of modes. With increased size of inlet area and fluid dynamically designed inner passages, customers can experience incomparable cooling power.

Also, with the advanced blade, which can move from 4° to 45°, Samsung ceiling type can refreshingly cool air that reaches every corner of the room with no blind spots.

Simple display

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



- Ice Blue : Operating
- Yellow Green : Schedule
- Red : Error
- Orange : Filter Alarm
- Time Limit + Operating Pattern

Ceiling Specification



Model Code		AM056FNCDEH/EU	AM071FNCDEH/EU	AM112JNC DKH/EU	AM140JNC DKH/EU
Features	Type	CEILING (50Hz)	CEILING (50Hz)	CEILING (50Hz)	CEILING (50Hz)
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50/60	1,2,220-240,50/60
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	5.60	7.10	11.20	14.00
	Cooling 2) [Btu/h]	19,100	24,200	38,200	47,800
	Heating 2) [kW]	6.30	8.00	12.50	16.00
	Heating 2) [Btu/h]	21,500	27,300	42,700	54,600
Power Input (Nominal)	Cooling 1) [W]	72.00	80.00	92.00	160.00
	Heating 2) [W]	72.00	77.00	80.00	160.00
Fan	Motor (Output) [W]	60 x 1	120 x 1	260 x 1	355 x 1
	Air Flow Rate (High / Mid / Low) [CMM]	14.00/13.00/12.00	18.00/16.50/15.00	29.30/23.90/18.50	36.40/30.80/26.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Drain Pipe (Φ,mm)	ID 18 HOSE	ID 18 HOSE	VP25 (OD 25,ID 20)	VP25 (OD 25,ID 20)
Refrigerant	Control Method	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0/37.0/34.0	44.0/42.0/40.0	45.0/41.0/37.0	46.0/43.0/38.0
	Sound Power (Cooling) [dB(A)]	-	-	61.0	63.0
External Dimension (Indoor Unit)	Net Weight (kg)	21.00	21.00	33.50	42.50
	Net Dimensions (WxHxD) (mm)	1000 x 650 x 200	1000 x 650 x 200	1350 x 675 x 235	1650 x 675 x 235

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Individual Controllers Required (Choices)



Concealed Floor Standing

Design flexibility for unique spaces

Accommodate individual space requirements with adaptable, silent performance

The Samsung Concealed Floor Standing unit offers the utmost in versatility in solving varied cooling and heating needs. This unit effectively adjusts its performance to meet the needs of the space, such as high ceilings and lots of windows, while maintaining the desired temperature.

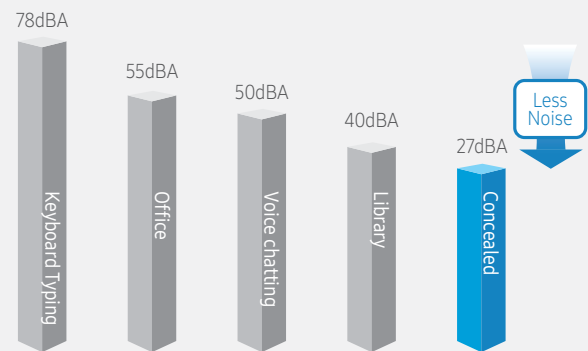
High performance for versatile installations

The Concealed Floor Standing unit offers wide versatility in solving cooling and heating space requirements for a variety of environments, such as offices, schools and hotels. Whether on the floor or mounted, the unit compensates for conditions such as high ceilings and windows while delivering consistent cooling and heating performance. When mounted in a window, the unit blocks the air from getting through the gap in the window and maintains the desired indoor temperature.

Silent operation

This silent yet powerful unit, operating at a mere 27 dB, offers an efficient cooling and heating solution that makes spaces more comfortable and carefree than ever before.

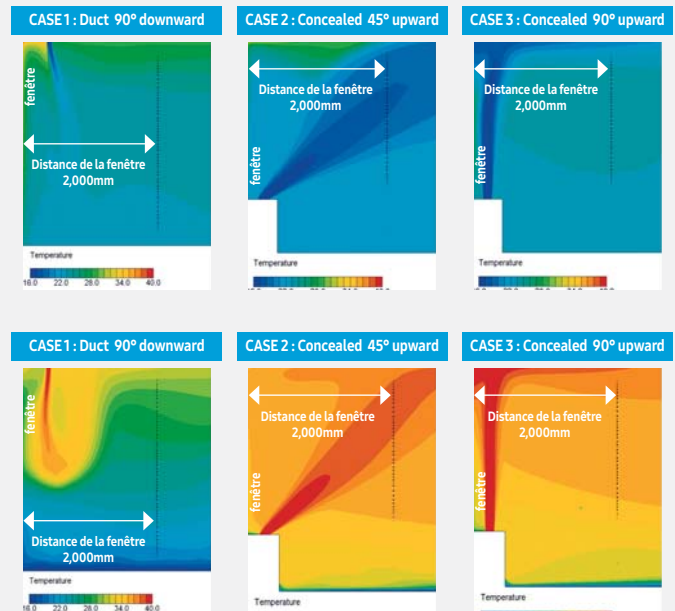
Noise Level Comparison



Block cold draft

More comfortable heating

- This unit can block the cold draft from the window(wall)when you design a building which have lots of windows. So, it will make the people more comfortable in heating



Concealed Floor Standing Specification



Model Code		AM036FNFDEH/EU	AM056FNFDEH/EU	AM071FNFDEH/EU
Features	Type	Concealed floor standing	Concealed floor standing	Concealed floor standing
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 2) [kW]	3.60	5.60	7.10
	Cooling 2) [Btu/h]	12,300	19,100	24,200
	Heating 2) [kW]	4.00	6.30	8.00
	Heating 2) [Btu/h]	13,600	21,500	27,300
Power Input (Nominal)	Cooling 1) [W]	50.00	110.00	110.00
	Heating 2) [W]	50.00	110.00	110.00
Fan	Motor (Output) [W]	-	-	-
	Air Flow Rate (High / Mid / Low) [CMM]	10.00/8.50/6.00	15.50/14.00/11.00	15.50/14.00/11.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")
	Drain Pipe (Φ,mm)	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE
Refrigerant	Control Method	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37.0/32.0/27.0	40.0/36.0/32.0	40.0/36.0/32.0
	Sound Power (Cooling) [dB(A)]	64.0	67.0	67.0
External Dimension (Indoor Unit)	Net Weight (kg)	23.00	28.50	28.50
	Net Dimensions (WxHxD) (mm)	945 x 600 x 220	1225 x 600 x 220	1225 x 600 x 220

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Individual
Controllers
Required
(Choices)



MWR-WE13N MWR-SH10N MWR-SH00N AR-EH03E MRK-A10N

Floor Standing

Strong, long-range cooling, and reliable performance

Super

Ideal for commercial use, the Super air conditioner provides strong and long-range cooling with reliable performance.



Long range air flow

The optimum combination of powerful fan motor and fan ensure a long-range air flow that reaches up to 18m. So, it cools a large room in an instance.



Duct installation for a large space

With duct installation, the air conditioner offers a powerful cooling performance regardless of space characteristics.



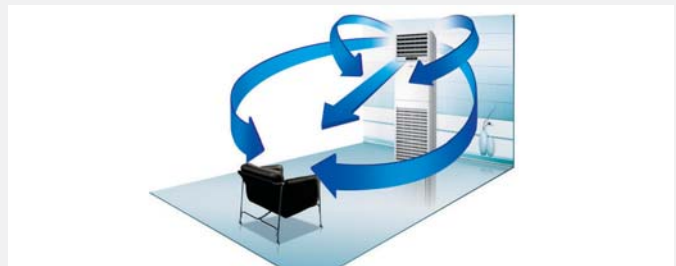
Mirage

The superior technologies built in provide the experience of absolute comfort.



4 Way auto swing

There's no need for two air conditioners to cool one large area if you use Mirage. 4 Way Auto Swing cools every corner of the room with powerful air flow from 4 directions.



Full touch panel control

The touch screen display panel lets you easily control the direction of air flow, adjust temperature, and simply adds modern luxury to your room.



Auto shutter

When your air conditioner is turned on, the flaps open, ready to deliver pure and fresh air. When your air conditioner is turned off, however, the flaps close, impeding dust particles from entering the interior of your air conditioner when not in use.

Floor Standing Specification



Model Code		AM140JNPDKH/TK	AM280JNPDKH/TK
Features	Type	Packaged	Packaged
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50/60	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	14.00	28.00
	Cooling 2) [Btu/h]	47,800	95,500
	Heating 2) [kW]	16.00	31.50
	Heating 2) [Btu/h]	54,600	107,500
Power Input (Nominal)	Cooling 1) [W]	190.00	955.00
	Heating 2) [W]	190.00	955.00
Fan	Motor (Output) [W]	154 x1	700 x1
	Air Flow Rate (High / Mid / Low) [CMM]	35.00/30.50/27.50	70.00/60.00/50.00
Piping Connections	Liquid Pipe (Φ,mm, inch)	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ,mm, inch)	15.88 (5/8")	22.22 (7/8")
	Drain Pipe (Φ,mm)	ID 18 HOSE	ID 18 HOSE
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	54.0/-/47.0	58.0/-/54.0
	Sound Power (Cooling) [dB(A)]	-	-
External Dimension (Indoor Unit)	Net Weight (kg)	48.00	115.00
	Net Dimensions (WxHxD) (mm)	610 x1850 x 400	1100 x 1800 x 485

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Wireless
Remote
Controller
Required
(Choices)



MWR-WE13N MWR-SH10N MWR-SH00N

Hydro Unit

All in one system

Streamline operation with all-in-one cooling and heating

Samsung's All In One System air conditioner is the ultimate heating and cooling solution. It operates in air-to-water mode and air-to-air mode, saving installation time and money with a single unit.

Integrated cooling and heating

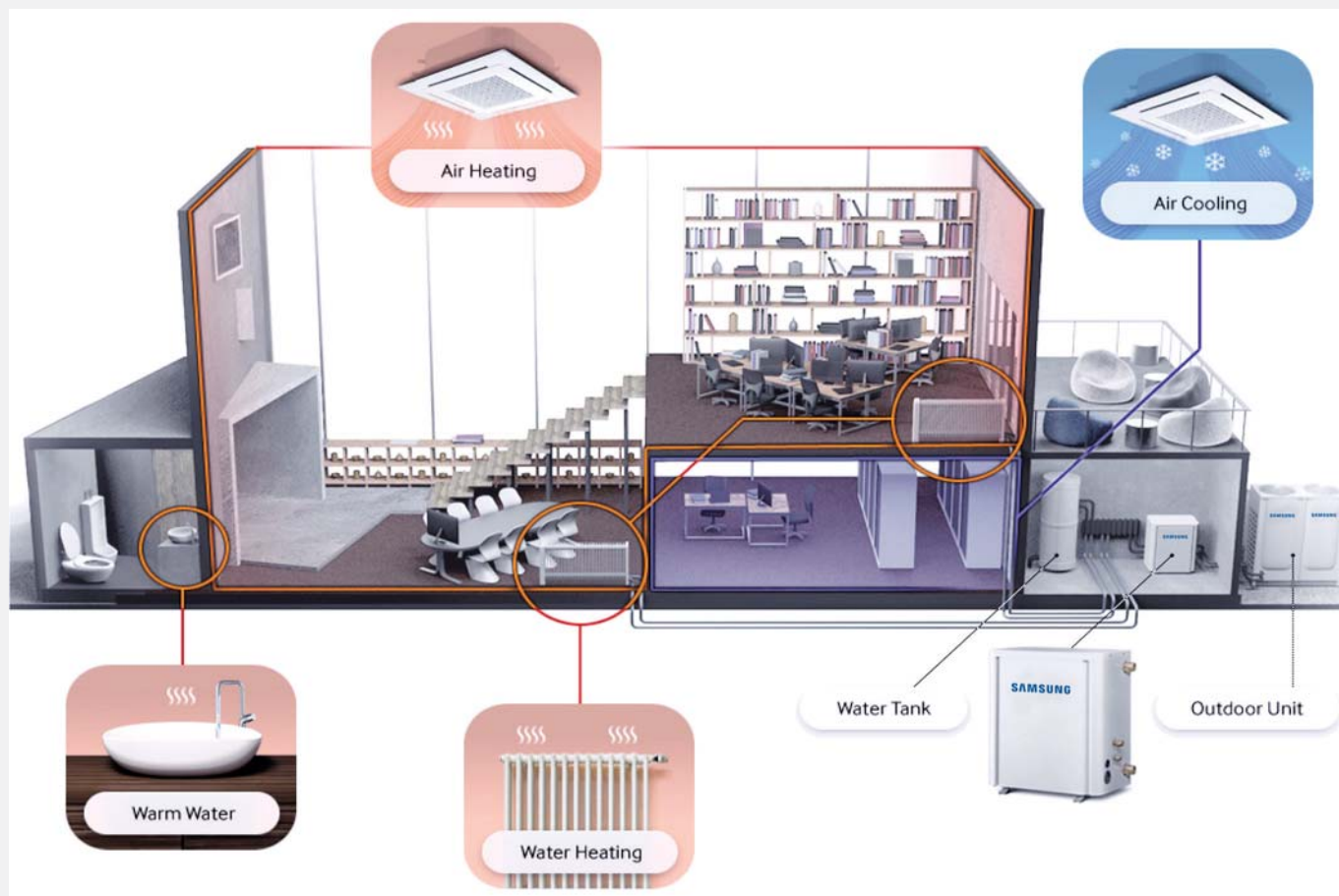
All In One's integrated design supports both air and water heating with just a single system. This eliminates the need to install a separate boiler and air conditioner, ultimately saving users space, energy and money.

A choice of hot options

The Samsung DVM S Hydro system is available in two different types to suit users' hot water needs. The DVM S Hydro HE provides water at a mid temperature of 50°C, while the DVM S Hydro HT's advanced Cascade Cycle technology generates much hotter water at 80°C. So, whatever the demands, Samsung offers the perfect solution to satisfy the requirements of various sites.

Simplified control

Equipped with related input and output terminals, the Samsung All In One unit eliminates the need for additional connections with BACnet and LonWorks interface kits.



Hydro Unit Specification



Model Code		AM160FNBDEH/EU	AM320FNBDEH/EU	AM500FNBDEH/EU
Features	Type	Hydro Unit	Hydro Unit	Hydro Unit
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 *1) [kW]	14.0	28.0	44.8
	Cooling *1) [Btu/h]	47,800	95,600	152,900
	Heating *2) [kW]	16.0	31.5	50.4
	Heating *2) [Btu/h]	54,600	107,500	172,000
Power Input (Nominal)	Cooling *1) [W]	10.00	10.00	10.00
	Heating *2) [W]	10.00	10.00	10.00
Current Input (Nominal)	Cooling *1)	0.05	0.05	0.05
	Heating *2)	0.05	0.05	0.05
Power	MCA (Including External Contact)	2.2	2.2	2.2
	MFA [A]	2.75	2.75	2.75
Energy Efficiency	Energy Grade of Space Heater (55°C/35°C)	NA / A++	NA / A+	NA / A+
	Energy Grade of Package of Space Heater	A++	A+	A+
Heat Exchanger	Type	PHE	PHE	PHE
	Pipe Size [Φ, inch]	PT1 (25A)	PT1 (25A)	PT1-1/4 (32A)
	Water Flow Rate [LPM]	48	92	150
	Flow Switch [LPM]	20	30	50
Piping Connections	Liquid Pipe (Φ, mm)	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")
	Gas Pipe (Φ, mm)	15.88 (5/8")	22.2 (7/8")	28.58 (1 1/8")
Refrigerant	Type	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV
Sound	Sound Pressure *3) (High / Mid / Low) [dB(A)]	27	28	31
	Sound Power [dB(A)]	-	-	-
External Dimension (Indoor Unit)	Net Weight (kg)	29.00	33.00	40.00
	Net Dimensions (WxHxD) (mm)	518 x 627 x 330	518 x 627 x 330	518 x 627 x 330
Operating Temp. Range	Ambient Cooling [°C]	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Ambient Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24
	Ambient Hot water(Main cooling, HR) [°C]	-20 ~ 24(30)	-20 ~ 24(30)	-20 ~ 24(30)
	Leaving Water Cooling [°C]	5~30	5~30	5~30
	Leaving Water Heating [°C]	20~50	20~50	20~50

Model Code		AM160FNBFB/EU	AM160FNBFBG/EU	AM250FNBFB/EU	AM250FNBFBG/EU
Features	Type	Hydro Unit	Hydro Unit	Hydro Unit	Hydro Unit
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 *1) [kW]	-	-	-	-
	Cooling *1) [Btu/h]	-	-	-	-
	Heating *2) [kW]	16.0	16.0	25.0	25.0
	Heating *2) [Btu/h]	54,600	54,600	85,300	85,300
Power Input (Nominal)	Cooling *1) [W]	-	-	-	-
	Heating *2) [W]	3,100	3,100	5,000	5,000
Current Input (Nominal)	Cooling *1)	-	-	-	-
	Heating *2)	14.3	4.85	23.1	7.85
Power	MCA (Including External Contact)	24.15	12.88	32.15	12.88
	MFA [A]	30.19	16.1	40.19	16.1
Energy Efficiency	Energy Grade of Space Heater (55°C/35°C)	A+ / A+	A+ / A+	A+ / A+	A+ / A+
	Energy Grade of Package of Space Heater	A+	A+	A+	A+
Compressor	Type	Rotary	Rotary	Rotary	Rotary
	Output [kW × n]	-	-	-	-
	Model Name	UX5T250FNBEX	UX5T250FNBEX	UX5T250FNBEX	UX5T250FNBEX
	Oil Type	POE	POE	POE	POE
Heat Exchanger	Oil Initial Charge [cc]	1,700	1,700	1,700	1,700
	Type	PHE	PHE	PHE	PHE
	Pipe Size [Φ, inch]	PT1 (25A)	PT1 (25A)	PT1 (25A)	PT1 (25A)
	Water Flow Rate [LPM]	23	23	36	36
Piping Connections	Liquid Pipe (Φ, mm)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Φ, mm)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
Refrigerant	Type	R410A	R410A	R410A	R410A
	Control Method	EEV	EEV	EEV	EEV
Sound	Sound Pressure *3) (High / Mid / Low) [dB(A)]	42	42	42	42
	Sound Power [dB(A)]	-	-	-	-
External Dimension (Indoor Unit)	Net Weight (kg)	104.00	104.00	104.00	104.00
	Net Dimensions (WxHxD) (mm)	518 x 1,210 x 330	518 x 1,210 x 330	518 x 1,210 x 330	518 x 1,210 x 330
Operating Temp. Range	Ambient Cooling [°C]	-	-	-	-
	Ambient Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
	Ambient Hot water(Main cooling, HR) [°C]	-20 ~ 35(-5-43)	-20 ~ 35(-5-43)	-20 ~ 35(-5-43)	-20 ~ 35(-5-43)
	Leaving Water Cooling [°C]	-	-	-	-
	Leaving Water Heating [°C]	25~80	25~80	25~80	25~80

* Specifications may be subject to change without prior notice.

*1) Specifications comply with EN14511.

*2) Nominal cooling / heating capacities are based on;

Cooling : Chilled water inlet / outlet temperature : 12 / 7°C, outdoor temperature : 35°C DB, 24°C WB.

Heating : Heating water inlet / outlet temperature : 40 / 45°C, outdoor temperature : 7°C DB, 6°C WB.

*3) ESEER (Pump input is included) is calculated based on EUROVENT condition.

Individual
Controller
Required



MWR-WW00N

ERV Plus/ERV

Enjoy high-efficiency ventilation for a more refreshing atmosphere

Indoor air quality is gaining more and more attention as increasing numbers of 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 and healthy air from outside while minimizing energy loss for maximum efficiency. Its intelligent structure incorporates features specifically designed for flawless ventilation and efficient operation.

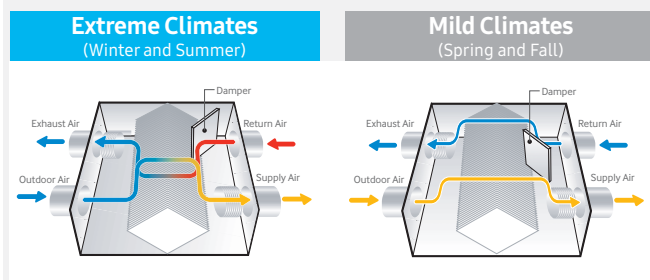
Drive energy savings with unparalleled heat exchange and automated temperature control

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.

Auto Mode

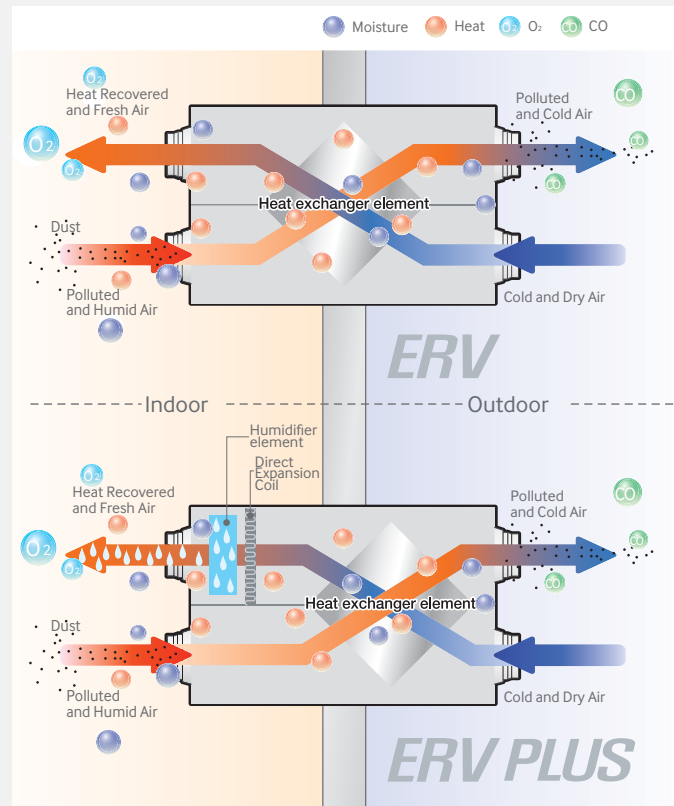
ERV and ERV Plus automatically change operation mode, depending on the temperature difference between the indoor and outdoor environment, to conserve energy.



Smart CO₂ Detection

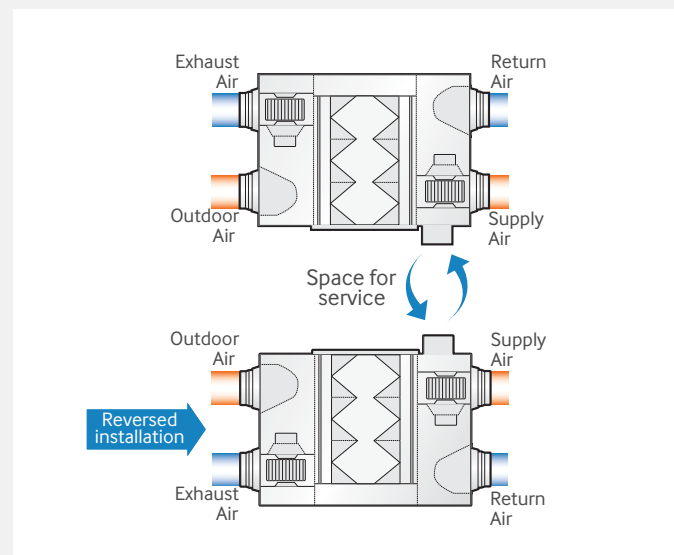
ERV provides fresh in-room airflow by detecting CO₂ with the optional CO₂ Sensor. Users can also attach a humidity stat (procured locally), which detects the moisture of the room and automatically adjusts its humidity level.

Heat Recovery Method of ERV System



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).



ERV Plus/ERV

Specification



Model Code		AM050FNKDEH/EU	AM100FNKDEH/EU
Features	Type	ERV PLUS	ERV PLUS
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	7.10
	Cooling [Btu/h]	12,300	24,200
	Heating [kW]	4.00	8.00
	Heating [Btu/h]	13,600	27,300
Power Input (Nominal)	Cooling [W]	220.00	510.00
	Heating [W]	220.00	510.00
Fan	Motor (Output) [W]	60 x 2	70 x 2
	Air Flow Rate (High / Mid / Low) [CMH]	500/500/360	1000/1000/690
	External Static Pressure (Min / Std / Max) [mmAq]	8.70/10.20/16.32	7.60/9.20/15.30
Piping Connections	Liquid Pipe (Φ, mm)	6.35 (1/4")	6.35 (1/4")
	Gas Pipe (Φ, mm)	12.70 (1/2")	12.70 (1/2")
	Drain Pipe (Φ, mm)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Refrigerant	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36.0/32.0/28.0	36.0/33.0/31.0
	Sound Power (Cooling) [dB(A)]	67.0	67.0
External Dimension (Indoor Unit)	Net Weight (kg)	61.00	90.00
	Net Dimensions (WxHxD) (mm)	1553 x 270 x 1000	1763 x 340 x 1135

Model Code		AN026JSKLN/EU	AN035JSKLN/EU	AN050JSKLN/EU	AN080JSKLN/EU	AN100JSKLN/EU
Features	Type	ERV	ERV	ERV	ERV	ERV
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	1,2,220-240,50/60
Fan	Air Flow Rate (High / Mid / Low) [CMH]	260 / 250 / 180 CMH	350 / 350 / 260 CMH	500 / 500 / 360 CMH	800 / 800 / 560 CMH	1000 / 1000 / 690 CMH
Mode		TEMPERATURE EXCHANGE	TEMPERATURE EXCHANGE	TEMPERATURE EXCHANGE	TEMPERATURE EXCHANGE	TEMPERATURE EXCHANGE
Power Input [W]		115.00	115.00	175.00	330.00	450.00
Current [A]		0.70	0.70	1.10	2.10	2.90
Temperature Exchange	Cooling [%]	70.00	70.00	70.00	70.00	70.00
	Heating [%]	74.00	78.00	74.00	77.00	74.00
Effective Enthalpy Exchange Efficiency	Cooling [%]	70.00	70.00	70.00	70.00	70.00
	Heating [%]	-	-	-	-	-
Net Weight [kg]		28.50	42.50	42.50	67.00	67.00
Gross Weight [kg]		32.50	53.50	53.50	75.50	75.50
Net Dimensions (WxHxD) [mm]		660 x 350 x 600	1012 x 270 x 1000	1012 x 270 x 1000	1220 x 340 x 1135	1220 x 340 x 1135
Gross Dimensions (WxHxD) [mm]		816 x 420 x 769	1308 x 355 x 1192	1308 x 355 x 1192	1480 x 435 x 1330	1480 x 435 x 1330

*Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

Individual
Controllers
Required
(Choices)



MWR-WE13N



MWR-VH12N
(ERV)

Optional
Items
(Choices)



MVO-VA050100
MVO-VA100100
(Humidifier)



MOS-C1
(ERV CO2 Sensor)

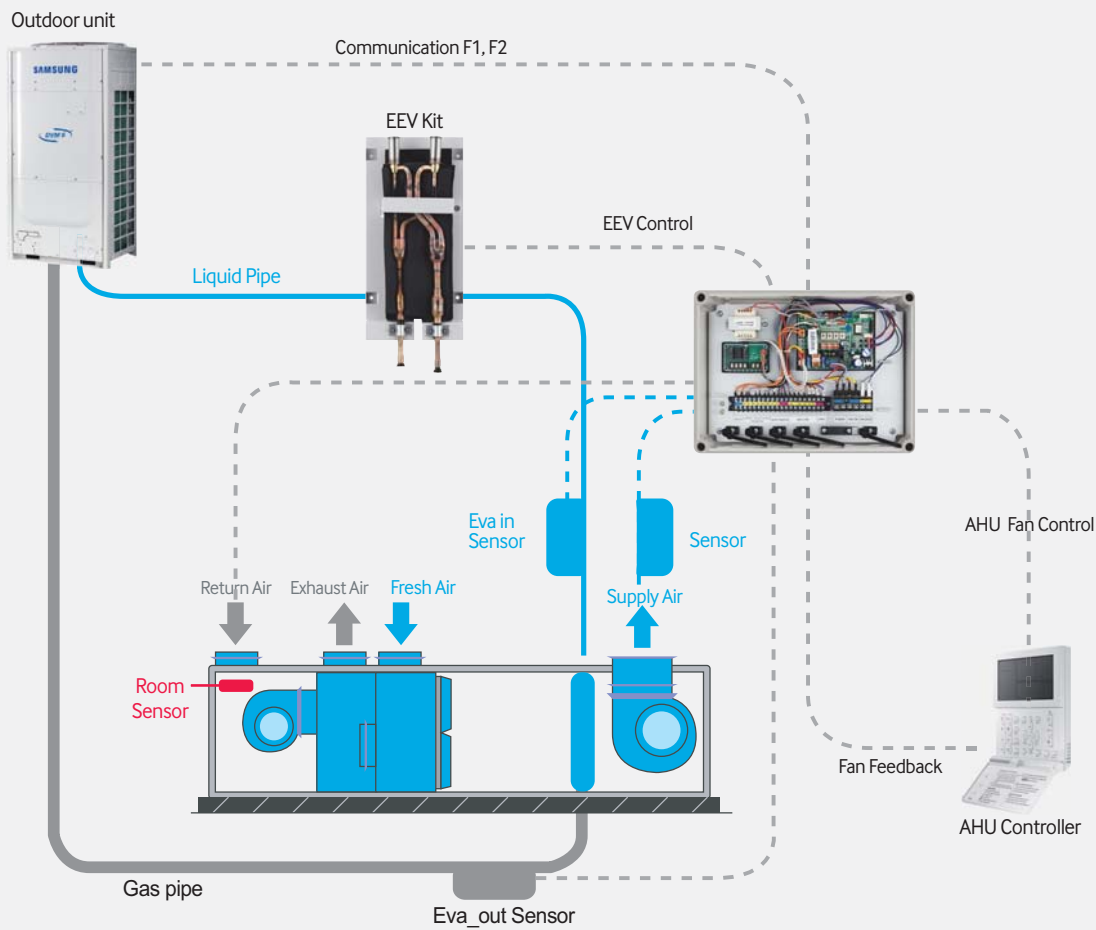
AHU Kit

Optimize performance and energy savings with seamless AHU connectivity

Samsung AHU Kit allows DVM S outdoor units to connect to air handling units (AHUs), which results in energy savings and improved performance and efficiency.

Features includes:

- IP54 waterproof certification
- Variable capacity
- 2.5HP - 40HP
- Simple BMS application
- 0-10V
- Discharge air temperature control



Model Code	MXD-K025AN	MXD-K050AN	MXD-K075AN	MXD-K100AN	MXD-A64K100E	MCM-D201N	
Components	EEV Kit + Controller	EEV Kit + Controller	EEV Kit + Controller	EEV Kit + Controller	EEV Kit	Multi EEV Connect Controller	
Power Supply [Φ, #, V, Hz]	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	1, 2, 220~240, 50	-	1, 2, 220~240, 50	
Rating	HP	2.5	5	7.5	10	10	40 (10 * 4 EA)
Allowance Capacity	Min. [kW]	7	14	21	28	28	28
	Max. [kW]	8.75	17.5	26.25	35	35	140 (35.0 * 4EA)
Air Volume	Min. [CMH]	1,200	2,150	3,100	4,000	4,000	4,000
	Max. [CMH]	1,500	2,688	3,875	5,000	5,000	20,000

DVM Chiller

Simply expand capacity on demand

A modular design provides a wide choice of configurations. You can simply and flexibly combine modules and expand capacity from 12 to 320 ton in various ways to optimize energy and space savings, or a balance of both.



Advanced performance & energy efficiency

The DVM Chiller's advanced technology delivers a consistently higher performance and reduces wasted energy. It has a highly efficient BLDC inverter compressor with flash injection technology and Evaporative Condenser.



Easily increase performance & save space

Its compatibility, large capacity and high space efficiency make it perfect for replacing chillers as it cuts down maintenance costs and frees up valuable space, while expanding overall capacity.

Easy to move and install modular design

Its modular design and compact size reduce the time, cost and effort to transport, move and install it on site. With a small footprint it's easy to fit and combine multiple units even when there's limited space.



Works silently at night

A Night Silent Mode means it operates at 3 different levels and works silently at night. It adjusts the speed of the compressors and fans, so they supply the required cooling, but provide a better sound performance.

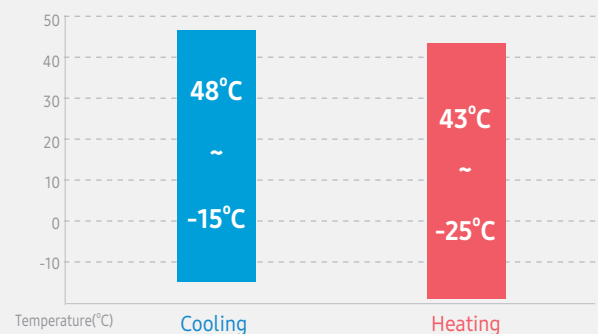
Powerful heating performance

DVM chiller can operate over 45°C hot water supply heating performance at -20°C with flash injection technology.



Wide Temperature Range of Operation

Cooling -15°C ~ 48°C
Heating -25°C ~ 43°C



DVM Chiller

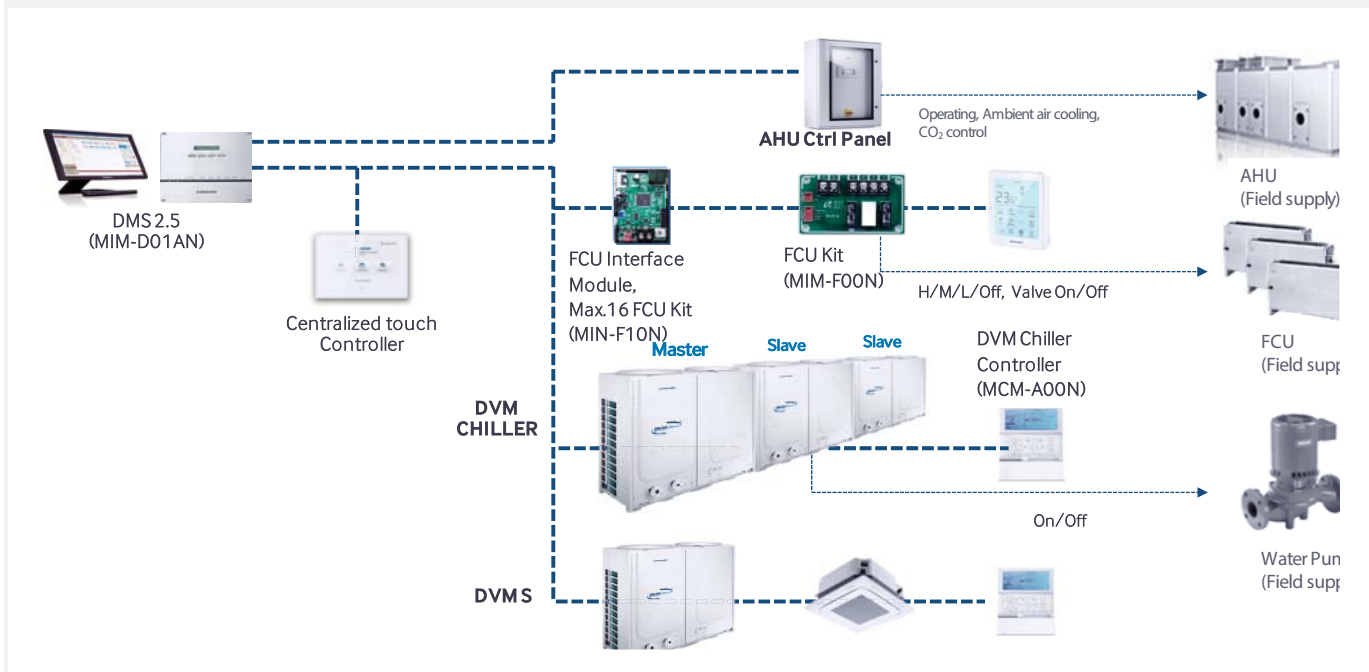
Energy saving operation(ESEER)

Various modes for different types of operational requirements



Centrally control all systems

To maximize operational convenience and the value of your existing units, an integrated control system lets you centrally manage both outdoor and indoor units, such as the DVM chiller, VRF, and Air Side equipment.



DVM Chiller

Specification



Model Code		AG042KSVANH/EU	AG056KSVANH/EU	AG070KSVANH/EU	AG042KSVGNH/EU	AG056KSVGNH/EU	AG070KSVGNH/EU
Features	Type	DVM Chiller	DVM Chiller	DVM Chiller	DVM Chiller	DVM Chiller	DVM Chiller
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		3,4,380,50~60	3,4,380,50~60	3,4,380,50~60	3,4,380,50~60	3,4,380,50~60	3,4,380,50~60
System		HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance (Nominal)	HP	15	20	25	15	20	25
	RT [usRT]	12	16	18	12	16	18
Capacity	Cooling [kW]	42.0	56.0	65.0	42.0	56.0	65.0
	Heating [kW]	42.0	56.0	69.5	42.0	56.0	69.5
Power Input (Nominal)	Cooling 1) [kW]	10.77	16.47	21.67	13.59	20.14	28.26
	Heating 2) [kW]	10.37	15.14	21.20	12.77	18.48	25.84
Current Input (Nominal)	Cooling 1) [A]	18.0	27.5	36.50	24.2	34.20	45.8
	Heating 2)[A]	17.3	25.3	35.40	23.4	32.40	43.3
COP	Nominal Cooling [W/W]	3.90	3.40	3.00	3.09	2.78	2.30
	Nominal Heating [W/W]	4.05	3.70	3.30	3.29	3.03	2.69
Energy Efficiency	ESEER [W/W]	5.7	5.4	5.0	4.75	4.50	4.10
Compressor	Type	Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter
	Output [kW x n]	6.76x2	6.76x2	6.76x2	6.76x2	6.76x2	6.76x2
	Oil (Type)	PVE	PVE	PVE	PVE	PVE	PVE
Fan	Type	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Output x n [W]	630 x 2	630 x 2	630 x 2	630 x 2	630 x 2	630 x 2
	Air Flow Rate [CMM]	364 (182 x 2)	364 (182 x 2)	392 (196 x 2)	364 (182 x 2)	364 (182 x 2)	392 (196 x 2)
	External Static Pressure (Max) [mmAq]	78.5	78.5	78.5	8.0	8.0	8.0
Water Side Heat Exchanger	Type	Brazing Plate	Brazing Plate	Brazing Plate	Brazing Plate	Brazing Plate	Brazing Plate
	Water Flow (Cooling/Heating) [LPM]	120	160	186/200	120	160	186/200
	Pressure Drop [kPa]	60	100	120	60	100	120
	Max Operationg Pressure [MPa]	1.0	1.0	1.0	1.0	1.0	1.0
	Connection Type	FLANGE	FLANGE	FLANGE	FLANGE	FLANGE	FLANGE
	Pipe(Inlet/Outlet) [A]	40	40	50	40	40	50
Q'Ty [EA]	2	2	2	2	2	2	
Pump	Type	-	-	-	End-Suction	End-Suction	End-Suction
	Input x n [kW]	-	-	-	1.68	1.68	1.68
	Output x n [kW]	-	-	-	1.45	1.45	1.45
	Normal Water Flow Rate [LPM]	-	-	-	120	160	186/200
	External Static Pressure(Set) Max. [mEq]	-	-	-	22.4	15.3	10.2
External Static Pressure(Set) Max. [kPa]	-	-	-	220	150	100	
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging [kg]	18	18	18	18	18	18
Sound	Sound Pressure [dB(A)]	60	62	63	62	64	65
	Sound Power [dB(A)]	69	72	75	80	84	88
External Dimension (Outdoor Unit)	Net Weight [kg]	446	446	465	472	472	493
	Shipping Weight [kg]	468	468	487	494	494	515
	Net Dimensions (WxHxD) [mm]	1,795x1,695x765	1,795x1,695x765	1,795x1,695x765	1,795x1,695x765	1,795x1,695x765	1,795x1,695x765
Shipping Dimensions (WxHxD) [mm]		1,900x1,887x919	1,900x1,887x919	1,900x1,887x919	1,900x1,887x919	1,900x1,887x919	1,900x1,887x919
Operating Temp. Range	Cooling [°C]	5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25
	Cooling (If using brine) [°C]	-10~25	-10~25	-10~25	-10~25	-10~25	-10~25
	Heating [°C]	25 ~ 55	25 ~ 55	25 ~ 55	25 ~ 55	25 ~ 55	25 ~ 55
Operating Amb. Temp. Range	Cooling [°C]	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48	-15 ~ 48
	Heating [°C]	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43

* Specifications may be subject to change without prior notice.

*1) Specifications comply with EN14511.

*2) Nominal cooling / heating capacities are based on;

Cooling : Chilled water inlet / outlet temperature : 12 / 7°C, outdoor temperature : 35°C DB, 24°C WB.
 Heating : Heating water inlet / outlet temperature : 40 / 45°C, outdoor temperature : 7°C DB, 6°C WB.

*3) ESEER (Pump input is included) is calculated based on EUROVENT condition.

Integrated management system



DMS 2.5 (MIM-D01AN)



BACnet gateway (MIM-B17BN)



LonWorks gateway (MIM-B18BN)

Controller



Centralized controller (MCM-A300N)



Module controller (MCM-A00N)

FCU controller



FCU interface module (MIM-F10N)



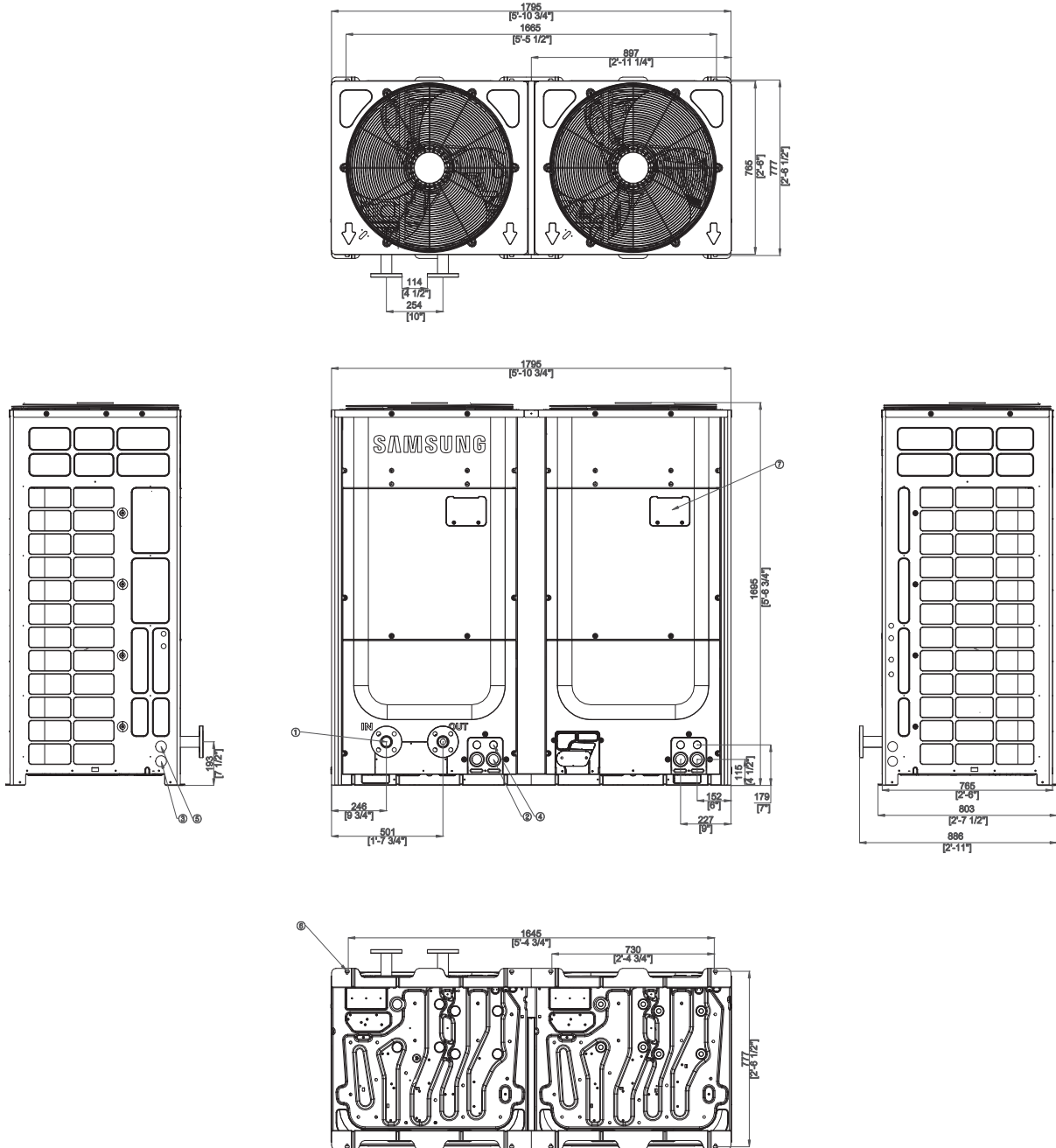
FCU Kit (MIM-F00N)

DVM Chiller

Dimensional Drawing



Units: mm, inch



No.	Name
1	Water Connections
2	Power wiring conduit (front)
3	Power wiring conduit (side)
4	Communication wiring conduit (front)
5	Communication wiring conduit (side)
6	Anchor Bolt Hole
3	Monitoring Window

FCU CASSETTE

Specification



Type	1Way Cassette			1Way Cassette	1Way Cassette
Model	AG026MN1DEH/EU			AG032MN1DEH/EU	AG042MN1DEH/EU
Power Supply	[φ, #, V, Hz]			1,220~240,50	1,220~240,50
Mode	-			HEAT PUMP	HEAT PUMP
Performance	Cooling Capacity	Cooling (Eurovent Condition)	T1 (kW)	2.60	3.00
	Heating Capacity	Heating (Eurovent Condition)	T1 (kW)	2.90	3.35
Power	Power Input (Nominal)	Cooling	T1 (W)	47.0	50.0
		Heating	T1 (W)	47.0	50.0
	Current Input (Nominal)	Cooling	T1 (A)	0.24	0.26
		Heating	T1 (A)	0.24	0.26
Fan	Motor	Output x n	W	12.0	12.0
	Air Flow Rate	H/M/L (UL)	CMM	6.8/5.8/4.9	7.8/6.8/4.9
Water	Water Flow Rate (Cooling)	H/M/L (UL)	LPM	7.5	9.6
	Water Flow Rate (Heating)	H/M/L (UL)	LPM	8.4	9.7
	Loss of Head (Cooling)	H/M/L (UL)	kPa	23	34.5
	Loss of Head (Heating)	H/M/L (UL)	kPa	28	35.8
Piping Connections	Liquid Pipe (IN)		φ,mm	20A	20A
	Liquid Pipe (OUT)		φ,mm	20A	20A
	Drain Pipe		φ,mm	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)
Sound	Sound Pressure	High / Mid / Low		32/30/28	37/33/28
	Sound Power	Cooling	dB(A)	49	52
Dimensions	Net Weight		kg	10.5	10.5
	Net Dimensions (W×H×D)		mm	970*135*410	970*135*410

*Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

Individual Controllers Required (Choices)



Panel Required (Choices)



Type	4Way Cassette			
Model	AG060MN4DKH/EU	AG072MN4DKH/EU	AG090MN4DKH/EU	AG105MN4DKH/EU
Power Supply	[φ, #, V, Hz]			
Mode	-			
Performance	Cooling Capacity	Cooling (Eurovent Condition)	T1 (kW)	6.00
	Heating Capacity	Heating (Eurovent Condition)	T1 (kW)	7.30
Power	Power Input (Nominal)	Cooling	T1 (W)	50.0
		Heating	T1 (W)	50.0
	Current Input (Nominal)	Cooling	T1 (A)	0.37
		Heating	T1 (A)	0.37
Fan	Motor	Output x n	W	65.0
	Air Flow Rate	H/M/L (UL)	CMM	18.9/16.5/13.6
Water	Water Flow Rate (Cooling)	H/M/L (UL)	LPM	17.5
	Water Flow Rate (Heating)	H/M/L (UL)	LPM	21.1
	Loss of Head (Cooling)	H/M/L (UL)	kPa	27
	Loss of Head (Heating)	H/M/L (UL)	kPa	37.3
Piping Connections	Liquid Pipe (IN)		φ,mm	20A
	Liquid Pipe (OUT)		φ,mm	20A
	Drain Pipe		φ,mm	VP25 (OD 32, ID 25)
Sound	Sound Pressure	High / Mid / Low		37/33/30
	Sound Power	Cooling	dB(A)	56
Dimensions	Net Weight		kg	15.5
	Net Dimensions (W×H×D)		mm	840*204*840

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Individual Controllers Required (Choices)



Panel Required (Choices)



FCU CASSETTE

Specification



Type				360 Cassette	360 Cassette	360 Cassette	360 Cassette
Model				AG060MN4PKH/EU	AG072MN4PKH/EU	AG090MN4PKH/EU	AG105MN4PKH/EU
Power Supply		[φ, #, V, Hz]		1,220~240,50 or 60	1,220~240,50 or 60	1,220~240,50 or 60	1,220~240,50 or 60
Mode		-		HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	Cooling Capacity	Cooling (Eurovent Condition)	T1 (kW)	6.00	7.20	9.00	10.00
	Heating Capacity	Heating (Eurovent Condition)	T1 (kW)	7.30	8.50	10.00	10.70
Power	Power Input (Nominal)	Cooling	T1 (W)	58	58	77	100
		Heating	T1 (W)	58	58	77	100
	Current Input (Nominal)	Cooling	T1 (A)	0.5	0.50	0.62	0.79
		Heating	T1 (A)	0.5	0.50	0.62	0.79
Fan	Motor	Output x n	W	65.0	97.0	97.0	97.0
	Air Flow Rate	H/M/L (UL)	CMM	21/17.5/15	25.5/22/19.8	29.5/24/19.8	31.5/22.5/19.8
Water	Water Flow Rate (Cooling)	H/M/L (UL)	LPM	17.5	20.8	26.0	28.9
	Water Flow Rate (Heating)	H/M/L (UL)	LPM	21.1	24.5	28.9	30.9
	Loss of Head (Cooling)	H/M/L (UL)	kPa	27	26	38.5	47.4
	Loss of Head (Heating)	H/M/L (UL)	kPa	37.6	35.6	47.4	53.2
Piping Connections	Liquid Pipe (IN)		Φ,mm	20A	20A	20A	20A
	Liquid Pipe (OUT)		Φ,mm	20A	20A	20A	20A
	Drain Pipe		Φ,mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure	High / Mid / Low		40/37/32	39/35/33	43/38/33	45/39/33
	Sound Power	Cooling	dB(A)	57	58	60	62
Dimensions	Net Weight		kg	21.0	25.0	25.0	25.0
	Net Dimensions (W×H×D)		mm	947*281*947	947*365*947	947*365*947	947*365*947

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Individual
Controllers
Required
(Choices)



Panel
Required
(Choices)



CAC

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 minimize 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 percent with a digital inverter system featuring an economical mode.
- **Superior performance.** Weather severe temperatures dependably and maximize comfort with wide temperature allowance.

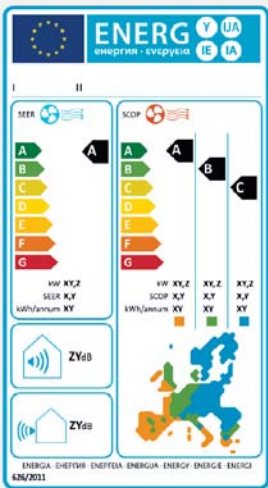


CAC

World-class energy efficiency

Maintain optimal comfort and control with energy- and cost-efficient technologies

Featuring a suite of energy-optimizing 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

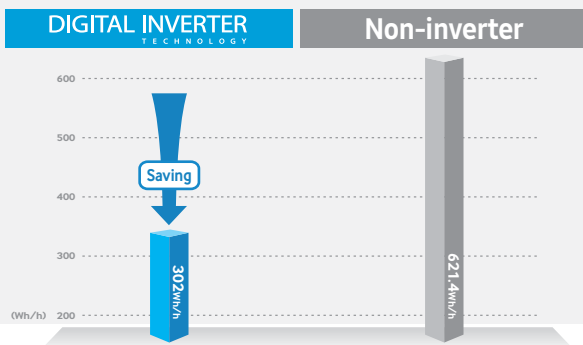
*Table 1: Introduction of revised energy consumption labelling for air conditioners as per EU Directive 2011/626/EU

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. Inefficient units will be gradually withdrawn from the market starting in 2013. 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 percent 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 percent in energy consumption compared to non-inverter air conditioners.

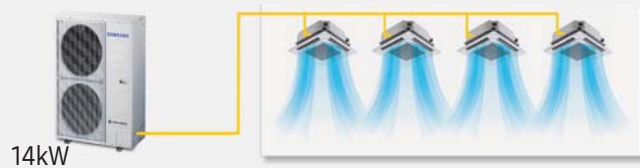


Multi-unit operation

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 & Mini4 Way CST is available.



CAC has improved Heat transfer efficiency with DuraFin™

DuraFin™ is an improved Aluminum Heat Exchanger which provides better anti-corrosion performance as well as higher heat transfer efficiency than conventional Copper condenser. It is a High performance micro channel Heat Exchanger Coated with mixture of Chromium and Zirconium providing increased corrosion resistance. DuraFin™ Passed the SWAAT (Sea Water Acetic Acid Test) and the result showed that it is has 4.5 time better corrosion resistance compared to our existing PFC

	Al condenser	PFC (Parallel Flow Condenser)	Durafin
Tube			
Material	Al A1100, T250µm Al1100 GRAIN Coarse Grain		Al A3102, T340µm A3102 GRAIN Dense Grain
Coating	Resin Spray coating Acrylic resin		Cr/Zr (Cr 5mg/m ² ↑) Inhibitor (Cr2+) Inhibitor (Zr)
SWAAT		600 Hr	2,880 hr



SWAAT Certificate

CAC

Product overview

Cassette

R410A, Heat Pump




Model	 360 Cassette	 4 Way Cassette	 Wind-Free™ 4 Way	 4 Way Cassette (600x600)	 Wind-Free™ 4 Way (600x600)	 1 Way Cassette
Capacity (kW)	2.6					
	3.5					
	5.2		•	•	•	•
	6.0					
	7.1	•	•	•	•	
	9.0	•	•	•		
	10.0	•(1ph), •(3ph)	•(1ph), •(3ph)	•(1ph), •(3ph)		
	12.0	•(1ph), •(3ph)	•(INV 1ph), •(INV 3ph), •(NON INV 3ph)	•(INV 1ph)*, •(INV 3ph)		
	14.0	•(1ph), •(3ph)	•(INV 1ph), •(INV 3ph), •(NON INV 3ph)	•(INV 1ph)*, •(INV 3ph)		

**/AF* models are only available in 3ph model.

In case of R22 4 Way Cassette, please refer to the specification sheet.

Duct



R410A, Heat Pump

Model	 HSP	 MSP Duct	 LSP Duct
Capacity (kW)	2.6		•
	3.5		•
	5.2		•
	6.0		
	7.1		•
	9.0		•
	10.0		•(1ph), •(3ph)
	12.0		•(INV 1ph), •(INV 3ph), •(NON INV 3ph)
	14.0		•(INV 1ph), •(INV 3ph), •(NON INV 3ph)
	16.0		•(3ph)
	18.0	•(3ph)	
	20.0	•(3ph)	
	25.0	•(3ph)	

In case of R22 MSP duct, please refer to the specification sheet.



Console & Ceiling

R410A, Heat Pump

Model	 Console	 Ceiling
Capacity (kW)	2.6	•
	3.5	•
	5.2	•
	7.1	•
	10.0	•(1ph), •(3ph)
	12.0	•(1ph), •(3ph)
	14.0	•(1ph), •(3ph)
16.0	•(3ph)	

Wall Mounted

R410A, Heat Pump

Model	 Maldive - White	 A3050
Capacity (kW)	2.6	•
	3.5	•
	5.2	•
	7.1	•

* Concerning exact capacity for each model above, please refer to the specification sheet in detail.

360 Cassette

Specification



Model Code	Indoor	AC071MN4PKH/EU	AC090MN4PKH/EU	AC100MN4PKH/EU	AC100MN4PKH/EU
	Outdoor	AC071MXADKH/EU	AC090MXADKH/EU	AC100MXADKH/EU	AC100MXADNH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	2.20/7.10/8.00	3.00/9.00/11.30	3.00/10.00/12.00	3.00/10.00/12.00
	Cooling (Min / Std / Max) [Btu/h]	7,500 / 24,200 / 27,300	10,200 / 30,700 / 38,600	10,200 / 34,100 / 40,900	10,200 / 34,100 / 40,900
	Heating (Min / Std / Max) [kW]	1.90/8.00/9.00	2.20/10.00/13.90	2.20/11.20/15.50	2.20/11.20/15.50
	Heating (Min / Std / Max) [Btu/h]	6,500 / 27,300 / 30,700	7,500 / 34,100 / 47,400	7,500 / 38,200 / 52,900	7,500 / 38,200 / 52,900
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.35/2.49/3.95	0.60/2.82/4.46	0.60/3.40/4.70	0.60/3.40/4.70
	Heating (Min / Std / Max) [kW]	0.35/2.40/3.95	0.46/2.65/5.20	0.46/3.15/5.40	0.46/3.15/5.40
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.85	3.19	2.94	2.94
	COP (Nominal Heating) [W/W]	3.33	3.77	3.56	3.56
Piping Connections	Installation Max. Length [m]	50	50	50	50
	Installation Max. Height [m]	30	30	30	30
Refrigerant	Type	R410A	R410A	R410A	R410A
Power Supply [Indoor Unit] [Φ, #, V, Hz]		1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	17.5/15.9/14.3	30.1/24.4/19.8	31.2/25.5/19.8	31.2/25.5/19.8
	Sound Pressure (High / Mid / Low) [dB(A)]	36/33/29	43/38/33	44/39/33	44/39/33
Sound	Sound Power (Cooling) [dB(A)]	53	60	61	61
	Net Weight (kg)	20.2	23.5	23.5	23.5
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Panel model	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
Panel Size	Panel Net Weight [kg]	3.5	3.5	3.5	3.5
	Shipping Weight [kg]	6.3	6.3	6.3	6.3
	Net Dimensions (WxHxD) [mm]	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000
	Shipping Dimensions (WxHxD) [mm]	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083
	Power Supply [Outdoor Unit] [Φ, #, V, Hz]	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	3Φ, 4, 380-415V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	51	78	78	78
	Sound Pressure (Cooling/Heating) [dB(A)]	49/51	52/53	52/54	52/54
Sound	Sound Power (Cooling) [dB(A)]	65	68	69	69
	Net Weight (kg)	53.0	72.0	72.0	72.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330
	Cooling [°C]	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
Operating Temp. Range	Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

Model Code	Indoor	AC120MN4PKH/EU	AC120MN4PKH/EU	AC140MN4PKH/EU	AC140MN4PKH/EU
	Outdoor	AC120MXADKH/EU	AC120MXADNH/EU	AC140MXADKH/EU	AC140MXADNH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	3.50/12.00/13.50	3.50/12.00/13.50	3.50/13.40/15.50	3.50/13.40/15.50
	Cooling (Min / Std / Max) [Btu/h]	11,900 / 40,900 / 46,100	11,900 / 40,900 / 46,100	11,900 / 45,700 / 52,900	11,900 / 45,700 / 52,900
	Heating (Min / Std / Max) [kW]	3.50/13.00/15.50	3.50/13.00/15.50	3.50/15.50/18.00	3.50/15.50/18.00
	Heating (Min / Std / Max) [Btu/h]	11,900 / 44,400 / 52,900	11,900 / 44,400 / 52,900	11,900 / 52,900 / 61,400	11,900 / 52,900 / 61,400
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.90/4.70/5.30	0.90/4.70/7.90	0.80/4.45/6.44	0.80/4.45/7.90
	Heating (Min / Std / Max) [kW]	0.75/4.00/5.50	0.75/4.00/7.90	0.70/4.54/7.36	0.70/4.54/7.90
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.55	2.55	3.01	3.01
	COP (Nominal Heating) [W/W]	3.25	3.25	3.41	3.41
Piping Connections	Installation Max. Length [m]	50	50	75	75
	Installation Max. Height [m]	30	30	30	30
Refrigerant	Type	R410A	R410A	R410A	R410A
Power Supply [Indoor Unit] [Φ, #, V, Hz]		1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	32.5/25.5/19.8	32.5/25.5/19.8	32.4/27.1/22.8	32.4/27.1/22.8
	Sound Pressure (High / Mid / Low) [dB(A)]	45/40/35	45/40/35	45/41/37	45/41/37
Sound	Sound Power (Cooling) [dB(A)]	61	61	61	61
	Net Weight (kg)	23.5	23.5	25.5	25.5
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Panel model	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
Panel Size	Panel Net Weight [kg]	3.5	3.5	3.5	3.5
	Shipping Weight [kg]	6.3	6.3	6.3	6.3
	Net Dimensions (WxHxD) [mm]	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000
	Shipping Dimensions (WxHxD) [mm]	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083
	Power Supply [Outdoor Unit] [Φ, #, V, Hz]	1Φ, 2, 220-240V, 50Hz	3Φ, 4, 380-415V, 50Hz	1Φ, 2, 220-240V, 50Hz	3Φ, 4, 380-415V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	78	78	111	111
	Sound Pressure (Cooling/Heating) [dB(A)]	54/56	54/56	53/54	53/54
Sound	Sound Power (Cooling) [dB(A)]	70	70	69	69
	Net Weight (kg)	77.0	77.0	87.0	87.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330	940 x 1210 x 330
	Cooling [°C]	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
Operating Temp. Range	Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

*Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

Individual Controllers Required (Choices)



Panel Required (Choices)



360 Cassette

Specification



Model Code	Indoor	AC071KN4DKH/EU	AC090KN4DKH/EU	AC100KN4DKH/EU	AC100KN4DKH/EU
	Outdoor	AC071KX4DKH/EU	AC090KX4DKH/EU	AC100KX4DKH/EU	AC100KX4DNH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	2.20/7.10/8.00	3.00/9.00/11.30	3.00/10.00/12.00	3.00/10.00/12.00
	Cooling (Min / Std / Max) [Btu/h]	7,500/24,200/27,300	10,200/30,700/38,600	10,200/34,100/40,900	10,200/34,100/40,900
	Heating (Min / Std / Max) [kW]	1.90/8.00/9.00	2.20/10.00/13.90	2.20/11.20/15.50	2.20/11.20/15.50
	Heating (Min / Std / Max) [Btu/h]	6,500/27,300/30,700	7,500/34,100/47,400	7,500/38,200/52,900	7,500/38,200/52,900
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.35/2.49/3.95	0.60/2.82/4.46	0.60/3.40/4.70	0.60/3.40/4.70
	Heating (Min / Std / Max) [kW]	0.35/2.40/3.95	0.46/2.65/5.20	0.46/3.15/5.40	0.46/3.15/5.40
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.85	3.19	2.94	2.94
	COP (Nominal Heating) [W/W]	3.33	3.77	3.56	3.56
Piping Connections	Installation Max. Length [m]	50	50	50	50
	Installation Max. Height [m]	30.0	30.0	30.0	30.0
Refrigerant	Type	R410A	R410A	R410A	R410A
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	Air Flow Rate (High / Mid / Low) [CMM]	17.50/15.90/14.30	30.10/24.40/19.80	31.20/25.50/19.80	31.20/25.50/19.80
	Sound Pressure (High / Mid / Low) [dB(A)]	36.0 / 33.0 / 29.0	43.0 / 38.0 / 33.0	44.0 / 39.0 / 33.0	44.0 / 39.0 / 33.0
Sound	Sound Power (Cooling) [dB(A)]	53.0	60.0	61.0	61.0
	Net Weight (kg)	21.00	24.00	24.00	24.00
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Panel model	Square WH : PC4NUDMAN / Square BL : PC4NBDMAN / Circle WH : PC4NUNMAN / Circle BL : PC4NBNMAN			
Panel Size	Panel Net Weight [kg]	Square : 3.60 / Circle : 2.70			
	Shipping Weight [kg]	Square : 6.00 / Circle : 5.10			
	Net Dimensions (WxHxD) [mm]	Square : 1000 x 66 x 1000 / Circle : 1050 x 94 x 1050			
	Shipping Dimensions (WxHxD) [mm]	Square : 1093 x 85 x 1083 / Circle : 1093 x 85 x 1083			
Power Supply [Outdoor Unit] [φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
Fan	Air Flow Rate (Cooling) [CMM]	58.50	78.00	78.00	78.00
	Sound Pressure (Cooling/Heating) [dB(A)]	49.0 / 51.0	52.0 / 53.0	52.0 / 54.0	52.0 / 54.0
Sound	Sound Power (Cooling) [dB(A)]	65.0	68.0	69.0	69.0
	Net Weight (kg)	50.50	72.00	72.00	72.00
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330
	Cooling [°C]	-15-50	-15-50	-15-50	-15-50
Operating Temp. Range	Heating [°C]	-20-24	-20-24	-20-24	-20-24

Model Code	Indoor	AC120KN4DKH/EU	AC120KN4DKH/EU	AC140KN4DKH/EU	AC140KN4DKH/EU
	Outdoor	AC120KX4DKH/EU	AC120KX4DNH/EU	AC140KX4DKH/EU	AC140KX4DNH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	3.50/12.00/13.50	3.50/12.00/13.50	3.50/13.40/15.50	3.50/13.40/15.50
	Cooling (Min / Std / Max) [Btu/h]	11,900/40,900/46,100	11,900/40,900/46,100	11,900/45,700/52,900	11,900/45,700/52,900
	Heating (Min / Std / Max) [kW]	3.50/13.00/15.50	3.50/13.00/15.50	3.50/15.50/18.00	3.50/15.50/18.00
	Heating (Min / Std / Max) [Btu/h]	11,900/44,400/52,900	11,900/44,400/52,900	11,900/52,900/61,400	11,900/52,900/61,400
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.90/4.70/5.30	0.90/4.70/7.90	0.80/4.18/6.44	0.80/4.18/7.90
	Heating (Min / Std / Max) [kW]	0.75/4.00/5.50	0.75/4.00/7.90	0.70/4.30/7.36	0.70/4.30/7.90
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.55	2.55	3.21	3.21
	COP (Nominal Heating) [W/W]	3.25	3.25	3.60	3.60
Piping Connections	Installation Max. Length [m]	50	50	75	75
	Installation Max. Height [m]	30.0	30.0	30.0	30.0
Refrigerant	Type	R410A	R410A	R410A	R410A
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	Air Flow Rate (High / Mid / Low) [CMM]	32.50/25.50/19.80	32.50/25.50/19.80	32.40/27.10/22.80	32.40/27.10/22.80
	Sound Pressure (High / Mid / Low) [dB(A)]	45.0 / 40.0 / 35.0	45.0 / 40.0 / 35.0	45.0 / 41.0 / 37.0	45.0 / 41.0 / 37.0
Sound	Sound Power (Cooling) [dB(A)]	61.0	61.0	61.0	61.0
	Net Weight (kg)	24.00	24.00	25.50	25.50
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Panel model	Square WH : PC4NUDMAN / Square BL : PC4NBDMAN / Circle WH : PC4NUNMAN / Circle BL : PC4NBNMAN			
Panel Size	Panel Net Weight [kg]	Square : 3.60 / Circle : 2.70			
	Shipping Weight [kg]	Square : 6.00 / Circle : 5.10			
	Net Dimensions (WxHxD) [mm]	Square : 1000 x 66 x 1000 / Circle : 1050 x 94 x 1050			
	Shipping Dimensions (WxHxD) [mm]	Square : 1093 x 85 x 1083 / Circle : 1093 x 85 x 1083			
Power Supply [Outdoor Unit] [φ, #, V, Hz]		1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50
Fan	Air Flow Rate (Cooling) [CMM]	78.00	78.00	111.00	111.00
	Sound Pressure (Cooling/Heating) [dB(A)]	54.0 / 56.0	54.0 / 56.0	53.0 / 54.0	53.0 / 54.0
Sound	Sound Power (Cooling) [dB(A)]	70.0	70.0	69.0	69.0
	Net Weight (kg)	80.00	80.00	92.50	92.50
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330	940 x 1210 x 330
	Cooling [°C]	-15-50	-15-50	-15-50	-15-50
Operating Temp. Range	Heating [°C]	-20-24	-20-24	-20-24	-20-24

*Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.



Wind-Free™ 4 Way Specification



Model Code	Indoor Unit Outdoor Unit	AC052NN4DKH/EU AC052MXADKH/EU	AC071NN4DKH/EU AC071MXADKH/EU	AC090NN4DKH/EU AC090MXADKH/EU	AC100NN4DKH/EU AC100MXADKH/EU	AC100NN4DKH/EU AC100MXADNH/EU	
System	Mode	HEAT PUMP					
Capacity	Cooling (Min / Std / Max) [kW]	1.00/5.00/6.00		2.20/7.10/8.00		3.00/9.00/11.30	
	Cooling (Min / Std / Max) [Btu/h]	3,400/17,100/20,500		7,500/24,200/27,300		10,200/30,700/38,600	
	Heating (Min / Std / Max) [kW]	1.00/6.00/7.00		1.90/8.00/9.00		2.20/10.00/13.90	
	Heating (Min / Std / Max) [Btu/h]	3,400/20,500/23,900		6,500/27,300/30,700		7,500/34,100/47,400	
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.33/1.44/2.10		0.35/2.53/3.95		0.60/2.75/4.46	
	Heating (Min / Std / Max) [kW]	0.25/1.49/1.90		0.35/2.40/3.95		0.46/2.70/5.20	
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.47		2.81		3.27	
	COP (Nominal Heating) [W/W]	4.03		3.33		3.70	
Piping Connections	Installation Max. Length [m]	30		50		50	
	Installation Max. Height [m]	20.0		30.0		30.0	
Refrigerant	Type	R410A(Contains fluorinated greenhouse gas, GWP=2,088)					
Power Supply (Indoor Unit) [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz	
Fan	Air Flow Rate (High / Mid / Low) [CMM]	15.00/14.00/13.00		19.50/16.50/14.50		30.00/24.00/18.00	
	Sound Pressure (High / Mid / Low) [dB(A)]	33.0 / 31.0 / 29.0		36.0 / 33.0 / 29.0		43.0 / 38.0 / 33.0	
Sound	Sound Power (cooling) [dB(A)]	49.0		53.0		60.0	
	Net Weight [kg]	15.00		15.00		18.00	
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	840 x 204 x 840		840 x 204 x 840		840 x 288 x 840	
	Panel model	PC4NUFMAN		PC4NUFMAN		PC4NUFMAN	
Panel Size	Panel Net Weight [kg]	6.3		6.3		6.3	
	Shipping Weight [kg]	8.7		8.7		8.7	
	Net Dimensions (WxHxD) [mm]	950 x 64 x 950		950 x 64 x 950		950 x 64 x 950	
	Shipping Dimensions (WxHxD) [mm]	1,010 x 117 x 1,000		1,010 x 117 x 1,000		1,010 x 117 x 1,000	
Power Supply (Outdoor Unit) [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz	
Fan	Air Flow Rate (Cooling) [CMM]	40.00		51.00		78.00	
	Sound Pressure (Cooling / Heating) [dB(A)]	48.0 / 48.0		49.0 / 51.0		52.0 / 53.0	
Sound	Sound Power (Cooling) [dB(A)]	62.0		65.0		68.0	
	Net Weight [kg]	43.80		53.00		72.00	
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	880 x 638 x 310		880 x 798 x 310		940 x 998 x 330	
	Operating Temp. Range	Cooling [°C] Heating [°C]		-15~50 -20~24		-15~50 -20~24	

Model Code	Indoor Unit Outdoor Unit	AC120NN4DKH/EU AC120MXADKH/EU	AC120NN4DKH/EU AC120MXADNH/EU	AC140NN4DKH/EU AC140MXADKH/EU	AC140NN4DKH/EU AC140MXADNH/EU
System	Mode	HEAT PUMP			
Capacity	Cooling (Min / Std / Max) [kW]	3.50/12.00/13.50		3.50/13.40/15.50	
	Cooling (Min / Std / Max) [Btu/h]	11,900/40,900/46,100		11,900/45,700/52,900	
	Heating (Min / Std / Max) [kW]	3.50/13.00/15.50		3.50/15.50/18.00	
	Heating (Min / Std / Max) [Btu/h]	11,900/44,400/52,900		11,900/52,900/61,400	
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.90/4.70/5.30		0.80/4.45/6.44	
	Heating (Min / Std / Max) [kW]	0.75/3.80/5.50		0.70/4.54/7.36	
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.55		3.01	
	COP (Nominal Heating) [W/W]	3.42		3.41	
Piping Connections	Installation Max. Length [m]	50		75	
	Installation Max. Height [m]	30.0		30.0	
Refrigerant	Type	R410A(Contains fluorinated greenhouse gas, GWP=2,088)			
Power Supply (Indoor Unit) [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz	
Fan	Air Flow Rate (High / Mid / Low) [CMM]	32.00/26.00/20.00		32.00/27.00/22.00	
	Sound Pressure (High / Mid / Low) [dB(A)]	45.0 / 40.0 / 35.0		45.0 / 41.0 / 37.0	
Sound	Sound Power (cooling) [dB(A)]	61.0		61.0	
	Net Weight [kg]	18.00		20.00	
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	840 x 288 x 840		840 x 288 x 840	
	Panel model	PC4NUFMAN		PC4NUFMAN	
Panel Size	Panel Net Weight [kg]	6.3		6.3	
	Shipping Weight [kg]	8.7		8.7	
	Net Dimensions (WxHxD) [mm]	950 x 64 x 950		950 x 64 x 950	
	Shipping Dimensions (WxHxD) [mm]	1,010 x 117 x 1,000		1,010 x 117 x 1,000	
Power Supply (Outdoor Unit) [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz	
Fan	Air Flow Rate (Cooling) [CMM]	78.00		111.00	
	Sound Pressure (Cooling / Heating) [dB(A)]	54.0 / 56.0		53.0 / 54.0	
Sound	Sound Power (Cooling) [dB(A)]	70.0		69.0	
	Net Weight [kg]	77.00		87.00	
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	940 x 998 x 330		940 x 1210 x 330	
	Operating Temp. Range	Cooling [°C] Heating [°C]		-15~50 -20~24	

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Individual
Controllers
Required
(Choices)



AR-EH03E



MWR-WE13N

Panel
Required
(Choices)



PC4NUFMAN

Motion
Detect
Sensor
(Optional)



MCR-SMC

Wind-Free™ 4 Way Specification



Model Code	Indoor Unit	AC052NN4DEH/AF	AC071NN4DEH/AF	AC090NN4DEH/AF	AC100NN4DEH/AF
	Outdoor Unit	AC052JX4DEH/AF	AC071JX4DEH/AF	AC090JX4DEH/AF	AC100JX4DEH/AF
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min / Std / Max) [kW]	1.47/4.98/5.28	2.08/7.18/7.77	2.93/8.79/9.96	3.22/10.26/10.84
	Cooling (Min / Std / Max) [Btu/h]	5,000/17,000/18,000	7,100/24,500/26,500	10,000/30,000/34,000	11,000/35,000/37,000
	Heating (Min / Std / Max) [kW]	0.73/4.98/6.45	1.44/7.18/8.0	1.29/9.23/10.26	2.17/10.26/11.58
	Heating (Min / Std / Max) [Btu/h]	2,500/17,000/22,000	4,900/24,500/27,400	4,400/31,500/35,000	7,400/35,000/39,500
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.35/1.60/1.70	0.38/2.60/3.00	0.87/2.80/4.5	0.70/3.60/4.80
	Heating (Min / Std / Max) [kW]	0.26/1.23/2.20	0.27/2.07/2.90	0.60/2.45/4.10	0.45/2.75/4.26
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.11	2.76	3.14	2.85
	COP (Nominal Heating) [W/W]	4.05	3.47	3.77	3.73
Piping Connections	Installation Max. Length [m]	30	30	50	50
	Installation Max. Height [m]	15	15	30	30
Refrigerant	Type	R410A	R410A	R410A	R410A
Power Supply	[Indoor Unit] [Φ, #, V, Hz]	1Φ, 2,220-240V, 50Hz	1Φ, 2,220-240V, 50Hz	1Φ, 2,220-240V, 50Hz	1Φ, 2,220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	18.00/15.00/13.00	21.00/18.00/16.00	29.00/24.00/19.00	33.00/26.00/19.00
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37.0 / 34.0 / 31.0	43.0 / 40.0 / 37.0	42.0 / 38.0 / 33.0	43.0 / 38.0 / 33.0
	Sound Power (cooling) [dB(A)]	-	-	-	-
External Dimension (Indoor Unit)	Net Weight [kg]	15.0	15.0	18.5	18.5
	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840
Panel Size	Panel model	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight [kg]	6.3	6.3	6.3	6.3
	Shipping Weight [kg]	8.7	8.7	8.7	8.7
	Net Dimensions (WxHxD) [mm]	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950
	Shipping Dimensions (WxHxD) [mm]	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000
Power Supply	[Outdoor Unit] [Φ, #, V, Hz]	1Φ, 2,220-240V, 50Hz	1Φ, 2,220-240V, 50Hz	1Φ, 2,220-240V, 50Hz	1Φ, 2,220-240V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	40.00	41.00	60.00	60.00
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	47.0 / 48.0	49.0 / 51.0	54.0 / 56.0	55.0 / 57.0
	Sound Power (cooling) [dB(A)]	55.0	58.0	64.0	64.0
External Dimension (Outdoor Unit)	Net Weight [kg]	36.00	45.00	67.00	67.00
	Net Dimensions (WxHxD) [mm]	790 x 548 x 285	880 x 638 x 310	880 x 967 x 320	880 x 967 x 320
Operating Temp. Range	Cooling [°C]	-5~48	-5~48	-5~48	-5~48
	Heating [°C]	-15~24	-15~24	-15~24	-15~24

Model Code	Indoor Unit	AC100NN4DEH/AF	AC120NN4DEH/AF	AC140NN4DEH/AF
	Outdoor Unit	AC100JX4DGH/AF	AC120JX4DGH/AF	AC140JX4DGH/AF
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min / Std / Max) [kW]	3.22/10.26/10.99	2.93/12.31/12.46	3.19/14.07/14.21
	Cooling (Min / Std / Max) [Btu/h]	11,000/35,000/37,500	10,000/42,000/42,500	10,900/48,000/48,500
	Heating (Min / Std / Max) [kW]	2.17/10.26/11.58	3.52/13.48/16.35	3.52/14.07/18.40
	Heating (Min / Std / Max) [Btu/h]	7,400/35,000/39,500	12,000/46,000/55,800	12,000/48,000/62,800
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.70/3.55/4.80	1.03/4.32/5.89	1.30/5.35/6.30
	Heating (Min / Std / Max) [kW]	0.45/2.75/4.26	0.88/4.35/7.30	1.30/4.54/7.50
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.89	2.85	2.63
	COP (Nominal Heating) [W/W]	3.73	3.10	3.10
Piping Connections	Installation Max. Length [m]	50	50	50
	Installation Max. Height [m]	30	30	30
Refrigerant	Type	R410A(Contains fluorinated greenhouse gas, GWP=2,088)	R410A(Contains fluorinated greenhouse gas, GWP=2,088)	R410A(Contains fluorinated greenhouse gas, GWP=2,088)
Power Supply	[Indoor Unit] [Φ, #, V, Hz]	1Φ, 2,220-240V, 50Hz	1Φ, 2,220-240V, 50Hz	1Φ, 2,220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	33.00/26.00/19.00	31.00/24.00/19.00	32.00/24.00/20.00
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	43.0 / 38.0 / 33.0	44.0 / 40.0 / 36.0	45.0 / 41.0 / 36.0
	Sound Power (cooling) [dB(A)]	50.0	50.0	52.0
External Dimension (Indoor Unit)	Net Weight [kg]	18.5	18.5	18.5
	Net Dimensions (WxHxD) [mm]	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Panel Size	Panel model	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Panel Net Weight [kg]	6.3	6.3	6.3
	Shipping Weight [kg]	8.7	8.7	8.7
	Net Dimensions (WxHxD) [mm]	950 x 64 x 950	950 x 64 x 950	950 x 64 x 950
	Shipping Dimensions (WxHxD) [mm]	1,010 x 117 x 1,000	1,010 x 117 x 1,000	1,010 x 117 x 1,000
Power Supply	[Outdoor Unit] [Φ, #, V, Hz]	3Φ, 4, 380-415V, 50Hz	3Φ, 4, 380-415V, 50Hz	3Φ, 4, 380-415V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	60.00	70.00	70.00
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	55.0 / 57.0	57.0 / 58.0	57.0 / 59.0
	Sound Power (cooling) [dB(A)]	64.00	66.00	66.00
External Dimension (Outdoor Unit)	Net Weight [kg]	69.50	89.00	89.00
	Net Dimensions (WxHxD) [mm]	880 x 967 x 320	932 x 1162 x 375	932 x 1162 x 375
Operating Temp. Range	Cooling [°C]	-5~48	-5~48	-5~48
	Heating [°C]	-15~24	-15~24	-15~24

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Individual
Controllers
Required
(Choices)



AR-EH03E



MWR-WE13N

Panel
Required
(Choices)



PC4NUFMAN

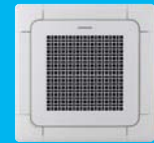
Motion
Detect
Sensor
(Optional)



MCR-SMC

4 Way Cassette

Specification



Model Code	Indoor	AC052MN4DKH/EU	AC071MN4DKH/EU	AC090MN4DKH/EU	AC100MN4DKH/EU
	Outdoor	AC052MXADKH/EU	AC071MXADKH/EU	AC090MXADKH/EU	AC100MXADKH/EU
System	Mode	Heat Pump			
Capacity	Cooling (Min / Std / Max) [kW]	1.00/5.00/6.00	2.20/7.10/8.00	3.00/9.00/11.30	3.00/10.00/12.00
	Cooling (Min / Std / Max) [Btu/h]	3,400 / 17,100 / 20,500	7,500 / 24,200 / 27,300	10,200 / 30,700 / 38,600	10,200 / 34,100 / 40,900
	Heating (Min / Std / Max) [kW]	1.00/6.00/7.00	1.90/8.00/9.00	2.20/10.00/13.90	2.20/11.20/15.50
	Heating (Min / Std / Max) [Btu/h]	3,400 / 20,500 / 23,900	6,500 / 27,300 / 30,700	7,500 / 34,100 / 47,400	7,500 / 38,200 / 52,900
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.33/1.44/2.10	0.35/2.53/3.95	0.60/2.75/4.46	0.60/3.12/4.70
	Heating (Min / Std / Max) [kW]	0.25/1.49/1.90	0.35/2.40/3.95	0.46/2.70/5.20	0.46/3.10/5.40
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.47	2.81	3.27	3.21
	COP (Nominal Heating) [W/W]	4.03	3.33	3.70	3.61
Piping Connections	Installation Max. Length [m]	30	50	50	50
	Installation Max. Height [m]	20	30	30	30
Refrigerant	Type	R410A			
Power Supply [Indoor Unit] [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz			
Fan	Air Flow Rate (High / Mid / Low) [CMM]	15.0/14.0/13.0	19.5/16.5/14.5	30.0/24.0/18.0	31.0/25.0/19.0
	Sound Pressure (High / Mid / Low) [dB(A)]	33/31/29	36/33/29	43/38/33	44/39/33
Sound	Sound Power (Cooling) [dB(A)]	49	53	60	61
	Net Weight (kg)	15.0	15.0	18.0	18.0
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840
	Panel model	PC4NUSKAN			
Panel Size	Panel Net Weight [kg]	5.9	5.9	5.9	5.9
	Shipping Weight [kg]	8.0	8.0	8.0	8.0
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (WxHxD) [mm]	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005
Power Supply [Outdoor Unit] [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz			
Fan	Air Flow Rate (Cooling) [CMM]	40	51	78	78
	Sound Pressure (Cooling/Heating) [dB(A)]	48/48	49/51	52/53	52/54
Sound	Sound Power (Cooling) [dB(A)]	62	65	68	69
	Net Weight (kg)	43.8	53.0	72.0	72.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330
	Cooling [°C]	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
Operating Temp. Range	Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

Model Code	Indoor	AC100MN4DKH/EU	AC120MN4DKH/EU	AC140MN4DKH/EU	AC140MN4DKH/EU
	Outdoor	AC100MXADNH/EU	AC120MXADNH/EU	AC140MXADKH/EU	AC140MXADNH/EU
System	Mode	Heat Pump			
Capacity	Cooling (Min / Std / Max) [kW]	3.00/10.00/12.00	3.50/12.00/13.50	3.50/13.40/15.50	3.50/13.40/15.50
	Cooling (Min / Std / Max) [Btu/h]	10,200 / 34,100 / 40,900	11,900 / 40,900 / 46,100	11,900 / 45,700 / 52,900	11,900 / 45,700 / 52,900
	Heating (Min / Std / Max) [kW]	2.20/11.20/15.50	3.50/13.00/15.50	3.50/15.50/18.00	3.50/15.50/18.00
	Heating (Min / Std / Max) [Btu/h]	7,500 / 38,200 / 52,900	11,900 / 44,400 / 52,900	11,900 / 52,900 / 61,400	11,900 / 52,900 / 61,400
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.60/3.12/4.70	0.90/4.70/5.30	0.80/4.45/6.44	0.80/4.45/7.90
	Heating (Min / Std / Max) [kW]	0.46/3.10/5.40	0.75/3.80/5.50	0.70/4.54/7.36	0.70/4.54/7.90
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.21	2.55	3.01	3.01
	COP (Nominal Heating) [W/W]	3.61	3.42	3.41	3.41
Piping Connections	Installation Max. Length [m]	50	50	75	75
	Installation Max. Height [m]	30	30	30	30
Refrigerant	Type	R410A			
Power Supply [Indoor Unit] [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz			
Fan	Air Flow Rate (High / Mid / Low) [CMM]	31.0/25.0/19.0	32.0/26.0/20.0	32.0/27.0/22.0	32.0/27.0/22.0
	Sound Pressure (High / Mid / Low) [dB(A)]	44/39/33	45/40/35	45/41/37	45/41/37
Sound	Sound Power (Cooling) [dB(A)]	61	61	61	61
	Net Weight (kg)	18.0	18.0	20.0	20.0
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Panel model	PC4NUSKAN			
Panel Size	Panel Net Weight [kg]	5.9	5.9	5.9	5.9
	Shipping Weight [kg]	8.0	8.0	8.0	8.0
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (WxHxD) [mm]	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005
Power Supply [Outdoor Unit] [φ, #, V, Hz]		3φ, 4, 380-415V, 50Hz			
Fan	Air Flow Rate (Cooling) [CMM]	78	78	111	111
	Sound Pressure (Cooling/Heating) [dB(A)]	52/54	54/56	53/54	53/54
Sound	Sound Power (Cooling) [dB(A)]	69	70	69	69
	Net Weight (kg)	72.0	77.0	87.0	87.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330	940 x 1210 x 330
	Cooling [°C]	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
Operating Temp. Range	Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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4 Way Cassette Specification



Model Code	Indoor	AC052JN4DEH/AF	AC071JN4DEH/AF	AC090JN4DEH/AF	AC100JN4DEH/AF	AC100JN4DEH/AF
	Outdoor	AC052JX4DEH/AF	AC071JX4DEH/AF	AC090JX4DEH/AF	AC100JX4DEH/AF	AC100JX4DGH/AF
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	1.47/4.98/5.28	2.08/7.18/7.77	2.93/8.79/9.96	3.22/10.26/10.84	3.22/10.26/10.99
	Cooling (Min / Std / Max) [Btu/h]	5,000/17,000/18,000	7,100/24,500/26,500	10,000/30,000/34,000	11,000/35,000/37,000	11,000/35,000/37,500
	Heating (Min / Std / Max) [kW]	0.73/4.98/6.45	1.44/7.18/8.03	1.29/9.23/10.26	2.17/10.26/11.58	2.17/10.26/11.58
	Heating (Min / Std / Max) [Btu/h]	2,500/17,000/22,000	4,900/24,500/27,400	4,400/31,500/35,000	7,400/35,000/39,500	7,400/35,000/39,500
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.35/1.60/1.70	0.38/2.60/3.00	0.87/2.80/4.50	0.70/3.60/4.80	0.70/3.55/4.80
	Heating (Min / Std / Max) [kW]	0.26/1.23/2.20	0.27/2.07/2.90	0.60/2.45/4.10	0.45/2.75/4.26	0.45/2.75/4.26
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.11	2.76	3.14	2.85	2.89
	COP (Nominal Heating) [W/W]	4.05	3.47	3.77	3.73	3.73
Piping Connections	Installation Max. Length [m]	30	30	50	50	50
	Installation Max. Height [m]	15.0	15.0	30.0	30.0	30.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A
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	Air Flow Rate (High / Mid / Low) [CMM]	18.00/15.00/13.00	21.00/18.00/16.00	29.00/24.00/19.00	33.00/26.00/19.00	33.00/26.00/19.00
	Sound Pressure (High / Mid / Low) [dB(A)]	37.0 / 34.0 / 31.0	43.0 / 40.0 / 37.0	42.0 / 38.0 / 33.0	43.0 / 38.0 / 33.0	43.0 / 38.0 / 33.0
Sound	Sound Power (Cooling) [dB(A)]	-	-	-	-	-
	Net Weight (kg)	14.50	14.50	18.00	18.00	18.00
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Panel model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
Panel Size	Panel Net Weight [kg]	5.80	5.80	5.80	5.80	5.80
	Shipping Weight [kg]	8.40	8.40	8.40	8.40	8.40
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (WxHxD) [mm]	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005
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	3,4,380-415,50
Fan	Air Flow Rate (Cooling) [CMM]	40.00	41.00	60.00	60.00	60.00
	Sound Pressure (Cooling/Heating) [dB(A)]	47.0 / 48.0	49.0 / 51.0	54.0 / 56.0	55.0 / 57.0	55.0 / 57.0
Sound	Sound Power (Cooling) [dB(A)]	-	-	-	-	-
	Net Weight (kg)	36.00	45.00	67.00	67.00	69.50
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	790 x 548 x 285	880 x 638 x 310	880 x 967 x 320	880 x 967 x 320	880 x 967 x 320
	Cooling [°C]	-5~48	-5~48	-5~48	-5~48	-5~48
Operating Temp. Range	Heating [°C]	-15~24	-15~24	-15~24	-15~24	-15~24

CAC

Model Code	Indoor	NON INVERTER		NON INVERTER	
		AC120JN4DEH/AF	AC140JN4DEH/AF	AC120JN4SEH/AF	AC140JN4SEH/AF
	Outdoor	AC120JX4DGH/AF	AC140JX4DGH/AF	AC120JX4SGH/AF	AC140JX4SGH/AF
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	2.93/12.31/12.46	3.19/14.07/14.21	11.7	13.2
	Cooling (Min / Std / Max) [Btu/h]	10,000/42,000/42,500	10,900/48,000/48,500	40000	45000
	Heating (Min / Std / Max) [kW]	3.52/13.48/16.35	3.52/14.07/18.40	13.8	15.5
	Heating (Min / Std / Max) [Btu/h]	12,000/46,000/55,800	12,000/48,000/62,800	47000	53000
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	1.03/4.32/5.89	1.30/5.35/6.30	4.25	5.13
	Heating (Min / Std / Max) [kW]	0.88/4.35/7.30	1.30/4.54/7.50	4.42	5.28
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.85	2.63	2.76	2.57
	COP (Nominal Heating) [W/W]	3.10	3.10	3.12	2.94
Piping Connections	Installation Max. Length [m]	50	50	50	50
	Installation Max. Height [m]	30.0	30.0	30	30
Refrigerant	Type	R410A	R410A	R410A	R410A
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	Air Flow Rate (High / Mid / Low) [CMM]	31.00/24.00/19.00	32.00/24.00/20.00	31.00/24.00/19.00	33.00/29.00/25.00
	Sound Pressure (High / Mid / Low) [dB(A)]	44.0 / 40.0 / 36.0	45.0 / 41.0 / 36.0	44 / 42 / 40	45 / 43 / 41
Sound	Sound Power (Cooling) [dB(A)]	-	-	-	-
	Net Weight (kg)	18.00	18.00	18	18
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	840 x 288 x 840	840 x 288 x 840	840*288*840	840*288*840
	Panel model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
Panel Size	Panel Net Weight [kg]	5.80	5.80	5.8	5.8
	Shipping Weight [kg]	8.40	8.40	8.4	8.4
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (WxHxD) [mm]	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005
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
Fan	Air Flow Rate (Cooling) [CMM]	70.00	70.00	105	105
	Sound Pressure (Cooling/Heating) [dB(A)]	57.0 / 58.0	57.0 / 59.0	55 / 56	56 / 56
Sound	Sound Power (Cooling) [dB(A)]	-	-	-	-
	Net Weight (kg)	89.00	89.00	97	97
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	932 x 1162 x 375	932 x 1162 x 375	932*1162*375	932*1162*375
	Cooling [°C]	-5~48	-5~48	21-48	21-48
Operating Temp. Range	Heating [°C]	-15~24	-15~24	-5-24	-5-24

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Wind-Free™ 4 Way Cassette (600x600)

Specification



Model Code	Indoor Unit Outdoor Unit	AC026NNNDEH/AF AC026JXNDEH/AF	AC035NNNDEH/AF AC035JXNDEH/AF	AC052NNNDEH/AF AC052JXNDEH/AF	AC060NNNDEH/AF AC060JXNDEH/AF
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min / Std / Max) [kW]	1.26/2.64/3.52	1.32/3.52/3.96	1.32/4.92/5.28	2.08/5.71/7.77
	Cooling (Min / Std / Max) [Btu/h]	4,300/9,000/12,000	4,500/12,000/13,500	4,500/16,800/18,000	7,100/19,500/26,500
	Heating (Min / Std / Max) [kW]	1.08/3.37/4.25	1.17/3.99/4.40	0.94/4.84/5.86	1.44/5.28/7.91
	Heating (Min / Std / Max) [Btu/h]	3,700/11,500/14,500	4,000/13,600/15,000	3,200/16,500/20,000	4,900/18,000/27,000
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.30/0.68/1.20	0.31/1.09/1.40	0.35/1.60/1.85	0.38/1.88/3.00
	Heating (Min / Std / Max) [kW]	0.23/0.87/1.30	0.25/1.16/1.45	0.25/1.38/2.00	0.27/1.50/2.90
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.88	3.23	3.08	3.04
	COP (Nominal Heating) [W/W]	3.87	3.44	3.50	3.52
Piping Connections	Installation Max. Length (Outdoor to indoor) [m]	20	20	30	30
	Installation Max. Height (Between ID/OD) [m]	15	15	15	15
Refrigerant	Type	R410A(Contains fluorinated greenhouse gas, GWP=2,088)	R410A(Contains fluorinated greenhouse gas, GWP=2,088)	R410A(Contains fluorinated greenhouse gas, GWP=2,088)	R410A(Contains fluorinated greenhouse gas, GWP=2,088)
Power Supply (Indoor Unit) [φ, #, V, Hz]					
Fan	Air Flow Rate (High / Mid / Low) [CMM]	1φ, 2, 220-240V, 50Hz 8.00/7.10/6.30	1φ, 2, 220-240V, 50Hz 9.30/8.00/6.70	1φ, 2, 220-240V, 50Hz 12.70/11.00/9.30	1φ, 2, 220-240V, 50Hz 13.80/12.00/10.50
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33.0 / 31.0 / 27.0	35.0 / 33.0 / 29.0	39.0 / 37.0 / 34.0	41.0 / 38.0 / 35.0
	Sound Power (Cooling) [dB(A)]	39.0	42.0	45.0	46.0
External Dimension	Net Weight [kg]	11.20	11.20	11.80	11.80
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Panel model	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Panel Net Weight [kg]	2.70	2.70	2.70	2.70
Panel Size	Shipping Weight [kg]	3.90	3.90	3.90	3.90
	Net Dimensions (WxHxD) [mm]	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Shipping Dimensions (WxHxD) [mm]	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655
	Shipping Dimensions (WxHxD) [mm]	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655
Power Supply (Outdoor Unit) [φ, #, V, Hz]					
Fan	Air Flow Rate (Cooling) [CMM]	1φ, 2, 220-240V, 50Hz 37.00	1φ, 2, 220-240V, 50Hz 37.00	1φ, 2, 220-240V, 50Hz 40.00	1φ, 2, 220-240V, 50Hz 41.00
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	46.0 / 47.0	47.0 / 48.0	47.0 / 48.0	49.0 / 51.0
	Sound Power (Cooling) [dB(A)]	56.0	56.0	55.0	58.0
External Dimension	Net Weight [kg]	29.50	29.50	36.00	45.00
	Net Dimensions (WxHxD) [mm]	720 x 548 x 265	720 x 548 x 265	790 x 548 x 285	880 x 638 x 310
Operating Temp. Range	Cooling [°C]	-5 ~ 48	-5 ~ 48 °C	-5 ~ 48 °C	-5 ~ 48 °C
	Heating [°C]	-15 ~ 24	-15 ~ 24 °C	-15 ~ 24 °C	-15 ~ 24 °C

Model Code	Indoor Unit Outdoor Unit	AC026NNNDKH/EU AC026MXADKH/EU	AC035NNNDKH/EU AC035MXADKH/EU	AC052NNNDKH/EU AC052MXADKH/EU	AC060NNNDKH/EU AC060MXADKH/EU	AC071NNNDKH/EU AC071MXADKH/EU
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min / Std / Max) [kW]	1.00/2.60/3.40	1.00/3.50/4.00	1.30/5.00/5.90	1.80/5.80/6.50	2.20/6.80/8.00
	Cooling (Min / Std / Max) [Btu/h]	3,400/8,900/11,600	3,400/11,900/13,600	4,400/17,100/20,100	6,100/19,800/22,200	7,500/23,200/27,300
	Heating (Min / Std / Max) [kW]	0.98/3.40/4.10	1.00/4.00/4.80	1.30/5.50/7.50	1.60/7.00/9.00	1.90/7.50/9.00
	Heating (Min / Std / Max) [Btu/h]	3,300/11,600/14,000	3,400/13,600/16,400	4,400/18,800/25,600	5,500/23,900/30,700	6,500/25,600/30,700
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.24/0.68/1.20	0.24/1.09/1.50	0.31/1.53/2.10	0.38/2.15/2.60	0.35/2.72/3.95
	Heating (Min / Std / Max) [kW]	0.20/0.90/1.45	0.19/1.20/1.80	0.35/1.52/2.40	0.35/2.32/3.60	0.35/2.80/3.95
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.82	3.21	3.27	2.7	2.5
	COP (Nominal Heating) [W/W]	3.78	3.33	3.62	3.02	2.68
Piping Connections	Installation Max. Length (Outdoor to indoor) [m]	20	20	30	30	50
	Installation Max. Height (Between ID/OD) [m]	15.0	15.0	20.0	20.0	30.0
Refrigerant	Type	R410A(Contains fluorinated greenhouse gas, GWP=2,088)	R410A(Contains fluorinated greenhouse gas, GWP=2,088)	R410A(Contains fluorinated greenhouse gas, GWP=2,088)	R410A(Contains fluorinated greenhouse gas, GWP=2,088)	R410A(Contains fluorinated greenhouse gas, GWP=2,088)
Power Supply (Indoor Unit) [φ, #, V, Hz]						
Fan	Air Flow Rate (High / Mid / Low) [CMM]	1φ, 2, 220-240V, 50Hz 8.00/7.00/6.00	1φ, 2, 220-240V, 50Hz 9.20/8.00/6.40	1φ, 2, 220-240V, 50Hz 10.50/9.50/8.50	1φ, 2, 220-240V, 50Hz 11.00/10.00/9.00	1φ, 2, 220-240V, 50Hz 11.50/10.50/9.50
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	31.0 / 28.0 / 25.0	34.0 / 30.0 / 25.0	39.0 / 34.0 / 29.0	41.0 / 37.0 / 32.0	42.0 / 39.0 / 36.0
	Sound Power (Cooling) [dB(A)]	48.0	50.0	56.0	56.0	58.0
External Dimension	Net Weight [kg]	11.4	11.4	11.6	11.6	11.8
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Panel model	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Panel Net Weight [kg]	2.70	2.7	2.7	2.7	2.7
Panel Size	Shipping Weight [kg]	3.90	3.9	3.9	3.9	3.9
	Net Dimensions (WxHxD) [mm]	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Shipping Dimensions (WxHxD) [mm]	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655
	Shipping Dimensions (WxHxD) [mm]	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655
Power Supply (Outdoor Unit) [φ, #, V, Hz]						
Fan	Air Flow Rate (Cooling) [CMM]	1φ, 2, 220-240V, 50Hz 29.00	1φ, 2, 220-240V, 50Hz 30.00	1φ, 2, 220-240V, 50Hz 40.00	1φ, 2, 220-240V, 50Hz 40.00	1φ, 2, 220-240V, 50Hz 51.00
Sound	Sound Pressure (Cooling / Heating) [dB(A)]	46.0 / 47.0	48.0 / 48.0	48.0 / 48.0	49.0 / 49.0	49.0 / 51.0
	Sound Power (Cooling) [dB(A)]	59.0	61.0	62.0	62.0	65.0
External Dimension	Net Weight [kg]	32.80	32.80	43.80	43.80	53.00
	Net Dimensions (WxHxD) [mm]	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 638 x 310	880 x 798 x 310
Operating Temp. Range	Cooling [°C]	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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Individual
Controllers
Required
(Choices)



Panel
Required
(Choices)



Motion
Detect
Sensor
(Optional)



4 Way Cassette (600x600)

Specification



Model Code	Indoor Outdoor	AC026MNNDKH/EU AC026MXADKH/EU	AC035MNNDKH/EU AC035MXADKH/EU	AC052MNNDKH/EU AC052MXADKH/EU	AC060MNNDKH/EU AC060MXADKH/EU	AC071MNNDKH/EU AC071MXADKH/EU
System	Mode	Heat Pump		Heat Pump		Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	1.00/2.60/3.40		1.00/3.50/4.00		1.30/5.00/5.90
	Cooling (Min / Std / Max) [Btu/h]	3,400 / 8,900 / 11,600		3,400 / 11,900 / 13,600		4,400 / 17,100 / 20,100
	Heating (Min / Std / Max) [kW]	0.98/3.40/4.10		1.00/4.00/4.80		1.30/5.50/7.50
	Heating (Min / Std / Max) [Btu/h]	3,300 / 11,600 / 14,000		3,400 / 13,600 / 16,400		4,400 / 18,800 / 22,600
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.24/0.68/1.20		0.24/1.09/1.50		0.31/1.53/2.10
	Heating (Min / Std / Max) [kW]	0.20/0.90/1.45		0.19/1.20/1.80		0.35/1.52/2.40
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.82		3.21		3.27
	COP (Nominal Heating) [W/W]	3.78		3.33		3.62
Piping Connections	Installation Max. Length [m]	20		30		30
	Installation Max. Height [m]	15		15		20
Refrigerant	Type	R410A		R410A		R410A
Power Supply [Indoor Unit] [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	8.0/7.0/6.0		9.2/8.0/6.4		10.5/9.5/8.5
	Sound Pressure (High / Mid / Low) [dB(A)]	31/28/25		34/30/25		39/34/29
	Sound Power (Cooling) [dB(A)]	48		50		56
External Dimension (Indoor Unit)	Net Weight [kg]	11.4		11.4		11.6
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575		575 x 250 x 575		575 x 250 x 575
	Panel model	PC4SUSMAN		PC4SUSMAN		PC4SUSMAN
Panel Size	Panel Net Weight [kg]	2.7		2.7		2.7
	Shipping Weight [kg]	4.0		4.0		4.0
	Net Dimensions (WxHxD) [mm]	670 x 45 x 670		670 x 45 x 670		670 x 45 x 670
	Shipping Dimensions (WxHxD) [mm]	714 x 106 x 724		714 x 106 x 724		714 x 106 x 724
Power Supply [Outdoor Unit] [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	29		30		40
	Sound Pressure (Cooling/Heating) [dB(A)]	46/47		48/48		49/49
Sound	Sound Power (Cooling) [dB(A)]	59		61		62
	Net Weight (kg)	32.8		32.8		43.8
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	790 x 548 x 285		790 x 548 x 285		880 x 638 x 310
	Cooling [°C]	-15 ~ 50		-15 ~ 50		-15 ~ 50
Operating Temp. Range	Heating [°C]	-20 ~ 24		-20 ~ 24		-20 ~ 24

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CAC

4 Way Cassette (600x600)

Specification



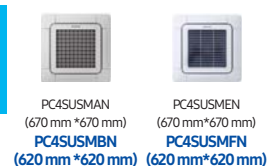
Model Code	Indoor Outdoor	AC026JNNDEH/AF AC026JXNDEH/AF	AC035JNNDEH/AF AC035JXNDEH/AF	AC052JNNDEH/AF AC052JXNDEH/AF	AC060JNNDEH/AF AC060JXNDEH/AF
System	Mode	Heat Pump		Heat Pump	
Capacity	Cooling (Min / Std / Max) [kW]	1.26/2.64/3.52		1.32/3.52/3.96	
	Cooling (Min / Std / Max) [Btu/h]	4,300/9,000/12,000		4,500/12,000/13,500	
	Heating (Min / Std / Max) [kW]	1.08/3.37/4.25		1.17/3.99/4.40	
	Heating (Min / Std / Max) [Btu/h]	3,700/11,500/14,500		4,000/13,600/15,000	
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.30/0.68/1.20		0.31/1.09/1.40	
	Heating (Min / Std / Max) [kW]	0.23/0.87/1.30		0.25/1.16/1.45	
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.88		3.23	
	COP (Nominal Heating) [W/W]	3.87		3.44	
Piping Connections	Installation Max. Length [m]	20		30	
	Installation Max. Height [m]	15.0		15.0	
Refrigerant	Type	R410A		R410A	
Power Supply [Indoor Unit] [φ, #, V, Hz]		1,2,220-240,50		1,2,220-240,50	
Fan	Air Flow Rate (High / Mid / Low) [CMM]	8.00/7.10/6.30		9.30/8.00/6.70	
	Sound Pressure (High / Mid / Low) [dB(A)]	33.0 / 31.0 / 27.0		35.0 / 33.0 / 29.0	
	Sound Power (Cooling) [dB(A)]	-		-	
External Dimension (Indoor Unit)	Net Weight (kg)	11.20		11.80	
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575		575 x 250 x 575	
	Panel model	PC4SUSMAN		PC4SUSMAN	
Panel Size	Panel Net Weight [kg]	2.70		2.70	
	Shipping Weight [kg]	4.20		4.20	
	Net Dimensions (WxHxD) [mm]	670 x 45 x 670		670 x 45 x 670	
	Shipping Dimensions (WxHxD) [mm]	714 x 106 x 724		714 x 106 x 724	
Power Supply [Outdoor Unit] [φ, #, V, Hz]		1,2,220-240,50		1,2,220-240,50	
Fan	Air Flow Rate (Cooling) [CMM]	37.00		40.00	
	Sound Pressure (Cooling/Heating) [dB(A)]	46.0 / 47.0		47.0 / 48.0	
Sound	Sound Power (Cooling) [dB(A)]	-		-	
	Net Weight (kg)	29.50		36.00	
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	720 x 548 x 265		790 x 548 x 285	
	Cooling [°C]	-5~48		-5~48	
Operating Temp. Range	Heating [°C]	-15~24		-15~24	

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Individual Controllers Required (Choices)



Panel Required (Choices)



1 Way Cassette

Specification



Model Code	Indoor	AC026MN1DKH/EU	AC035MN1DKH/EU
	Outdoor	AC026MXADKH/EU	AC035MXADKH/EU
System	Mode	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	0.96/2.60/3.50	1.00/3.50/4.10
	Cooling (Min / Std / Max) [Btu/h]	3,300 / 8,900 / 11,900	3,400 / 11,900 / 14,000
	Heating (Min / Std / Max) [kW]	0.98/3.30/4.40	1.00/4.00/5.00
	Heating (Min / Std / Max) [Btu/h]	3,300 / 11,300 / 15,000	3,400 / 13,600 / 17,100
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.25/0.72/1.20	0.24/1.09/1.50
	Heating (Min / Std / Max) [kW]	0.20/0.96/1.45	0.19/1.39/1.80
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.61	3.21
	COP (Nominal Heating) [W/W]	3.44	2.88
Piping Connections	Installation Max. Length [m]	20	20
	Installation Max. Height [m]	15	15
Refrigerant	Type	R410A	R410A
Power Supply [Indoor Unit] [Φ, #, V, Hz]		1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	7.3/6.5/5.8	9.0/8.2/7.2
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	30/27/24/23	33/30/27/26
	Sound Power (Cooling) [dB(A)]	52	55
External Dimension (Indoor Unit)	Net Weight (kg)	9.5	9.5
	Net Dimensions (WxHxD) [mm]	970 x 135 x 410	970 x 135 x 410
Panel Size	Panel model	PC1NUSMAN	PC1NUSMAN
	Panel Net Weight [kg]	3.1	3.1
	Shipping Weight [kg]	4.5	4.5
	Net Dimensions (WxHxD) [mm]	1180 x 25 x 460	1180 x 25 x 460
	Shipping Dimensions (WxHxD) [mm]	1250 x 126 x 530	1250 x 126 x 530
Power Supply [Outdoor Unit] [Φ, #, V, Hz]		1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	29	30
Sound	Sound Pressure (Cooling/Heating) [dB(A)]	46/47	48/48
	Sound Power (Cooling) [dB(A)]	59	61
External Dimension (Outdoor Unit)	Net Weight (kg)	32.8	32.8
	Net Dimensions (WxHxD) [mm]	790 x 548 x 285	790 x 548 x 285
Operating Temp. Range	Cooling (°C)	-15 ~ 50	-15 ~ 50
	Heating (°C)	-20 ~ 24	-20 ~ 24

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4 Way Cassette (R410A Non-Inverter Cooling Only)

Specification



Model Code	Indoor Outdoor	AC052NN4SEC/EA AC052NX4SEC/EA	AC071NN4SEC/EA AC071NX4SEC/EA	AC090NN4SEC/EA AC090NX4SEC/EA	AC100NN4SEC/EA AC100NX4SGC/EA	AC120NN4SEC/EA AC120NX4SGC/EA	AC140NN4SEC/EA AC140NX4SGC/EA
System	Mode	Cooling Only		Cooling Only	Cooling Only	Cooling Only	Cooling Only
Capacity	Cooling [kW]	5.3	6.5	8.2	11.1	12.1	14.0
Power Input (Nominal)	Cooling [kW]	1.68	2.03	2.41	3.68	4.03	5.00
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.15	3.20	3.40	3.02	3.00	2.8
Piping Connections	Installation Max. Length [m]	30	30	50	50	50	50
	Installation Max. Height [m]	15	15	30	30	30	30
Refrigerant	Type	R410A		R410A	R410A	R410A	R410A
Power Supply (Indoor Unit)	[φ, #, V, Hz]	1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	18.5/16.5/14.5	23.0/21.0/19.0	30.0/28.0/26.0	31.5/29.0/26.5	31.5/29.0/26.5	33.5/30.0/26.5
	Sound Pressure (High / Mid / Low) [dB(A)]	45.0/43.0/41.0	46.0/44.0/42.0	43.0/41.0/39.0	44.0/42.0/40.0	45.0/43.0/41.0	46.0/44.0/42.0
Sound	Net Weight (kg)	15	15	18	18	18	18
	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Panel Size (Cassette Type)	Panel model name	PC4NUSKEN/ PC4NUSKAN	PC4NUSKEN/ PC4NUSKAN	PC4NUSKEN/ PC4NUSKAN	PC4NUSKEN/ PC4NUSKAN	PC4NUSKEN/ PC4NUSKAN	PC4NUSKEN/ PC4NUSKAN
	Panel Net Weight [kg]	5.8	5.8	5.8	5.8	5.8	5.8
	Shipping Weight [kg]	8.4	8.4	8.4	8.4	8.4	8.4
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (WxHxD) [mm]	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005
Power Supply (Outdoor Unit)	[φ, #, V, Hz]	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	3φ, 4, 380-415V, 50Hz	3φ, 4, 380-415V, 50Hz	3φ, 4, 380-415V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	49.8	52.5	58	105	105	105
	Sound Pressure (Cooling) [dB(A)]	52	52	55	54	54	54
Sound	Net Weight (kg)	45.3	58.5	66	93	98	98
	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 793 x 310	880 x 931 x 320	932 x 1162 x 375	932 x 1162 x 375	932 x 1162 x 375
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 793 x 310	880 x 931 x 320	932 x 1162 x 375	932 x 1162 x 375	932 x 1162 x 375
Operating Temp. Range	Cooling [°C]	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54

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Individual Controllers Required (Choices)



Panel Required (Choices)



MSP Duct (R410A Non-Inverter Cooling Only)

Specification



Model Code	Indoor Outdoor	AC052NNMSEC/EA AC052NXMSEC/EA	AC071NNMSEC/EA AC071NXMSEC/EA	AC090NNMSEC/EA AC090NXMSEC/EA	AC100NNMSEC/EA AC100NXMSGC/EA	AC120NNMSEC/EA AC120NXMSGC/EA	AC140NNMSEC/EA AC140NXMSGC/EA	AC160NNMSEC/EA AC160NXMSGC/EA
System	Mode	Cooling Only		Cooling Only	Cooling Only	Cooling Only	Cooling Only	Cooling Only
Capacity	Cooling [kW]	5.3	6.5	8.2	11.1	12.5	14.0	15.4
Power Input (Nominal)	Cooling [kW]	1.71	2.03	2.48	3.79	4.17	5.19	5.50
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.10	3.20	3.30	2.93	3.00	2.70	2.80
Piping Connections	Installation Max. Length [m]	30	30	50	50	50	50	50
	Installation Max. Height [m]	15	15	30	30	30	30	30
Refrigerant	Type	R410A		R410A	R410A	R410A	R410A	R410A
Power Supply (Indoor Unit)	[φ, #, V, Hz]	1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	15.0/14.2/13.5	22.5/20.5/18.5	29.0/24.5/20.0	29.0/24.5/20.0	34.0/29.0/24.5	34.0/29.0/24.5	50.0/44.5/39.0
	Sound Pressure (High / Mid / Low) [dB(A)]	35.0/33.0/31.0	40.0/38.0/36.0	42.0/38.0/34.0	42.0/38.0/34.0	42.0/38.0/34.0	42.0/38.0/34.0	44.0/40.0/36.0
Sound	Net Weight (kg)	30	30	33	33	47.8	47.8	53
	Net Dimensions (WxHxD) [mm]	1150x260x480	1150x260x480	1150x320x480	1150x320x480	1200x360x650	1200x360x650	1200x360x650
Additional Accessories (Duct Type)	Drain pump	MDP-M075SGU1D	MDP-M075SGU1D	MDP-M075SGU1D	MDP-M075SGU1D	MDP-M075SGU2D	MDP-M075SGU2D	MDP-M075SGU2D
Power Supply (Outdoor Unit)	[φ, #, V, Hz]	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	3φ, 4, 380-415V, 50Hz	3φ, 4, 380-415V, 50Hz	3φ, 4, 380-415V, 50Hz	3φ, 4, 380-415V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	49.8	52.5	58	105	105	105	105
	Sound Pressure (Cooling) [dB(A)]	52.0	52.0	55.0	54.0	54.0	54.0	55.0
Sound	Net Weight (kg)	45.3	58.5	66	93	98	98	99.5
	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 793 x 310	880 x 931 x 320	932 x 1162 x 375	932 x 1162 x 375	932 x 1162 x 375	932 x 1162 x 375
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 793 x 310	880 x 931 x 320	932 x 1162 x 375	932 x 1162 x 375	932 x 1162 x 375	932 x 1162 x 375
Operating Temp. Range	Cooling [°C]	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54

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Individual Controllers Required (Choices)



Drain Pump (Optional)



4 Way Cassette (R22 COOLING ONLY)

Specification



Model Code	Indoor Outdoor	AC018HB4DED/ID AC018HC4TED/ID	AC024HB4DED/ID AC024HC4TED/ID	AC036HB4DED/ID AC036HC4TED/ID	AC048HB4DED/ID AC048HC4TGD/ID
System	Mode	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
Capacity	Cooling [kW]	5.57	7.03	10.26	14.07
	Cooling [Btu/h]	19,000	24,000	35,000	48,000
Capacity	Cooling (Outdoor temp. 46°C) [kW]	4.69	6.15	9.09	12.60
	Cooling (Outdoor temp. 46°C) [Btu/h]	16,000	21,000	31,000	43,000
Power Input (Nominal)	Cooling [kW]	1.80	2.40	3.25	4.90
	Cooling (Outdoor temp. 46°C) [kW]	2.10	2.85	4.00	5.65
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.09	2.93	3.16	2.87
	EER (Nominal Cooling, US) [Btu/h]	10.6	10	10.8	9.8
Piping Connections	Installation Max. Length [m]	30	30	50	50
	Installation Max. Height [m]	15.0	15.0	30.0	30.0
Refrigerant	Type	R22	R22	R22	R22
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	Air Flow Rate (High / Mid / Low) [CMM]	16.00/14.00/12.00	19.00/17.00/15.00	29.00/26.00/24.00	31.00/29.00/26.00
	Sound Pressure (High / Mid / Low) [dB(A)]	38.0 / 36.0 / 34.0	43.0 / 41.0 / 39.0	43.0 / 41.0 / 39.0	45.0 / 43.0 / 41.0
Sound	Sound Power (Cooling) [dB(A)]	-	-	-	-
	Net Weight (kg)	15.50	15.50	19.00	19.00
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840
	Panel model	PC4NUSME	PC4NUSME	PC4NUSME	PC4NUSME
Panel Size	Panel Net Weight [kg]	5.90	5.90	5.90	5.90
	Shipping Weight [kg]	8.40	8.40	8.40	8.40
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (WxHxD) [mm]	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005
Power Supply [Outdoor Unit] [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
Fan	Air Flow Rate (Cooling) [CMM]	45.00	53.00	70.00	90.00
	Sound Pressure (Cooling/Heating) [dB(A)]	50.0	53.0	53.0	55.0
Sound	Sound Power (Cooling) [dB(A)]	-	-	-	-
	Net Weight (kg)	42.00	51.00	77.00	90.00
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 638 x 310	880 x 967 x 320	932 x 1162 x 375
	Operating Temp. Range	Cooling [°C] Heating [°C]	21~54 -	21~54 -	21~54 -

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Individual
Controllers
Required
(Choices)



Panel
Required
(Choices)



4 Way Cassette (R22 Heat Pump)

Specification



Model Code	Indoor Outdoor	AC018HB4DEE/ID AC018HC4TED/ID	AC024HB4DEE/ID AC024HC4TED/ID	AC036HB4DEE/ID AC036HC4TED/ID	AC048HB4DEE/ID AC048HC4TGD/ID
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling [kW]	5.36	7.03	10.26	13.77
	Cooling [Btu/h]	18,300	24,000	35,000	47,000
Capacity	Cooling (Outdoor temp. 46°C) [kW]	4.69	6.30	9.67	12.60
	Cooling (Outdoor temp. 46°C) [Btu/h]	16,000	21,500	33,000	43,000
Power Input (Nominal)	Cooling [kW]	1.80	2.40	3.50	4.70
	Cooling (Outdoor temp. 46°C) [kW]	2.10	2.75	4.20	5.80
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.98	2.93	2.93	2.93
	EER (Cooling Nominal, US) [Btu/h]	10.2	10	10	10
Piping Connections	Installation Max. Length [m]	30	30	50	50
	Installation Max. Height [m]	15.0	15.0	30.0	30.0
Refrigerant	Type	R22	R22	R22	R22
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	Air Flow Rate (High / Mid / Low) [CMM]	15.00/14.00/13.00	21.00/19.00/17.00	29.00/26.00/24.00	31.00/28.00/25.00
	Air Flow Rate (Cooling) [CMM]	46.90	49.20	61.60	102.20
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38.0 / 36.0 / 34.0	43.0 / 41.0 / 39.0	43.0 / 41.0 / 39.0	45.0 / 43.0 / 41.0
	Sound Power (Cooling) [dB(A)]	-	-	-	-
External Dimension (Indoor Unit)	Net Weight (kg)	15.50	15.50	19.00	19.00
	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840
Panel Size	Panel model	PC4NUSME	PC4NUSME	PC4NUSME	PC4NUSME
	Panel Net Weight [kg]	5.90	5.90	5.90	5.90
	Shipping Weight [kg]	8.40	8.40	8.40	8.40
	Net Dimensions (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
Shipping Dimensions (WxHxD) [mm]	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	
Power Supply [Outdoor Unit] [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	3,4,380-415,50
Fan	Air Flow Rate (Cooling) [CMM]	46.90	49.20	61.60	102.20
	Sound Pressure (Cooling/Heating) [dB(A)]	52.0 / 53.0	52.0 / 53.0	54.0 / 55.0	55.0 / 56.0
Sound	Sound Power (Cooling) [dB(A)]	-	-	-	-
	Net Weight (kg)	48.00	62.00	85.00	97.00
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 638 x 310	880 x 967 x 320	932 x 1162 x 375
	Operating Temp. Range	Cooling [°C] Heating [°C]	21~54 -5~24	21~54 -5~24	21~54 -5~24

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Individual
Controllers
Required
(Choices)



Panel
Required
(Choices)



HSP Duct Specification



Model Code	Indoor	AC180JNHPKH/EU	AC200KNHPKH/EU	AC250KNHPKH/EU
	Outdoor	AC180JXAPNH/EU	AC200KXAPNH/EU	AC250KXAPNH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	6.00/18.00/20.00	7.50/20.00/23.00	9.00/25.00/28.50
	Cooling (Min / Std / Max) [Btu/h]	20,500/61,400/68,200	-	-
	Heating (Min / Std / Max) [kW]	4.80/20.00/22.50	8.50/23.00/25.00	10.00/27.00/32.00
	Heating (Min / Std / Max) [Btu/h]	16,400/68,200/76,800	-	-
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	1.30/5.45/7.30	2.10/6.45/8.00	2.60/9.58/12.00
	Heating (Min / Std / Max) [kW]	1.20/5.54/7.60	2.10/6.66/9.80	2.50/8.33/13.50
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.30	3.1	2.61
	COP (Nominal Heating) [Btu/Wh]	3.61	3.45	3.24
Piping Connections	Installation Max. Length [m]	75	75	75
	Installation Max. Height [m]	30.0	30	30
Refrigerant	Type	R410A	R410A	R410A
Power Supply [Indoor Unit] [φ, #, V, Hz]		1,2,220-240,50	1, 2, 220-240, 50	1, 2, 220-240, 50
Fan	Air Flow Rate (High / Mid / Low) [CMM]	71.00/60.00/50.00	72.00/60.00/48.00	80.00/64.00/51.00
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	43.0 / 39.0 / 35.0	44.0 / 40.0 / 36.0	47.0 / 42.0 / 37.0
	Sound Power (Cooling) [dB(A)]	69	70	72
External Dimension (Indoor Unit)	Net Weight (kg)	82.50	82.5	82.5
	Net Dimensions (WxHxD) [mm]	1350 x 450 x 910	1350 x 450 x 910	1350 x 450 x 910
Additional Accessories	Drain Pump (Optionnel)	MDP-G075SP, MDP-F075SQ	MDP-G075SP	MDP-G075SP
Power Supply [Outdoor Unit] [φ, #, V, Hz]		3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Fan	Air Flow Rate (Cooling) [CMM]	110.00	200	200
Sound	Sound Pressure (Cooling/Heating) [dB(A)]	55.0 / 57.0	58.0 / 60	59.0 / 61.0
	Sound Power (Cooling) [dB(A)]	76.0	75	77
External Dimension (Outdoor Unit)	Net Weight (kg)	107.50	154	154
	Net Dimensions (WxHxD) [mm]	940 x 1420 x 330	940 x 1630 x 460	940 x 1630 x 460
Operating Temp. Range	Cooling [°C]	-15~50	-20~50	-20~50
	Heating [°C]	-20~24	-20~24	-20~24

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CAC

Individual
Controllers
Required
(Choices)



MWR-WE13N MWR-SH10N MWR-SH00N AR-EH03E MRK-A10N

Drain Pump
(Optional)



MDP-G075SP (External Type) MDP-G075SQ (Internal Type)

MSP Duct Specification



Model Code	Indoor	AC052MNMDKH/EU	AC060MNMDKH/EU	AC071MNMDKH/EU	AC090MNMDKH/EU	AC090MNMDKH/EU
	Outdoor	AC052MXADKH/EU	AC060MXADKH/EU	AC071MXADKH/EU	AC090MXADKH/EU	AC090MXADNH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	1.20/5.00/6.00	1.20/5.80/7.00	2.20/7.10/8.00	3.00/9.00/11.30	3.00/9.00/11.30
	Cooling (Min / Std / Max) [Btu/h]	4,100 / 17,100 / 20,500	4,100 / 19,800 / 23,900	7,500 / 24,200 / 27,300	10,200 / 30,700 / 38,600	10,200 / 30,700 / 38,600
	Heating (Min / Std / Max) [kW]	1.10/6.00/7.20	1.50/7.00/8.50	1.90/8.00/9.00	2.20/10.00/13.90	2.20/10.00/13.90
	Heating (Min / Std / Max) [Btu/h]	3,800 / 20,500 / 24,600	5,100 / 23,900 / 29,000	6,500 / 27,300 / 30,700	7,500 / 34,100 / 47,400	7,500 / 34,100 / 47,400
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.35/1.56/2.20	0.26/1.95/2.40	0.35/2.15/3.95	0.60/2.90/4.46	0.60/2.90/4.46
	Heating (Min / Std / Max) [kW]	0.26/1.58/2.70	0.20/1.95/3.30	0.35/2.20/3.95	0.46/2.75/5.20	0.46/2.75/5.20
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.21	2.97	3.30	3.10	3.10
	COP (Nominal Heating) [W/W]	3.80	3.59	3.64	3.64	3.64
Piping Connections	Installation Max. Length [m]	30	30	50	50	50
	Installation Max. Height [m]	20	20	30	30	30
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A
Power Supply [Indoor Unit] [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	14.5/12.0/9.5	17.0/14.0/11.0	17.0/14.0/11.0	28.0/25.0/22.0	28.0/25.0/22.0
	Sound Pressure (High / Mid / Low) [dB(A)]	29/26/23	30/27/24	30/27/24	34/32/30	34/32/30
Sound	Sound Power (Cooling) [dB(A)]	55	56	56	58	58
	Net Weight (kg)	25.8	25.8	25.8	33.4	33.4
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	1200 x 250 x 700	1200 x 250 x 700
	Additional Accessories	Drain Pump (Optional)	"MDP-G075SP(External) MDP-G075SQ(Internal)"	"MDP-G075SP(External) MDP-G075SQ(Internal)"	"MDP-G075SP(External) MDP-G075SQ(Internal)"	"MDP-G075SP(External) MDP-G075SQ(Internal)"
Power Supply [Outdoor Unit] [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	3φ, 4, 380-415V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	40	40	51	78	78
	Sound Pressure (High / Mid / Low) [dB(A)]	48/48	49/49	49/51	52/53	52/53
Sound	Sound Power (Cooling) [dB(A)]	62	62	65	68	68
	Net Weight (kg)	43.8	43.8	53.0	72.0	72.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330
	Operating Temp. Range	Cooling [°C] Heating [°C]	-15 ~ 50 -20 ~ 24	-15 ~ 50 -20 ~ 24	-15 ~ 50 -20 ~ 24	-15 ~ 50 -20 ~ 24

Model Code	Indoor	AC100MNMDKH/EU	AC100MNMDKH/EU	AC120MNMDKH/EU	AC120MNMDKH/EU	AC140MNMDKH/EU	AC140MNMDKH/EU
	Outdoor	AC100MXADKH/EU	AC100MXADNH/EU	AC120MXADKH/EU	AC120MXADNH/EU	AC140MXADKH/EU	AC140MXADNH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	3.00/10.00/12.00	3.00/10.00/12.00	3.00/12.00/13.50	3.00/12.00/13.50	3.50/13.40/15.50	3.50/13.40/15.50
	Cooling (Min / Std / Max) [Btu/h]	10,200 / 34,100 / 40,900	10,200 / 34,100 / 40,900	10,200 / 40,900 / 46,100	10,200 / 40,900 / 46,100	11,900 / 45,700 / 52,900	11,900 / 45,700 / 52,900
	Heating (Min / Std / Max) [kW]	2.20/11.20/15.50	2.20/11.20/15.50	2.50/13.00/17.00	2.50/13.00/17.00	3.50/15.50/18.00	3.50/15.50/18.00
	Heating (Min / Std / Max) [Btu/h]	7,500 / 38,200 / 52,900	7,500 / 38,200 / 52,900	8,500 / 44,400 / 58,000	8,500 / 44,400 / 58,000	11,900 / 52,900 / 61,400	11,900 / 52,900 / 61,400
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.60/3.50/4.70	0.60/3.50/4.70	0.90/4.40/5.50	0.90/4.40/5.50	0.80/4.45/6.44	0.80/4.45/6.44
	Heating (Min / Std / Max) [kW]	0.46/3.30/5.40	0.46/3.30/5.40	0.70/4.00/5.90	0.70/4.00/5.90	0.70/4.54/7.36	0.70/4.54/7.36
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.86	2.86	2.73	2.73	3.01	3.01
	COP (Nominal Heating) [W/W]	3.39	3.39	3.25	3.25	3.41	3.41
Piping Connections	Installation Max. Length [m]	50	50	50	50	75	75
	Installation Max. Height [m]	30	30	30	30	30	30
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
Power Supply [Indoor Unit] [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz	1φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	28.0/25.0/22.0	28.0/25.0/22.0	33.0/28.0/23.0	33.0/28.0/23.0	33.0/28.0/23.0	33.0/28.0/23.0
	Sound Pressure (High / Mid / Low) [dB(A)]	34/32/30	34/32/30	37/34/30	37/34/30	37/34/30	37/34/30
Sound	Sound Power (Cooling) [dB(A)]	58	58	62	62	62	62
	Net Weight (kg)	33.4	33.4	38.6	38.6	38.6	38.6
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	1200 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700
	Additional Accessories	Drain Pump (Optional)	"MDP-G075SP(External) MDP-G075SQ(Internal)"	"MDP-G075SP(External) MDP-G075SQ(Internal)"	"MDP-G075SP(External) MDP-G075SQ(Internal)"	"MDP-G075SP(External) MDP-G075SQ(Internal)"	"MDP-G075SP(External) MDP-G075SQ(Internal)"
Power Supply [Outdoor Unit] [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz	3φ, 4, 380-415V, 50Hz	1φ, 2, 220-240V, 50Hz	3φ, 4, 380-415V, 50Hz	1φ, 2, 220-240V, 50Hz	3φ, 4, 380-415V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	78	78	78	78	111	111
	Sound Pressure (Cooling/Heating) [dB(A)]	52/54	52/54	54/56	54/56	53/54	53/54
Sound	Sound Power (Cooling) [dB(A)]	69	69	70	70	69	69
	Net Weight (kg)	72.0	72.0	77.0	77.0	87.0	87.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330	940 x 1210 x 330
	Operating Temp. Range	Cooling [°C] Heating [°C]	-15 ~ 50 -20 ~ 24	-15 ~ 50 -20 ~ 24	-15 ~ 50 -20 ~ 24	-15 ~ 50 -20 ~ 24	-15 ~ 50 -20 ~ 24

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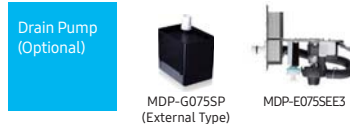


MSP Duct Specification



Model Code	Indoor	AC035JNMDEH/AF	AC052JNMDEH/AF	AC071JNMDEH/AF	AC090JNMDEH/AF	AC100JNMDEH/AF
	Outdoor	AC035JXMDEH/AF	AC052JXMDEH/AF	AC071JXMDEH/AF	AC090JXMDEH/AF	AC100JXMDEH/AF
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	0.98/3.50/4.10	1.46/4.98/5.27	1.84/7.18/7.62	2.93/8.79/9.96	3.02/10.26/10.84
	Cooling (Min / Std / Max) [Btu/h]	3,300/11,900/14,000	5,000/17,000/18,000	6,300/24,500/26,000	10,000/30,000/34,000	10,300/35,000/37,000
	Heating (Min / Std / Max) [kW]	0.99/3.98/4.98	0.73/4.98/6.45	1.67/7.18/8.00	1.29/9.23/10.26	2.17/10.26/11.58
	Heating (Min / Std / Max) [Btu/h]	3,400/13,600/17,000	2,500/17,000/22,000	5,700/24,500/27,300	4,400/31,500/35,000	7,400/35,000/39,500
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.33/1.15/1.35	0.35/1.60/1.70	0.47/2.50/3.23	0.90/3.37/4.60	0.80/3.85/4.90
	Heating (Min / Std / Max) [kW]	0.24/1.18/1.50	0.25/1.23/2.20	0.31/1.95/2.90	0.65/2.80/4.20	0.50/2.90/4.43
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.04	3.11	2.87	2.61	2.66
	COP (Nominal Heating) [W/W]	3.37	4.05	3.68	3.30	3.54
Piping Connections	Installation Max. Length [m]	20	30	30	50	50
	Installation Max. Height [m]	15.0	15.0	15.0	30.0	30.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A
Power Supply [Indoor Unit] [Φ, #, V, Hz]		1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50
Fan	Air Flow Rate (High / Mid / Low) [CMM]	9.20/7.40/5.80	18.70/16.50/14.00	23.00/20.00/17.00	29.00/25.00/22.00	33.00/27.00/22.00
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	32.0 / 29.0 / 26.0	33.0 / 30.0 / 27.0	36.0 / 32.0 / 28.0	41.0 / 38.0 / 34.0	39.0 / 36.0 / 33.0
	Sound Power (Cooling) [dB(A)]	-	-	-	-	-
External Dimension (Indoor Unit)	Net Weight (kg)	20.00	25.20	25.20	25.00	32.00
	Net Dimensions (WxHxD) [mm]	700 x 199 x 600	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	1200 x 250 x 700
Additional Accessories	Drain Pump (Optionnel)	MDP-E075SEE3	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP
Power Supply [Outdoor Unit] [Φ, #, V, Hz]		1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	3,4380-415,50
Fan	Air Flow Rate (Cooling) [CMM]	37.00	40.00	41.00	60.00	60.00
Sound	Sound Pressure (Cooling/Heating) [dB(A)]	47.0 / 48.0	47.0 / 48.0	49.0 / 51.0	54.0 / 56.0	55.0 / 57.0
	Sound Power (Cooling) [dB(A)]	-	-	-	-	-
External Dimension (Outdoor Unit)	Net Weight (kg)	29.50	36.00	45.00	67.00	69.50
	Net Dimensions (WxHxD) [mm]	720 x 548 x 265	790 x 548 x 285	880 x 638 x 310	880 x 967 x 320	880 x 967 x 320
Operating Temp. Range	Cooling [°C]	-5~48	-5~48	-5~48	-5~48	-5~48
	Heating [°C]	-15~24	-15~24	-15~24	-15~24	-15~24

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MSP Duct Specification



Model Code	Indoor	AC100JNMDEH/AF	AC120JNMDEH/AF	AC140JNMDEH/AF	AC160JNMDEH/AF	NON INVERTER	NON INVERTER
	Outdoor	AC100JXMDEH/AF	AC120JXMDEH/AF	AC140JXMDEH/AF	AC160JXMDEH/AF	AC120JXMSEH/AF	AC140JXMSEH/AF
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	3.02/10.26/10.84	2.93/12.31/12.46	3.19/13.77/13.92	3.22/15.83/16.12	11.4	12.9
	Cooling (Min / Std / Max) [Btu/h]	10,300/35,000/37,000	10,000/42,000/42,500	10,900/47,000/47,500	11,000/54,000/55,000	39000	44000
	Heating (Min / Std / Max) [kW]	2.17/10.26/11.58	3.81/13.48/16.41	3.52/14.07/18.46	2.34/15.83/19.34	13.8	15.8
	Heating (Min / Std / Max) [Btu/h]	7,400/35,000/39,500	13,000/46,000/56,000	12,000/48,000/63,000	8,000/54,000/66,000	47000	54000
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.80/3.90/4.90	1.05/4.74/5.90	1.30/5.30/6.50	1.08/6.07/6.35	4.40	5.43
	Heating (Min / Std / Max) [kW]	0.50/3.20/4.43	0.88/4.40/7.30	0.90/4.62/7.50	0.88/5.16/6.94	4.51	5.31
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.63	2.60	2.60	2.61	2.60	2.37
	COP (Nominal Heating) [W/W]	3.21	3.06	3.04	3.07	3.05	2.98
Piping Connections	Installation Max. Length [m]	50	50	50	50	50	50
	Installation Max. Height [m]	30.0	30.0	30.0	30.0	30	30
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
Power Supply [Indoor Unit] [Φ, #, V, Hz]		1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50	1,220-240,50
Fan	Air Flow Rate (High / Mid / Low) [CMM]	33.00/27.00/22.00	38.00/32.00/25.00	42.00/34.00/27.00	49.00/43.00/37.00	38/32/25	43/35/27
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	39.0 / 36.0 / 33.0	42.0 / 38.0 / 34.0	43.0 / 39.0 / 34.0	44.0 / 40.0 / 35.0	42 / 38 / 34	43 / 39 / 34
	Sound Power (Cooling) [dB(A)]	-	-	-	-	-	-
External Dimension (Indoor Unit)	Net Weight (kg)	32.00	32.50	32.50	38.00	32.5	32.5
	Net Dimensions (WxHxD) [mm]	1200 x 250 x 700	1200 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700	1200*250*700	1200*250*700
Accessoires Supplémentaires	Drain Pump (Optionnel)	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP
Power Supply [Outdoor Unit] [Φ, #, V, Hz]		1,220-240,50	3,4380-415,50	3,4380-415,50	3,4380-415,50	3,4380-415,50	3,4380-415,50
Fan	Air Flow Rate (Cooling) [CMM]	60.00	70.00	70.00	70.00	105	105
Sound	Sound Pressure (Cooling/Heating) [dB(A)]	55.0 / 57.0	57.0 / 58.0	57.0 / 59.0	57.0 / 59.0	55.0/ 56.0	56.0 / 56.0
	Sound Power (Cooling) [dB(A)]	-	-	-	-	-	-
External Dimension (Outdoor Unit)	Net Weight (kg)	67.00	89.00	89.00	97.00	96	96
	Net Dimensions (WxHxD) [mm]	880 x 967 x 320	932 x 1162 x 375	932 x 1162 x 375	932 x 1162 x 375	932*1162*375	932*1162*375
Operating Temp. Range	Cooling [°C]	-5~48	-5~48	-5~48	-5~48	21~48	21~48
	Heating [°C]	-15~24	-15~24	-15~24	-15~24	-5~24	-5~24

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MSP Duct (R22 Heat Pump)

Specification



Model Code	Indoor	AC018HBM DKE/ID	AC024HBM DKE/ID	AC036HBM DKE/ID	AC036HBM DKE/ID	AC048HBM DKE/ID	NS060SHREA
	Outdoor	AC018HCRTEE/ID	AC024HCRTEE/ID	AC036HCR TGE/ID	AC036HCRTEE/ID	AC048HCR TGE/ID	RC060FQRGA
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling [kW]	5.33	7.18	10.40	10.40	14.06	16.71
	Cooling [Btu/h]	18,200	24,500	35,500	35,500	48,000	57,000
	Cooling (Outdoor temp. 46°C) [kW]	4.78	6.15	9.38	9.26	12.75	-
	Cooling (Outdoor temp. 46°C) [Btu/h]	16,300	21,000	32,000	31,600	43,500	-
	Heating [kW]	5.92	7.85	10.78	10.93	15.82	18.17
	Heating [Btu/h]	20,200	26,800	36,800	37,300	54,000	62,000
Power Input (Nominal)	Cooling [kW]	1.80	2.45	3.40	3.50	4.97	6.55
	Cooling (Outdoor temp. 46°C) [kW]	2.10	2.75	4.15	4.15	5.80	-
	Heating [kW]	1.70	2.45	3.60	3.50	4.60	6.35
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.96	2.93	3.06	2.97	2.83	2.55
	EER (Nominal Cooling, US) [Btu/h]	10.1	10	10.4	10.1	9.7	8.7
	COP (Nominal Heating) [W/W]	3.48	3.20	2.99	3.12	3.44	2.86
Piping Connections	Installation Max. Length [m]	30	30	50	50	50	50
	Installation Max. Height [m]	15.0	15.0	30.0	30.0	30.0	30.0
Refrigerant	Type	R22	R22	R22	R22	R22	R22
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	1,2,220-240,50/60	1,2,220-240,50
Fan	Air Flow Rate (High / Mid / Low) [CMM]	15.00/12.00/9.00	21.00/18.00/15.00	32.00/29.00/27.00	32.00/29.00/27.00	44.00/39.00/35.00	42.30/38.06/28.01
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33.0 / 30.0 / 27.0	38.0 / 34.0 / 30.0	39.0 / 36.0 / 33.0	39.0 / 36.0 / 33.0	40.0 / 37.0 / 33.0	46.0 / 44.0 / 42.0
	Sound Power (Cooling) [dB(A)]	-	-	-	-	-	-
External Dimension (Indoor Unit)	Net Weight (kg)	25.00	25.00	32.50	32.50	39.00	49.00
	Net Dimensions (WxHxD) [mm]	850 x 250 x 700	850 x 250 x 700	1200 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700	1200 x 360 x 650
Additions/ Accessories	Drain Pump (Optionnel)	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-M075SGU2
Power Supply [Outdoor Unit] [φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	3,4,380-415,50	1,2,220-240,50	3,4,380-415,50	3,4,380-415,50
Fan	Air Flow Rate (Cooling) [CMM]	43.00	53.00	90.00	90.00	90.00	-
Sound	Sound Pressure (Cooling/Heating) [dB(A)]	52.0 / 53.0	52.0 / 53.0	55.0 / 57.0	55.0 / 57.0	55.0 / 56.0	56.0 / 58.0
	Sound Power (Cooling) [dB(A)]	-	-	-	-	-	-
External Dimension (Outdoor Unit)	Net Weight (kg)	48.00	62.00	85.00	85.00	104.00	110.00
	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 798 x 310	880 x 931 x 320	880 x 931 x 320	932 x 1162 x 375	932 x 1128 x 375
Operating Temp. Range	Cooling [°C]	21-54	21-54	21-54	21-54	21-54	21-54
	Heating [°C]	-5-24	-5-24	-5-24	-5-24	-5-24	-5-24

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MSP Duct (R22 COOLING ONLY)

Specification



Model Code	Indoor	AC018HBMDKD/ID	AC024HBMDKD/ID	AC036HBMDKD1ID	AC036HBMDKD1ID	AC036HBMDKD/ID
	Outdoor	AC018HCRTED/ID	AC024HCRTED/ID	AC036HCRTED1ID	AC036HCRTGD1ID	AC036HCRTED/ID
System	Mode	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
Capacity	Cooling [kW]	5.28	7.03	9.67	9.67	10.55
	Cooling [Btu/h]	18,000	24,000	33,000	33,000	36,000
	Cooling (Outdoor temp. 46°C) [kW]	4.69	6.15	8.50	8.50	9.67
	Cooling (Outdoor temp. 46°C) [Btu/h]	16,000	21,000	29,000	29,000	33,000
Power Input (Nominal)	Cooling [kW]	1.76	2.29	3.25	3.25	3.72
	Cooling (Outdoor temp. 46°C) [kW]	2.14	2.75	3.99	3.99	4.34
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.00	3.08	2.98	2.98	2.83
	EER (Nominal Cooling, US) [Btu/h]	10.2	10.5	10.2	10.2	9.7
Piping Connections	Installation Max. Length [m]	30	30	50	50	50
	Installation Max. Height [m]	15.0	15.0	30.0	30.0	30.0
Refrigerant	Type	R22	R22	R22	R22	R22
Power Supply [Indoor Unit] [φ, #, V, Hz]		1,220-240,50/60	1,220-240,50/60	1,220-240,50/60	1,220-240,50/60	1,220-240,50/60
Fan	Air Flow Rate (High / Mid / Low) [CMM]	15.00/12.00/9.00	21.00/18.00/15.00	33.00/29.00/25.00	33.00/29.00/25.00	35.00/32.00/29.00
	Sound Pressure (High / Mid / Low) [dB(A)]	33.0 / 30.0 / 27.0	37.0 / 33.0 / 29.0	39.0 / 36.0 / 33.0	39.0 / 36.0 / 33.0	40.0 / 37.0 / 34.0
Sound	Sound Power (Cooling) [dB(A)]	-	-	-	-	-
	Net Weight (kg)	25.00	25.00	32.50	32.50	32.50
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	850 x 250 x 700	850 x 250 x 700	1200 x 250 x 700	1200 x 250 x 700	1200 x 250 x 700
	Additional Accessories	Drain Pump (Optionnel)	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP
Power Supply [Outdoor Unit] [φ, #, V, Hz]		1,220-240,50	1,220-240,50	1,220-240,50	3,4380-415,50	1,220-240,50
Fan	Air Flow Rate (Cooling) [CMM]	43.00	53.00	-	-	90.00
	Sound Pressure (High / Mid / Low) [dB(A)]	50.0	52.0	52.0	52.0	53.0
Sound	Sound Power (Cooling) [dB(A)]	-	-	-	-	-
	Net Weight (kg)	41.60	58.00	77.00	76.00	95.00
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 798 x 310	880 x 967 x 320	880 x 967 x 320	932 x 1162 x 375
	Operating Temp. Range	Cooling [°C]	21-54	21-54	21-54	21-54

Model Code	Indoor	AC036HBMDKD/ID	AC042HBMDKD/ID	AC048HBMDKD/ID	NS060SCREA
	Outdoor	AC036HCRTGD/ID	AC042HCRTGD/ID	AC048HCRTGD/ID	RC060FSTRGA
System	Mode	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
Capacity	Cooling [kW]	10.55	12.31	14.07	16.7
	Cooling [Btu/h]	36,000	42,000	48,000	57,000
	Cooling (Outdoor temp. 46°C) [kW]	9.67	11.14	12.02	-
	Cooling (Outdoor temp. 46°C) [Btu/h]	33,000	38,000	41,000	-
Power Input (Nominal)	Cooling [kW]	3.72	3.81	5.01	5.90
	Cooling (Outdoor temp. 46°C) [kW]	4.34	4.60	5.80	-
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.83	3.23	2.81	2.83
	EER (Nominal Cooling, US) [Btu/h]	9.7	11	9.6	-
Piping Connections	Installation Max. Length [m]	50	50	50	50
	Installation Max. Height [m]	30.0	30.0	30.0	30.0
Refrigerant	Type	R22	R22	R22	R22
Power Supply [Indoor Unit] [φ, #, V, Hz]		1,220-240,50/60	1,220-240,50/60	1,220-240,50/60	1,220-240,50
Fan	Air Flow Rate (High / Mid / Low) [CMM]	35.00/32.00/29.00	39.00/36.00/33.00	44.00/39.00/35.00	41.18/35.44/28.87
	Sound Pressure (High / Mid / Low) [dB(A)]	40.0 / 37.0 / 34.0	40.0 / 37.0 / 33.0	40.0 / 37.0 / 33.0	47.0/45.0/43.0
Sound	Sound Power (Cooling) [dB(A)]	-	-	-	-
	Net Weight (kg)	32.50	38.00	38.00	52.00
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	1200 x 250 x 700	1300 x 300 x 700	1300 x 300 x 700	1200 x 360 x 650
	Additional Accessories	Drain Pump (Optionnel)	MDP-G075SP	MDP-G075SP	MDP-G075SP
Power Supply [Outdoor Unit] [φ, #, V, Hz]		3,4380-415,50	3,4380-415,50	3,4380-415,50	3,4380-415,50
Fan	Air Flow Rate (Cooling) [CMM]	90.00	90.00	90.00	-
	Sound Pressure (High / Mid / Low) [dB(A)]	53.0	53.0	54.0	56.0 / 66.0
Sound	Sound Power (Cooling) [dB(A)]	-	-	-	-
	Net Weight (kg)	90.00	90.00	90.00	98.00
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	932 x 1162 x 375	932 x 1162 x 375	932 x 1162 x 375	932 x 1128 x 375
	Operating Temp. Range	Cooling [°C]	21-54	21-54	21-54

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CAC

LSP Duct Specification



Model Code	Indoor	AC026MNLDKH/EU	AC035MNLDKH/EU	AC052MNLDKH/EU	AC071MNLDKH/EU
	Outdoor	AC026MXADKH/EU	AC035MXADKH/EU	AC052MXADKH/EU	AC071MXADKH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	0.95/2.60/3.50	1.00/3.50/4.10	1.20/5.00/6.00	2.20/7.10/8.00
	Cooling (Min / Std / Max) [Btu/h]	3,200 / 8,900 / 11,900	3,400 / 11,900 / 14,000	4,100 / 17,100 / 20,500	7,500 / 24,200 / 27,300
	Heating (Min / Std / Max) [kW]	0.98/3.30/4.30	1.00/4.00/5.00	1.10/6.00/7.20	1.90/8.00/9.00
	Heating (Min / Std / Max) [Btu/h]	3,300 / 11,300 / 14,700	3,400 / 13,600 / 17,100	3,800 / 20,500 / 24,600	6,500 / 27,300 / 30,700
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.24/0.76/1.20	0.24/1.20/1.50	0.35/1.74/2.20	0.35/2.33/3.95
	Heating (Min / Std / Max) [kW]	0.20/0.87/1.45	0.19/1.22/1.80	0.26/1.70/2.70	0.35/2.27/3.95
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.42	2.92	2.87	3.05
	COP (Nominal Heating) [W/W]	3.79	3.28	3.53	3.52
Piping Connections	Installation Max. Length [m]	20	20	30	50
	Installation Max. Height [m]	15	15	20	30
Refrigerant	Type	R410A	R410A	R410A	R410A
Power Supply [Indoor Unit] [Φ, #, V, Hz]		1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	9.0/8.2/7.4	9.5/8.5/7.5	13.5/11.5/9.5	19.0/14.5/10.0
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	32/29/26	33/30/27	33/30/27	37/32/27
	Sound Power (Cooling) [dB(A)]	53	53	55	59
External Dimension (Indoor Unit)	Net Weight (kg)	19.4	19.4	23.4	23.4
	Net Dimensions (WxHxD) [mm]	700 x 199 x 600	700 x 199 x 600	1100 x 200 x 450	1100 x 200 x 450
Additions/ Accessories	Drain Pump (Optionnel)	MDP-E075SEE3D	MDP-E075SEE3D	MDP-G075SP(External)	MDP-G075SP(External)
Power Supply [Outdoor Unit] [Φ, #, V, Hz]		1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	29	30	40	51
Sound	Sound Pressure (Cooling/Heating) [dB(A)]	46/47	48/48	48/48	49/51
	Sound Power (Cooling) [dB(A)]	59	61	62	65
External Dimension (Outdoor Unit)	Net Weight (kg)	32.8	32.8	43.8	53.0
	Net Dimensions (WxHxD) [mm]	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
Operating Temp. Range	Cooling [°C]	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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Individual
Controllers
Required
(Choices)



Drain Pump
(Optional)



LSP Duct Specification



Model Code	Indoor	AC026HBLDKH/EU	AC035HBLDKH/EU	AC052HBLDKH/EU	AC071HBLDKH/EU
	Outdoor	AC026HCADKH/EU	AC035HCADKH/EU	AC052HCADKH/EU	AC071HCADKH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling [kW]	0.95/2.60/3.50	0.98/3.50/4.10	1.20/5.00/6.00	2.00/7.10/8.00
	Cooling [Btu/h]	3,200/8,900/11,900	3,300/11,900/14,000	4,100/17,100/20,500	6,800/24,200/27,300
	Heating [kW]	0.95/3.30/4.30	0.99/4.00/5.00	1.10/6.00/7.20	1.50/8.00/9.00
	Heating [Btu/h]	3,200/11,300/14,700	3,400/13,600/17,100	3,800/20,500/24,600	5,100/27,300/30,700
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.29/0.70/1.17	0.33/1.15/1.35	0.35/1.56/2.20	0.47/2.21/3.00
	Heating (Min / Std / Max) [kW]	0.20/0.87/1.30	0.24/1.18/1.50	0.26/1.66/2.70	0.36/2.30/3.50
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.71	3.04	3.21	3.21
	COP (Nominal Heating) [W/W]	3.79	3.39	3.61	3.48
Piping Connections	Installation Max. Length [m]	20	20	30	50
	Installation Max. Height [m]	15.0	15.0	20.0	30.0
Refrigerant	Type	R410A	R410A	R410A	R410A
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	Air Flow Rate (High / Mid / Low) [CMM]	8.00/6.50/4.90	9.20/7.40/5.80	15.00/12.00/9.00	20.00/15.00/10.00
	Sound Pressure (High / Mid / Low) [dB(A)]	40.0 / 37.0 / 34.0	40.0 / 37.0 / 34.0	33.0 / 30.0 / 27.0	37.0 / 34.0 / 31.0
Sound	Sound Power (Cooling) [dB(A)]	53.0	53.0	55.0	59.0
	Net Weight (kg)	20.00	20.00	22.50	22.50
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	700 x 199 x 600	700 x 199 x 600	1100 x 200 x 450	1100 x 200 x 450
	Additional Accessories Drain Pump (Optional)	MDP-E075SEE3	MDP-E075SEE3	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
Fan	Air Flow Rate (Cooling) [CMM]	37.00	32.00	44.00	54.00
	Sound Pressure (Cooling/Heating) [dB(A)]	46.0 / 47.0	47.0 / 47.0	48.0 / 48.0	49.0 / 51.0
Sound	Sound Power (Cooling) [dB(A)]	63.0	63.0	63.0	65.0
	Net Weight (kg)	29.50	29.50	45.00	55.00
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	720 x 548 x 265	720 x 548 x 265	880 x 638 x 310	880 x 798 x 310
	Operating Temp. Range				
Operating Temp. Range	Cooling [°C]	-15~50	-15~50	-15~50	-15~50
	Heating [°C]	-20~24	-20~24	-20~24	-20~24

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Individual
Controllers
Required
(Choices)



MWR-WE13 MWR-WH00 MWR-WH02 AR-EH03E MRK-A10N

Drain Pump
(Optional)



MDP-E075SEE3 MDP-G075SP (External Type)

Console & Ceiling Specification



Model Code	Indoor	AC026MNJDKH/EU	AC035MNJDKH/EU	AC052MNJDKH/EU
	Outdoor	AC026MXADKH/EU	AC035MXADKH/EU	AC052MXADKH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	0.98/2.60/3.40	1.15/3.50/3.90	1.90/5.00/5.50
	Cooling (Min / Std / Max) [Btu/h]	3,300 / 8,900 / 11,600	3,900 / 11,900 / 13,300	6,500 / 17,100 / 18,800
	Heating (Min / Std / Max) [kW]	0.95/3.50/4.20	1.05/4.00/4.60	1.50/5.60/6.50
	Heating (Min / Std / Max) [Btu/h]	3,200 / 11,900 / 14,300	3,600 / 13,600 / 15,700	5,100 / 19,100 / 22,200
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.23/0.70/1.20	0.25/1.09/1.50	0.25/1.75/2.20
	Heating (Min / Std / Max) [kW]	0.21/1.00/1.45	0.21/1.21/1.80	0.25/1.73/2.50
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.71	3.21	2.86
	COP (Nominal Heating) [W/W]	3.50	3.31	3.24
Piping Connections	Installation Max. Length [m]	20	20	30
	Installation Max. Height [m]	15	15	20
Refrigerant	Type	R410A	R410A	R410A
Power Supply [Indoor Unit] [Φ, #, V, Hz]		1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	7.5/6.8/6.0	8.5/7.2/6.2	9.0/8.0/7.0
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36/31/26/23	38/34/30/24	43/39/35/25
	Sound Power (Cooling) [dB(A)]	53	55	60
External Dimension (Indoor Unit)	Net Weight (kg)	16.0	16.0	16.2
	Net Dimensions (WxHxD) [mm]	720 x 199 x 620	720 x 199 x 620	720 x 199 x 620
Power Supply [Outdoor Unit] [Φ, #, V, Hz]		1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	29	30	40
Sound	Sound Pressure (Cooling/Heating) [dB(A)]	46/47	48/48	48/48
	Sound Power (Cooling) [dB(A)]	59	61	62
External Dimension (Outdoor Unit)	Net Weight (kg)	32.8	32.8	43.8
	Net Dimensions (WxHxD) [mm]	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310
Operating Temp. Range	Cooling [°C]	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24

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Individual Controllers (Optional)

MWR-WE13N MWR-SH10N MWR-SH00N

Wireless Remote Controller (Included)

MR-EH00

Ceiling Specification



Model Code	Indoor	AC052MNCDKH/EU	AC071MNCDKH/EU	AC100MNCDKH/EU	AC100MNCDKH/EU
	Outdoor	AC052MXADKH/EU	AC071MXADKH/EU	AC100MXADKH/EU	AC100MXADNH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	1.70/5.00/5.60	2.20/7.10/8.00	3.00/10.00/12.00	3.00/10.00/12.00
	Cooling (Min / Std / Max) [Btu/h]	5,800 / 17,100 / 19,100	7,500 / 24,200 / 27,300	10,200 / 34,100 / 40,900	10,200 / 34,100 / 40,900
	Heating (Min / Std / Max) [kW]	1.70/6.00/7.70	1.90/8.00/9.00	2.20/11.20/15.50	2.20/11.20/15.50
	Heating (Min / Std / Max) [Btu/h]	5,800 / 20,500 / 26,300	6,500 / 27,300 / 30,700	7,500 / 38,200 / 52,900	7,500 / 38,200 / 52,900
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.48/1.64/1.90	0.35/2.93/3.95	0.60/3.40/4.70	0.60/3.40/4.70
	Heating (Min / Std / Max) [kW]	0.43/1.78/3.05	0.35/2.92/3.95	0.46/3.20/5.40	0.46/3.20/5.40
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.05	2.42	2.94	2.94
	COP (Nominal Heating) [W/W]	3.37	2.74	3.50	3.50
Piping Connections	Installation Max. Length [m]	30	50	50	50
	Installation Max. Height [m]	30	30	30	30
Refrigerant	Type	R410A	R410A	R410A	R410A
Power Supply [Indoor Unit] [Φ, #, V, Hz]		1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	12.6/11.3/10.0	15.2/14.1/13.1	26.0/23.0/19.0	26.0/23.0/19.0
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	41/39/36	46/44/42	42/38/34	42/38/34
	Sound Power (Cooling) [dB(A)]	60	64	60	60
External Dimension (Indoor Unit)	Net Weight (kg)	20.0	20.0	41.4	41.4
	Net Dimensions (WxHxD) [mm]	1000 x 200 x 650	1000 x 200 x 650	1650 x 235 x 675	1650 x 235 x 675
Power Supply [Outdoor Unit] [Φ, #, V, Hz]		1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	3Φ, 4, 380-415V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	40	51	78	78
Sound	Sound Pressure (Cooling/Heating) [dB(A)]	48/48	49/51	52/54	52/54
	Sound Power (Cooling) [dB(A)]	62	65	69	69
External Dimension (Outdoor Unit)	Net Weight (kg)	43.8	53.0	72.0	72.0
	Net Dimensions (WxHxD) [mm]	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330
Operating Temp. Range	Cooling [°C]	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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Individual Controllers Required (Choices)

MWR-WE13N MWR-SH10N MWR-SH00N AR-EH03E (AC100MNCDKH/EU)

Wireless Remote Controller (Included)

MR-EH00 (AC052MNCDKH/EU) (AC071MNCDKH/EU)

Ceiling Specification



Model Code	Indoor	AC120MNCDKH/EU	AC120MNCDKH/EU	AC140MNCDKH/EU	AC140MNCDKH/EU	AC160JNCDEH/EU
	Outdoor	AC120MXADKH/EU	AC120MXADNH/EU	AC140MXADKH/EU	AC140MXADNH/EU	AC160JXADGH/EU
System	Mode	Heat Pump		Heat Pump		Heat Pump
Capacity	Cooling (Min / Std / Max) [kW]	3.50/12.00/13.50	3.50/12.00/13.50	3.50/13.40/15.50	3.50/13.40/15.50	4.30/15.00/17.30
	Cooling (Min / Std / Max) [Btu/h]	11,900 / 40,900 / 46,100	11,900 / 40,900 / 46,100	11,900 / 45,700 / 52,900	11,900 / 45,700 / 52,900	14,700/51,200/59,000
	Heating (Min / Std / Max) [kW]	3.80/13.00/16.50	3.80/13.00/16.50	3.50/15.50/18.00	3.50/15.50/18.00	4.70/17.50/19.00
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.90/4.60/5.50	0.90/4.55/5.50	0.80/4.45/6.44	0.80/4.45/7.90	0.90/5.28/6.40
	Heating (Min / Std / Max) [kW]	0.70/3.80/5.60	0.70/3.80/5.90	0.70/4.54/7.36	0.70/4.54/7.90	0.80/4.86/6.50
Energy Efficiency	EER (Nominal Cooling) [W/W]	2.61	2.64	3.01	3.01	2.84
	COP (Nominal Heating) [W/W]	3.42	3.42	3.41	3.41	3.60
Piping Connections	Installation Max. Length [m]	50	50	75	75	75
	Installation Max. Height [m]	30	30	30	30	30.0
Refrigerant	Type	R410A		R410A		R410A
Power Supply [Indoor Unit] [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz		1φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	30.0/24.0/20.0	30.0/24.0/20.0	34.0/27.0/23.0	34.0/27.0/23.0	37.00/31.00/26.00
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	44/41/37	44/41/37	46/42/38	46/42/38	51.0 / 47.0 / 44.0
	Sound Power (Cooling) [dB(A)]	62	62	64	64	68.0
External Dimension (Indoor Unit)	Net Weight (kg)	41.4	41.4	41.4	41.4	42.00
	Net Dimensions (WxHxD) [mm]	1650 x 235 x 675		1650 x 235 x 675		1650 x 675 x 235
Power Supply [Outdoor Unit] [φ, #, V, Hz]		1φ, 2, 220-240V, 50Hz	3φ, 4, 380-415V, 50Hz	1φ, 2, 220-240V, 50Hz	3φ, 4, 380-415V, 50Hz	3,4,380-415,50
Fan	Air Flow Rate (Cooling) [CMM]	78	78	111	111	115.00
Sound	Sound Pressure (Cooling/Heating) [dB(A)]	54/56	54/56	53/54	53/54	56.0 / 58.0
	Sound Power (Cooling) [dB(A)]	70	70	69	69	73.0
External Dimension (Outdoor Unit)	Net Weight (kg)	77.0	77.0	87.0	87.0	96.00
	Net Dimensions (WxHxD) [mm]	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1420 x 330
Operating Temp. Range	Cooling [°C]	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15~50
	Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20~24

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Individual Controllers Required (Choices)



MWR-WE13N MWR-SH10N MWR-SH00N AR-EH03E

Maldives White Specification



Model Code	Indoor	AC052FBRDEH/EU	AC071FBRDEH/EU
	Outdoor	AC052FCADEH/EU	AC071FCADEH/EU
System	Mode	Heat Pump	
Capacity	Cooling (Min / Std / Max) [kW]	1.90/5.00/6.05	2.20/7.10/8.00
	Cooling (Min / Std / Max) [Btu/h]	6,500/17,100/20,600	7,500/24,200/27,300
	Heating (Min / Std / Max) [kW]	1.50/6.00/6.25	1.90/8.00/9.00
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.40/1.61/2.20	0.35/2.36/4.00
	Heating (Min / Std / Max) [kW]	0.34/1.76/3.15	0.35/2.85/4.00
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.11	3.01
	COP (Nominal Heating) [W/W]	3.41	2.81
Piping Connections	Installation Max. Length [m]	30	50
	Installation Max. Height [m]	20.0	30.0
Refrigerant	Type	R410A	
Power Supply [Indoor Unit] [φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Air Flow Rate (High / Mid / Low) [CMM]	15.00/13.20/11.50	16.50/15.00/13.50
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40.0 / 35.0 / 30.0	44.0 / 37.0 / 31.0
	Sound Power (Cooling) [dB(A)]	60.0	63.0
External Dimension (Indoor Unit)	Net Weight (kg)	11.50	11.50
	Net Dimensions (WxHxD) [mm]	1065 x 298 x 230	1065 x 298 x 230
Power Supply [Outdoor Unit] [φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
Fan	Air Flow Rate (Cooling) [CMM]	33.00	52.00
Sound	Sound Pressure (Cooling/Heating) [dB(A)]	49.0 / 49.0	49.0 / 51.0
	Sound Power (Cooling) [dB(A)]	64.0	67.0
External Dimension (Outdoor Unit)	Net Weight (kg)	38.50	54.50
	Net Dimensions (WxHxD) [mm]	790 x 548 x 285	880 x 798 x 310
Operating Temp. Range	Cooling [°C]	-15~46	-15~50
	Heating [°C]	-15~24	-20~24

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Individual Controllers (Optional)



MWR-WE13 MWR-WHO* MWR-SH00 MIM-A00 (for wired control)

Wireless Remote Controller (Included)



MR-DH00

A3050

Specification



Model Code	Indoor	AC026MNADKH/EU	AC035MNADKH/EU	AC052MNADKH/EU	AC071MNADKH/EU
	Outdoor	AC026MXADKH/EU	AC035MXADKH/EU	AC052MXADKH/EU	AC071MXADKH/EU
System	Mode	Heat Pump	Heat Pump	Heat Pump	Heat Pump
Capacity	Cooling [kW]	1.10/2.60/3.40	1.20/3.50/3.90	1.90/5.00/5.60	2.20/7.10/8.00
	Cooling [Btu/h]	3,800 / 8,900 / 11,600	4,100 / 11,900 / 13,300	6,500 / 17,100 / 19,100	7,500 / 24,200 / 27,300
	Heating [kW]	1.00/3.30/4.00	1.10/4.00/4.70	1.50/6.00/6.25	1.90/8.00/9.00
	Heating [Btu/h]	3,400 / 11,300 / 13,600	3,800 / 13,600 / 16,000	5,100 / 20,500 / 21,300	6,500 / 27,300 / 30,700
Power Input (Nominal)	Cooling (Min / Std / Max) [kW]	0.24/0.74/1.20	0.25/1.10/1.60	0.40/2.20/2.30	0.35/2.52/3.95
	Heating (Min / Std / Max) [kW]	0.21/1.00/1.45	0.23/1.60/1.80	0.34/1.90/3.15	0.35/2.55/3.95
Energy Efficiency	EER (Nominal Cooling) [W/W]	3.51	3.18	2.27	2.82
	COP (Nominal Heating) [W/W]	3.30	2.50	3.16	3.14
Piping Connections	Installation Max. Length [m]	20	20	30	50
	Installation Max. Height [m]	15	15	20	30
Refrigerant	Type	R410A	R410A	R410A	R410A
Power Supply [Indoor Unit] [Φ, #, V, Hz]		1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (High / Mid / Low) [CMM]	7.7/6.2/5.0	8.5/7.2/5.8	10.7/9.0/7.2	17.1/14.5/12.4
	Sound Pressure (High / Mid / Low) [dB(A)]	36/30/24/18	38/32/26/20	42/37/32/25	43/39/35/30
Sound	Sound Power (Cooling) [dB(A)]	56	59	60	61
	Net Weight (kg)	7.6	7.6	10.8	14.4
External Dimension (Indoor Unit)	Net Dimensions (WxHxD) [mm]	750 x 249 x 246	750 x 249 x 246	896 x 261 x 261	1065 x 294 x 301
	Power Supply [Outdoor Unit] [Φ, #, V, Hz]	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz	1Φ, 2, 220-240V, 50Hz
Fan	Air Flow Rate (Cooling) [CMM]	29	30	40	51
	Sound Pressure (Cooling/Heating) [dB(A)]	46/47	48/48	48/48	49/51
Sound	Sound Power (Cooling) [dB(A)]	59	61	62	65
	Net Weight (kg)	32.8	32.8	43.8	53.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
	Operating Temp. Range	Cooling [°C]	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating [°C]	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

*Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

Individual
Controllers
(Optional)



MWR-WE13N MWR-SH10N MWR-SH00N

Wireless
Remote
Controller
(Included)



MR-EH00

FJM (Free Joint Multi)



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 optimized cooling system for residences and smaller buildings with limited installation space. Its lightweight, small-scale build and one-button auto-addressing enable easy and 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 minimize 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 comfort and control with energy and cost-efficient technologies

Featuring a suite of energy-optimizing 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

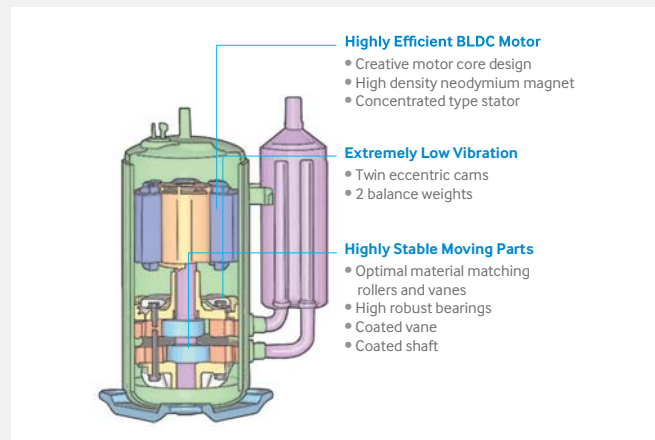
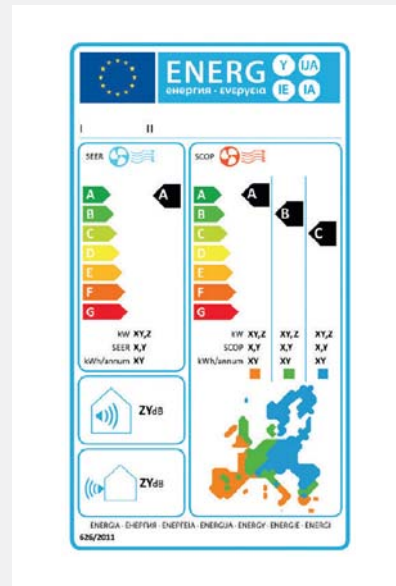
Samsung Free Joint Multi adopts the innovative Twin Brushless Direct Current (BLDC) rotary compressor for more efficient performance. Its stable twin eccentric cams and two balance weights reduce torque variation by 70 percent compared to the conventional Single BLDC compressor, offering smoother and 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.

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.



FJM


Line-up

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

Cassette

Model			
Capacity	1.6	•	
	2.0	•	
	2.6	•	•
	3.5	•	•
	5.2	•	•


Console

Model	
Capacity	2.6
	3.5
	5.2

Duct

Model		
Capacity	2.6	
	3.5	•
	5.2	•

Wall Mounted

Model	
Capacity	2.0
	2.5
	3.5
	5.0
	6.8

Concerning exact capacity for each model above, please refer to the specification sheet in detail.

FJM

Specification



Model Code		AJ040MCJ2EH/TK	AJ050MCJ2EH/TK	AJ052MCJ3EH/TK
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)	HP	1.50	1.80	2.00
Capacity	Cooling [kW]	4.00	5.00	5.20
	Cooling [Btu/h]	13,600	17,100	17,700
	Heating [kW]	4.40	5.70	6.30
	Heating [Btu/h]	15,000	19,400	21,500
Power Input (Nominal)	Cooling 1) [kW]	1.02	1.32	1.35
	Heating 2) [kW]	0.99	1.35	1.40
COP	Nominal Cooling	3.92	3.79	3.85
	Nominal Heating	4.44	4.22	4.50
Fan	Air Flow Rate [CMM]	29.7	33.1	38.0
Piping Connections	Installation Max. Length [Φ, mm x EA]	20	20	20
	Installation Max. Height [Φ, inch x EA]	15	15	15
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	45	46	46
	Sound Power [dB(A)]	61	61	61
External Dimension (Outdoor Unit)	Net Weight [kg]	31.0	36.4	44.0
	Net Dimensions (WxHxD) [mm]	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310
Operating Temp. Range	Cooling [°C]	-5.0 ~ 46.0	-5.0 ~ 46.0	-5.0 ~ 46.0
	Heating [°C]	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0

Model Code		AJ068MCJ3EH/TK	AJ070MCJ4EH/TK	AJ080MCJ4EH/TK	AJ100MCJ5EH/TK
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
System	Mode	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance (Nominal)	HP	2.50	2.50	3.00	3.5
Capacity	Cooling [kW]	6.80	7.00	8.00	10.00
	Cooling [Btu/h]	23,200	23,900	27,300	34,100
	Heating [kW]	8.00	8.60	9.3	12.0
	Heating [Btu/h]	27,300	29,300	31,700	40,900
Power Input (Nominal)	Cooling 1) [kW]	2.00	1.90	2.30	2.90
	Heating 2) [kW]	1.91	2.00	2.20	2.93
COP	Nominal Cooling	3.40	3.68	3.68	3.45
	Nominal Heating	4.19	4.30	4.30	4.10
Fan	Air Flow Rate [CMM]	47.5	44.8	45.4	70.6
Piping Connections	Installation Max. Length [Φ, mm x EA]	20	25	25	25
	Installation Max. Height [Φ, inch x EA]	15	15	15	15
Refrigerant	Type	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	48	48	49	54
	Sound Power [dB(A)]	64	64	64	70
External Dimension (Outdoor Unit)	Net Weight [kg]	55.6	62.0	62.0	77.0
	Net Dimensions (WxHxD) [mm]	880 x 793 x 310	880 x 793 x 310	880 x 793 x 310	940 x 998 x 330
Operating Temp. Range	Cooling [°C]	-5.0 ~ 46.0	-5.0 ~ 46.0	-5.0 ~ 46.0	-10.0 ~ 46.0
	Heating [°C]	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0

* Nominal Cooling : Indoor temperature 27°C DB / 19°C WB, Outdoor temperature 35°C DB / 24°C WB, Pipe length 5m, Level difference 0m.

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

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4 Way Cassette (600x600)

Specification



Model Code		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	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
	Cooling 2) [kW]	1.60	2.00	2.60	3.50	5.20
Capacity	Cooling 2) [Btu/h]	5,500	6,800	8,900	11,900	17,700
	Heating 2) [kW]	2.00	2.20	2.90	3.80	5.60
	Heating 2) [Btu/h]	6,800	7,500	9,900	13,000	19,100
	Cooling 1) [W]	19.00	19.00	19.00	22.00	28.00
Power Input (Nominal)	Heating 2) [W]	19.00	19.00	19.00	22.00	28.00
	Air Flow Rate (High / Mid / Low) [CMM]	9.90/8.20/6.90	9.90/8.20/6.90	9.90/8.20/6.90	10.70/9.00/7.40	12.40/10.70/9.00
Piping Connections	Drain Pipe (Φ,mm)	VP 25 (OD 32, ID 25)	VP 25 (OD 32, ID 25)	VP 25 (OD 32, ID 25)	VP 25 (OD 32, ID 25)	VP 25 (OD 32, ID 25)
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33.0/29.0/24.0	33.0/29.0/24.0	34.0/30.0/25.0	36.0/33.0/29.0	40.0/36.0/32.0
	Sound Power (Cooling) [dB(A)]	47.0	47.0	47.0	49.0	55.0
External Dimension (Indoor Unit)	Net Weight [kg]	11.00	11.00	11.00	11.00	11.70
	Net Dimensions (WxHxD) [mm]	575x250x575	575x250x575	575x250x575	575x250x575	575x250x575

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Individual Controllers Required (Choices)



Panel Required (Choices)



Wind-Free™ 4 Way Cassette (600x600)

Specification



Model Code		AJ020NBNDDEH/TK	AJ026NBNDDEH/TK	AJ035NBNDDEH/TK	AJ052NBNDDEH/TK
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	HP	HP	HP
	Cooling [kW]	2.00	2.60	3.50	5.20
Capacity	Cooling [Btu/h]	6,800	8,900	11,900	17,700
	Heating [kW]	2.20	2.90	3.80	5.60
	Heating [Btu/h]	7,500	9,900	13,000	19,100
	Cooling 1) [W]	19.00	19.00	22.00	28.00
Power Input (Nominal)	Heating 2) [W]	19.00	19.00	22.00	28.00
	Air Flow Rate (High / Mid / Low) [CMM]	9.00/8.20/6.90	9.00/8.20/6.90	10.50/9.00/7.40	10.50/9.00/7.40
Piping Connections	Liquid Pipe (Φ, mm)	6.35	6.35	6.35	6.35
	Gas Pipe (Φ, mm)	9.52	9.52	9.52	12.70
	Drain Pipe (Φ,mm)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Refrigerant	Type	R410A	R410A	R410A	R410A
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	33/29/24	33/29/24	35/31/27	39/36/32
	Sound Power [dB(A)]	49	49	53	55
External Dimension (Indoor Unit)	Net Weight [kg]	11.5	11.5	11.5	11.8
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel model	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Panel Net Weight [kg]	2.7	2.7	2.7	2.7
	Shipping Weight [kg]	3.9	3.9	3.9	3.9
	Dimensions (WxHxD) [mm]	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620	620 x 57 x 620
	Shipping Dimensions (WxHxD) [mm]	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655	670 x 120 x 655

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Individual Controllers Required (Choices)



Panel Required (Choices)



Motion Detect Sensor (Optional)



1 Way Cassette

Specification



Model Code		AJ026MB1DEH/TK	AJ035MB1DEH/TK
Power Supply (Indoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP	HP
Capacity	Cooling 2) [kW]	2.6	3.5
	Cooling 2) [Btu/h]	8,900	11,900
	Heating 2) [kW]	2.9	3.8
	Heating 2) [Btu/h]	9,900	13,000
Power Input (Nominal)	Cooling 1) [W]	45	50
	Heating 2) [W]	45	50
Fan	Air Flow Rate (High / Mid / Low) [CMM]	6.2 / 5.2 / 4.2	7.6 / 6.6 / 5.6
Piping Connections	Drain Pipe (Φ,mm)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)
Refrigerant	Type	R410A	R410A
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	31 / 28 / 25	36 / 33 / 30
	Sound Power (Cooling) [dB(A)]	53	53
External Dimension (Indoor Unit)	Net Weight [kg]	10.0	10.0
	Net Dimensions (WxHxD) [mm]	970 x 135 x 410	970 x 135 x 410
Additional Accessories	Drain pump	Included	Included
	Air Filter	Removable / Washable	Removable / Washable

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Individual
Controllers
Required
(Choices)



Panel
Required
(Choices)



Console

Specification



Model Code		MH026FJEA	MH035FJEA	MH052FJEA
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 2) [kW]	2.60	3.50	5.20
	Cooling 2) [Btu/h]	8,900	11,900	17,700
	Heating 2) [kW]	2.90	3.80	5.60
	Heating 2) [Btu/h]	9,900	13,000	19,100
Power Input (Nominal)	Cooling 1) [W]	30.00	35.00	50.00
	Heating 2) [W]	30.00	35.00	50.00
Fan	Air Flow Rate (High / Mid / Low) [CMM]	9.00/7.80/6.70	10.50/9.30/8.20	11.20/9.90/8.60
Piping Connections	Drain Pipe (Φ,mm)	VP18 (OD 19,ID 16)	VP18 (OD 19,ID 16)	VP18 (OD 19,ID 16)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	36.0/31.0/23.0	38.0/35.0/24.0	43.0/39.0/32.0
	Sound Power (Cooling) [dB(A)]	53.0	57.0	60.0
External Dimension (Indoor Unit)	Net Weight [kg]	15.70	15.70	15.70
	Net Dimensions (WxHxD) [mm]	720x199x620	720x199x620	720x199x620
Additional Accessories	Drain pump	-	-	-

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Individual
Controllers
(Optional)



Wireless
Remote
Controller
(Included)



Duct Specification



Model Code	AJ026MBLDEH/TK	AJ035MBLDEH/TK	AJ052MBMDEH/TK	
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	HP	HP	
Capacity	Cooling 2) [kW]	2.6	3.5	5.2
	Cooling 2) [Btu/h]	8,900	11,900	17,700
	Heating 2) [kW]	2.9	3.8	5.6
	Heating 2) [Btu/h]	9,900	13,000	19,100
Power Input (Nominal)	Cooling 1) [W]	80	80	170
	Heating 2) [W]	80	80	170
Fan	Air Flow Rate (High / Mid / Low) [CMM]	8.6 / 7.6 / 6.6	9.8 / 8.8 / 7.8	16.3 / 15.0 / 13.5
Piping Connections	Drain Pipe (Φ,mm)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Refrigerant	Type	R410A	R410A	R410A
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	30 / 28 / 25	32 / 30 / 27	42 / 41 / 39
	Sound Power (Cooling) [dB(A)]	53	53	59
External Dimension (Indoor Unit)	Net Weight [kg]	23.4	23.5	28.3
	Net Dimensions (WxHxD) [mm]	900 x 199 x 600	900 x 199 x 600	900 x 260 x 480
Additional Accessories	Drain pump (Optional)	MDP-E075SEE3	MDP-E075SEE3	MDP-M075SGU3
	Air Filter	Removable / Washable	Removable / Washable	Removable / Washable

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Individual Controller Required (Choices)



Drain Pump



Wall Mounted (Maldives) Specification



Model Code	AJ020MBRDEH/TK	AJ025MBRDEH/TK	AJ035MBRDEH/TK	AJ050MBRDEH/TK	AJ068MBRDEH/TK	
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	HP	HP	HP	HP	HP	
Capacity	Cooling 2) [kW]	2.00	2.50	3.50	5.00	6.80
	Cooling 2) [Btu/h]	6,800	8,500	11,900	17,100	23,200
	Heating 2) [kW]	2.20	3.20	4.00	6.00	7.80
	Heating 2) [Btu/h]	7,500	10,900	13,600	20,500	26,600
Power Input (Nominal)	Cooling 1) [W]	30	30	30	40	60
	Heating 2) [W]	30	30	30	40	60
Fan	Air Flow Rate (High / Mid / Low) [CMM]	8.0/-/-	9.0/-/-	10.0/-/-	14.2/-/-	17.8/-/-
Piping Connections	Drain Pipe (Φ,mm)	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	38/28/21	38/28/21	42/33/23	42/34/25	45/35/29
	Sound Power (Cooling) [dB(A)]	56	56	59	58	63
External Dimension (Indoor Unit)	Net Weight [kg]	8.0	8.0	8.0	11.4	11.4
	Net Dimensions (WxHxD) [mm]	820 x 285 x 215	820 x 285 x 215	820 x 285 x 215	1,065 x 298 x 230	1,065 x 298 x 230

* Nominal Cooling : Indoor temperature 27°C DB / 19°C WB, Outdoor temperature 35°C DB / 24°C WB, Pipe length 5m, Level difference 0m.

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

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Individual Controllers (Optional)



Wireless Remote Controller (Included)

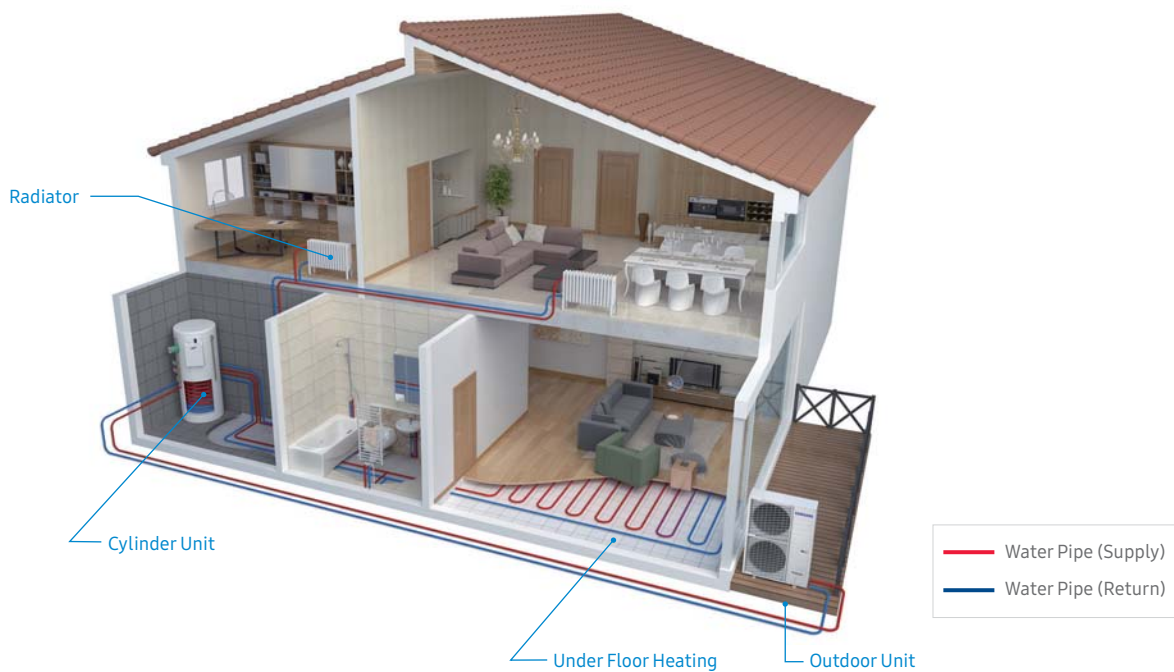




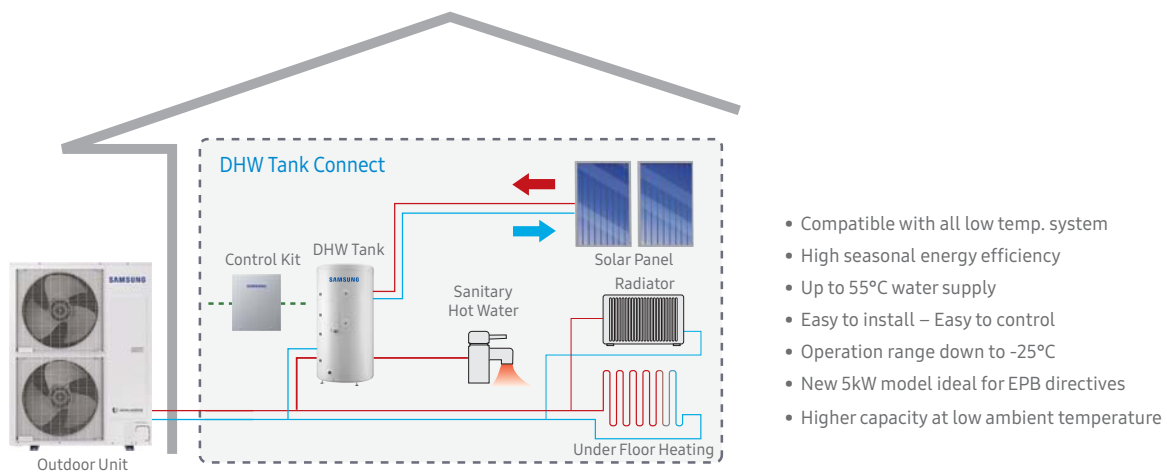
EHS (Eco Heating System)

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 the hydronic units and the refrigerant pipes.



EHS Mono Process Overview (Air-to-Water)



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.

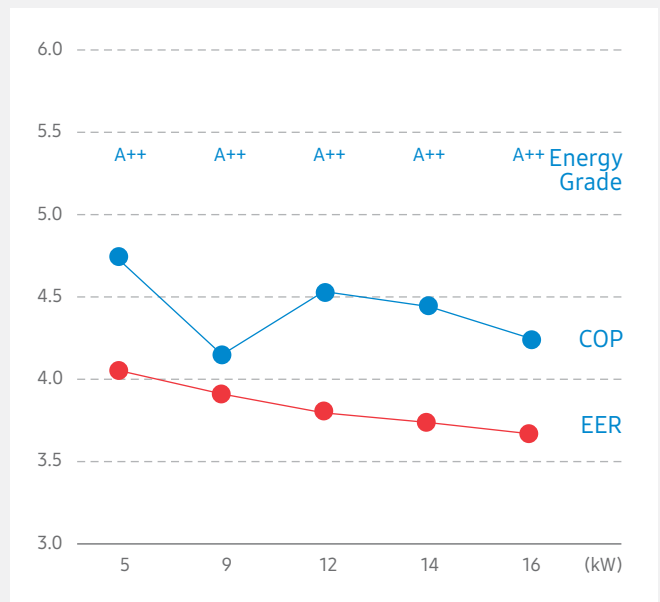
EHS Mono System	Competitor Mono System	
	Company A	Company B
Space: 0.310m ² – 40% Smaller Volume: 0.440m ³ – 40% More Compact Weight: 103kg – 40% Less Weight	WxHxD (mm): 1435 x 1418 x 382 Space: 0.584m ² Volume: 0.777m ³ Weight: 180kg	WxHxD (mm): 1020 x 1350 x 330 Space: 0.337m ² Volume: 0.454m ³ Weight: 148kg

Control kit

Control Kit is an interface to allow connections 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 are required.



Efficiency (EHS Mono)



EHS

Specification



Model Code		AE050JXYDEH/EU	AE090JXYDEH/EU	AE120JXYDEH/EU	AE140JXYDEH/EU
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
System	Mode	HEAT PUMP (A2W)	HEAT PUMP (A2W)	HEAT PUMP (A2W)	HEAT PUMP (A2W)
Capacity (Nominal)	Heating (Min/Std/Max) [W]	1,667 / 5,000 / 5,000	2,200 / 9,000 / 9,000	3,750 / 12,000 / 12,000	3,750 / 14,000 / 14,000
	Cooling (Min/Std/Max) [W]	1,625 / 5,000 / 5,000	1,750 / 7,500 / 7,500	3,300 / 12,000 / 12,000	3,300 / 13,000 / 13,000
Power Input (Nominal)	Heating (Min/Std/Max) [W]	348 / 1,060 / 1,060	490 / 2,140 / 2,140	809 / 2,660 / 2,660	809 / 3,140 / 3,140
	Cooling (Min/Std/Max) [W]	438 / 1,210 / 1,210	480 / 1,950 / 1,950	853 / 3,160 / 3,160	853 / 3,500 / 3,500
Performance (A2W #1)	COP (Heating) [W/W]	4.72	4.21	4.51	4.46
	EER (Cooling) [W/W]	4.13	3.85	3.80	3.71
	SCOP(35°C) [W/W]	4.50	4.41	4.46	4.43
	ESEER [W/W]	5.29	5.07	4.98	4.97
Performance (A2W, Low Temperature)	A2/W35 Heating Capacity [W]	4,500	7,000	9,800	11,200
	A2/W35 COP [W/W]	3.46	3.00	3.32	3.26
	A-7/W35 Heating Capacity [W]	4,700	7,600	10,300	10,800
	A-7/W35 COP [W/W]	2.69	2.39	2.61	2.56
Electric Specification	MCA [A]	20.0	22.0	28.0	30.0
	MFA [A]	25.0	27.5	35.0	37.5
Refrigerant Side	Compressor (Type)	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary
	Oil (Type)	POE	POE	PVE	PVE
	Refrigerant (Type)	R410A	R410A	R410A	R410A
	Refrigerant Factory Charging [g]	1,150	1,400	2,600	2,600
Base Heater	Capacity [W]	-	150	150	150
Sound	Sound Pressure Heating [dB(A)]	45	48	50	51
	Sound Pressure Cooling [dB(A)]	45	48	50	52
	Sound Power [dB(A)]	61	63	64	65
External Dimension	Weight Net [kg]	59	76	108	108
	Weight Gross [kg]	63	84	118	118
	Dimensions (WxHxD) Net [mm]	880 x 798 x 310	940 x 998 x 330	940 x 1,420 x 330	940 x 1,420 x 330
	Dimensions (WxHxD) Gross [mm]	1,023 x 937 x 413	995 x 1,178 x 426	995 x 1,598 x 426	995 x 1,598 x 426
Operating Temp. Range	Ambient (A2W) Heating [°C]	-25~35	-25~35	-25~35	-25~35
	Ambient (A2W) Cooling [°C]	10~46	10~46	10~46	10~46
	Ambient (A2W) DHW [°C]	-25~43	-25~43	-25~43	-25~43
	Leaving Water Heating (°C)	25~55	25~55	25~55	25~55
	Leaving Water Cooling (°C)	5~25	5~25	5~25	5~25

*Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

Accessories
(Optional)



Control kit

MIM-E03AN (9~16kW)
MIM-E03BN (5kW)

Wired Remote
Controller
(Required)



MWR-WW00

Included in Control Kit

EHS

Specification



Model Code		AE160JXYDEH/EU	AE090JXYDGH/EU	AE120JXYDGH/EU	AE140JXYDGH/EU	AE160JXYDGH/EU	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1, 2, 220-240, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	
System	Mode	HEAT PUMP (A2W)	HEAT PUMP (A2W)	HEAT PUMP (A2W)	HEAT PUMP (A2W)	HEAT PUMP (A2W)	
Capacity (Nominal)	Heating (Min/Std/Max) [W]	3,750 / 16,000 / 16,000	2,200 / 9,000 / 9,000	3,750 / 12,000 / 12,000	3,750 / 14,000 / 14,000	3,750 / 16,000 / 16,000	
	Cooling (Min/Std/Max) [W]	3,300 / 14,000 / 14,000	1,750 / 7,000 / 7,000	3,300 / 12,000 / 12,000	3,300 / 13,000 / 13,000	3,300 / 14,000 / 14,000	
Power Input (Nominal)	Heating (Min/Std/Max) [W]	809 / 3,800 / 3,800	490 / 2,140 / 2,140	809 / 2,660 / 2,660	809 / 3,140 / 3,140	809 / 3,800 / 3,800	
	Cooling (Min/Std/Max) [W]	853 / 3,840 / 3,840	480 / 1,920 / 1,920	853 / 3,160 / 3,160	853 / 3,500 / 3,500	853 / 3,840 / 3,840	
Performance (A2W #1)	COP (Heating) [W/W]	4.21	4.21	4.51	4.46	4.21	
	EER (Cooling) [W/W]	3.65	3.65	3.80	3.71	3.65	
	SCOP(35°C) [W/W]	4.41	4.41	4.46	4.43	4.41	
	ESEER [W/W]	4.92	4.69	4.98	4.97	4.92	
Performance (A2W, Low Temperature)	A2/W35	Heating Capacity [W]	12,500	7,000	9,800	11,200	12,500
		COP [W/W]	3.10	3.00	3.32	3.26	3.10
	A-7/W35	Heating Capacity [W]	13,400	7,600	10,300	10,800	13,400
		COP [W/W]	2.47	2.39	2.61	2.56	2.47
Electric Specification	MCA [A]	32.0	10.0	10.0	12.0	12.0	
	MFA [A]	40.0	16.1	16.1	16.1	16.1	
Refrigerant Side	Compressor (Type)	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	BLDC Twin Rotary	
	Oil (Type)	PVE	PVE	PVE	PVE	PVE	
	Refrigerant (Type)	R410A	R410A	R410A	R410A	R410A	
	Refrigerant Factory Charging [g]	2,600	1,500	2,600	2,600	2,600	
Base Heater	Capacity [W]	150	150	150	150	150	
Sound	Sound Pressure Heating [dB(A)]	52	48	50	51	52	
	Sound Pressure Cooling [dB(A)]	54	48	50	52	54	
	Sound Power [dB(A)]	66	63	64	65	66	
External Dimension	Weight Net [kg]	108	76	108	108	108	
	Weight Gross [kg]	118	84	118	118	118	
	Dimensions (WxHxD) Net [mm]	940 x 1,420 x 330	940 x 998 x 330	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330	
	Dimensions (WxHxD) Gross [mm]	995 x 1,598 x 426	995 x 1,178 x 426	995 x 1598 x 426	995 x 1598 x 426	995 x 1598 x 426	
Operating Temp. Range	Ambient (A2W) Heating [°C]	-25~35	-25~35	-25~35	-25~35	-25~35	
	Ambient (A2W) Cooling [°C]	10~46	10~46	10~46	10~46	10~46	
	Ambient (A2W) DHW [°C]	-25~43	-25~43	-25~43	-25~43	-25~43	
	Leaving Water Heating (°C)	25~55	25~55	25~55	25~55	25~55	
	Leaving Water Cooling (°C)	5~25	5~25	5~25	5~25	5~25	

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EIM

Accessories (Optional)



MIM-E03AN (9-16kW)
MIM-E03BN (5kW)

Control kit

Wired Remote Controller (Required)



Included in Control Kit

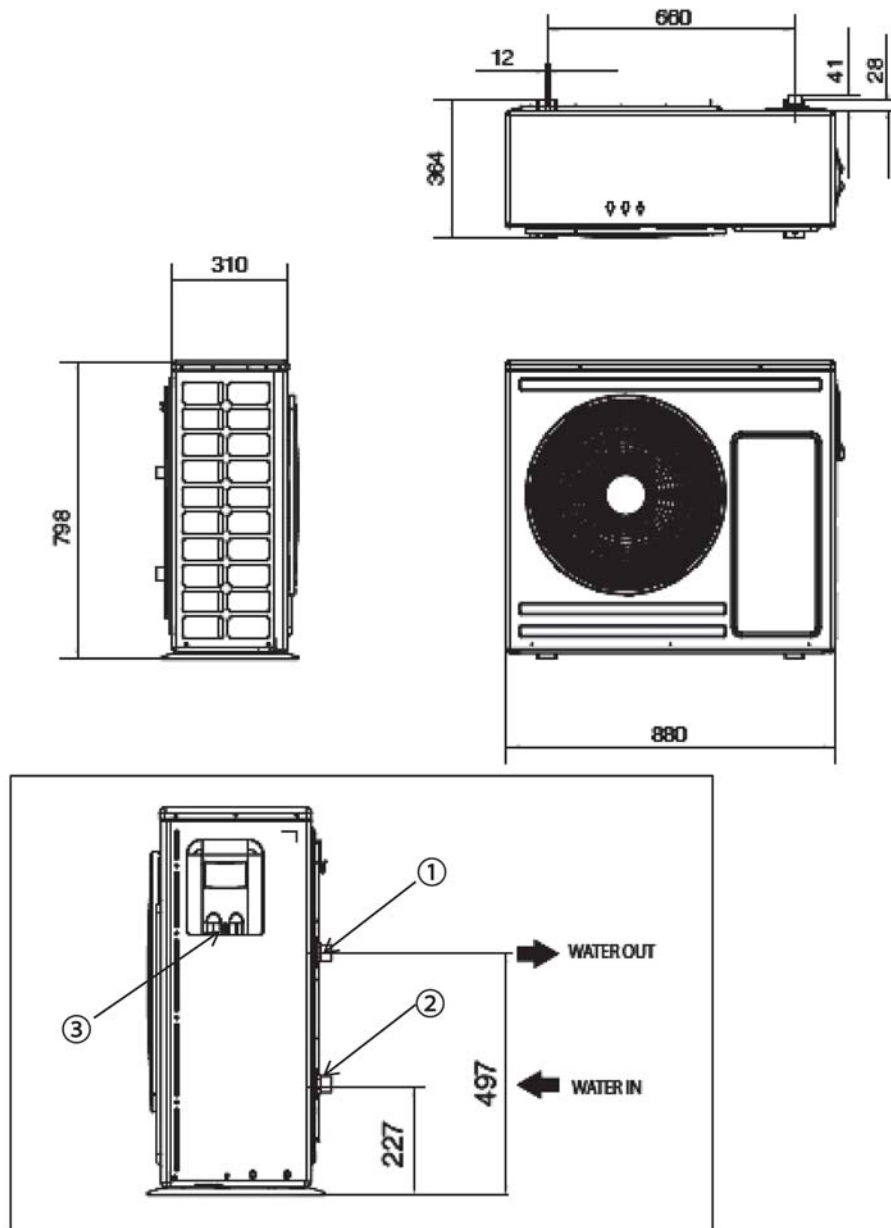
MWR-WW00

EHS

Dimensional Drawing 5kW



Units: mm



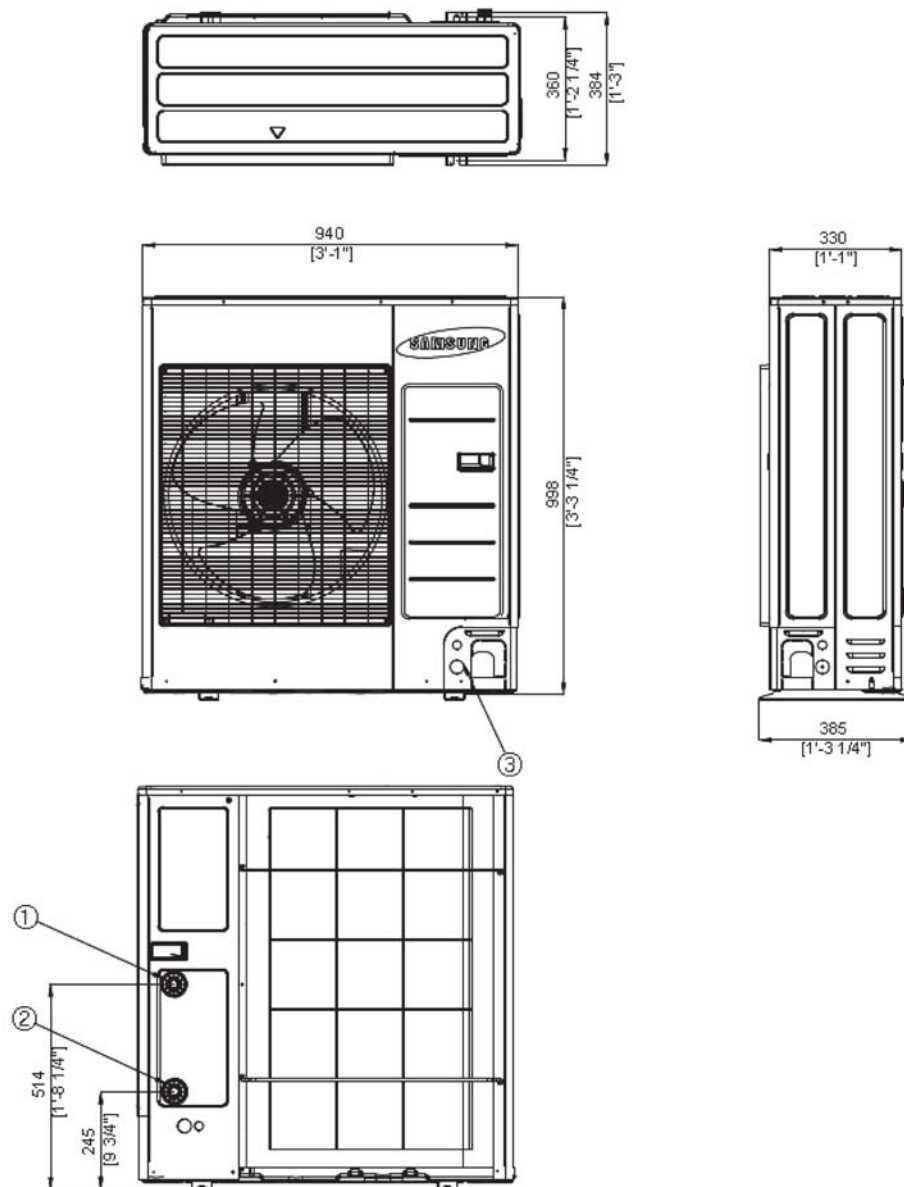
No.	Name
1	Water pipe (out)
2	Water pipe (in)
3	Power and communication wiring conduits

EHS

Dimensional Drawing 9kW



Units: mm, inch



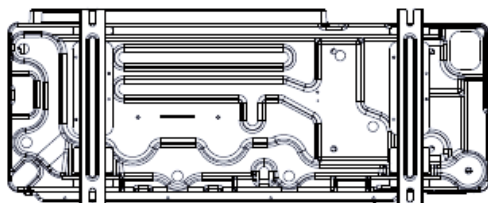
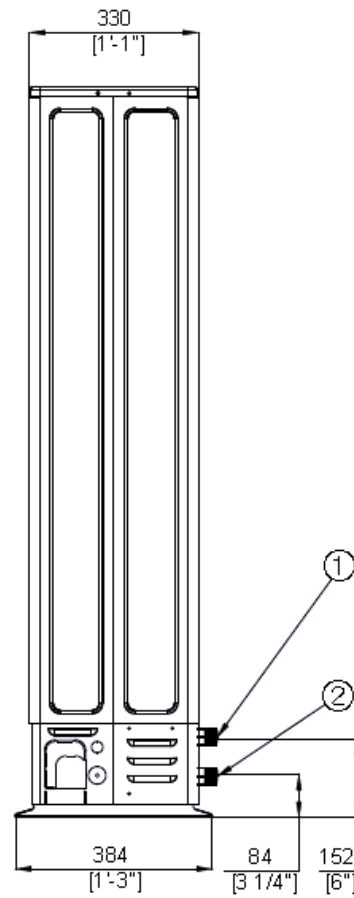
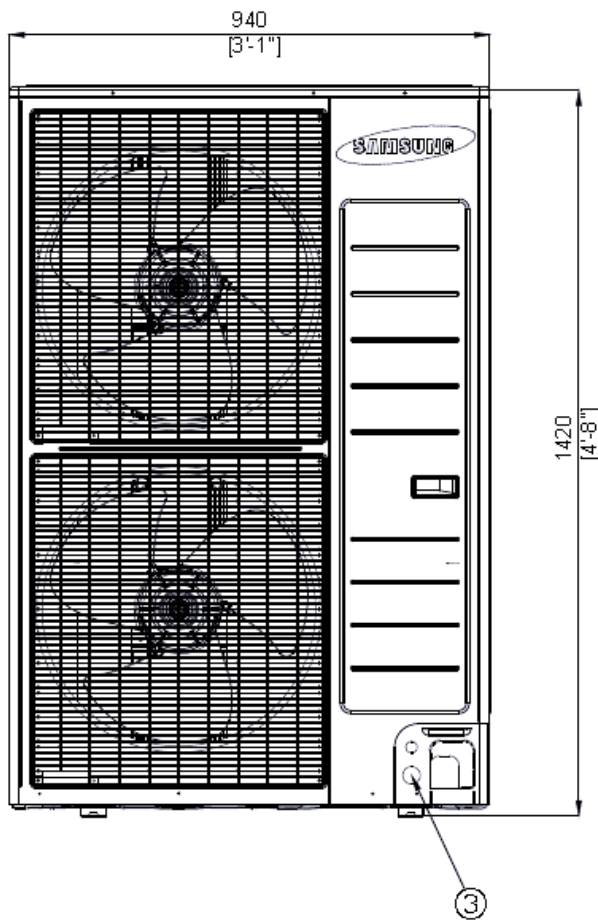
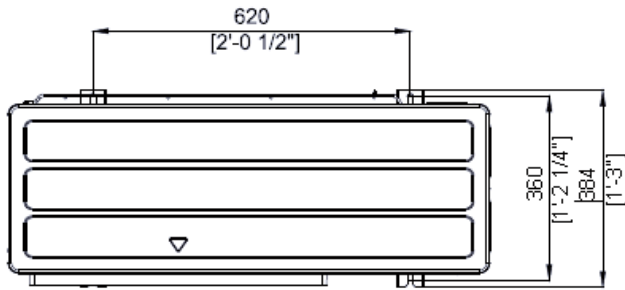
No.	Name
1	Water pipe (out)
2	Water pipe (in)
3	Power and communication wiring conduits

EHS

Dimensional Drawing 12,14,16kW



Units: mm, inch



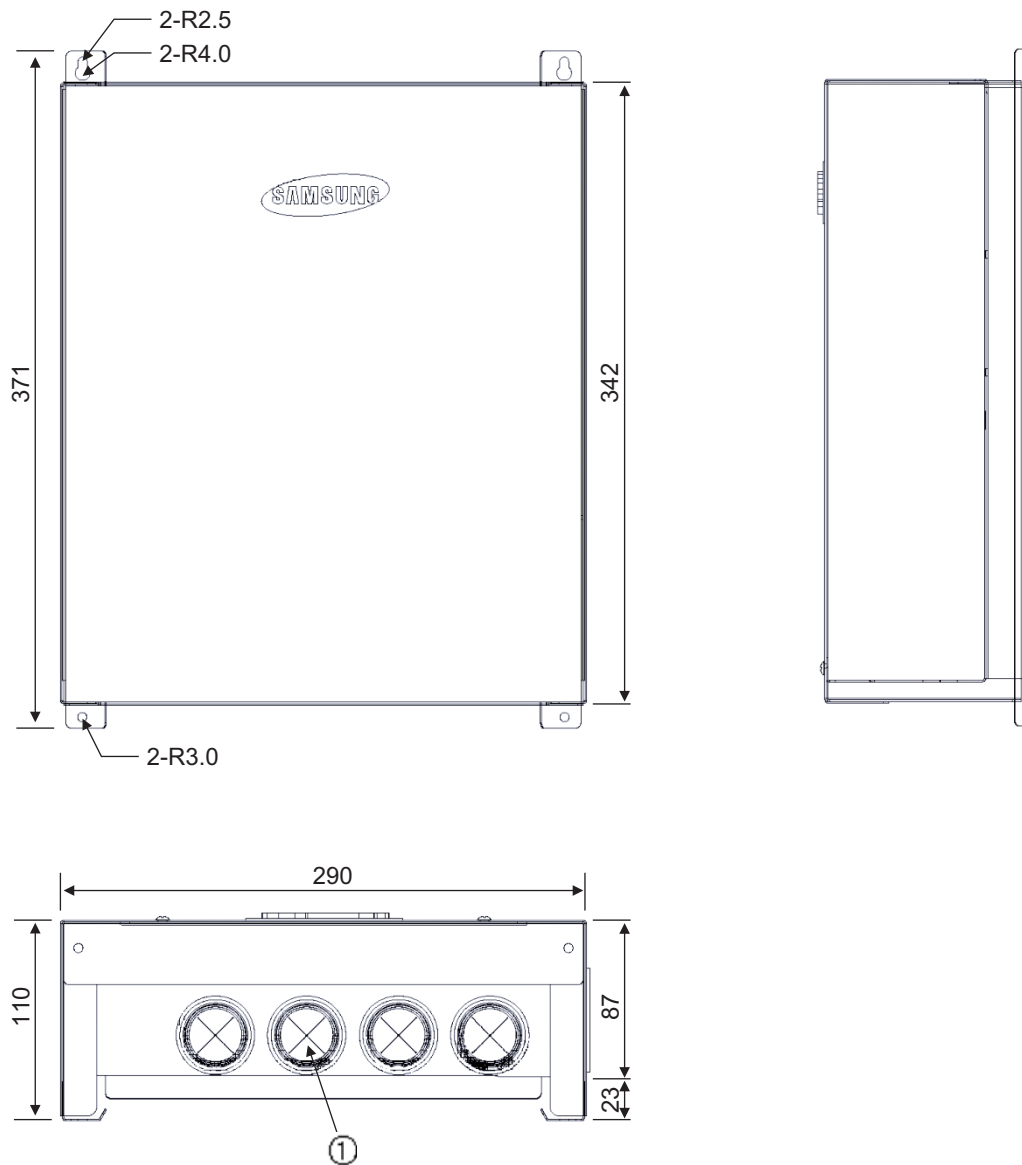
No.	Name
1	Water pipe (out)
2	Water pipe (in)
3	Power and communication wiring conduits

EHS

Dimensional Drawing Control kit



Units: mm



No.	Name
3	Conduit for Wiring (Rubber)

Control System

Overview

Samsung Control System offers convenient, centralized 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 optimized 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

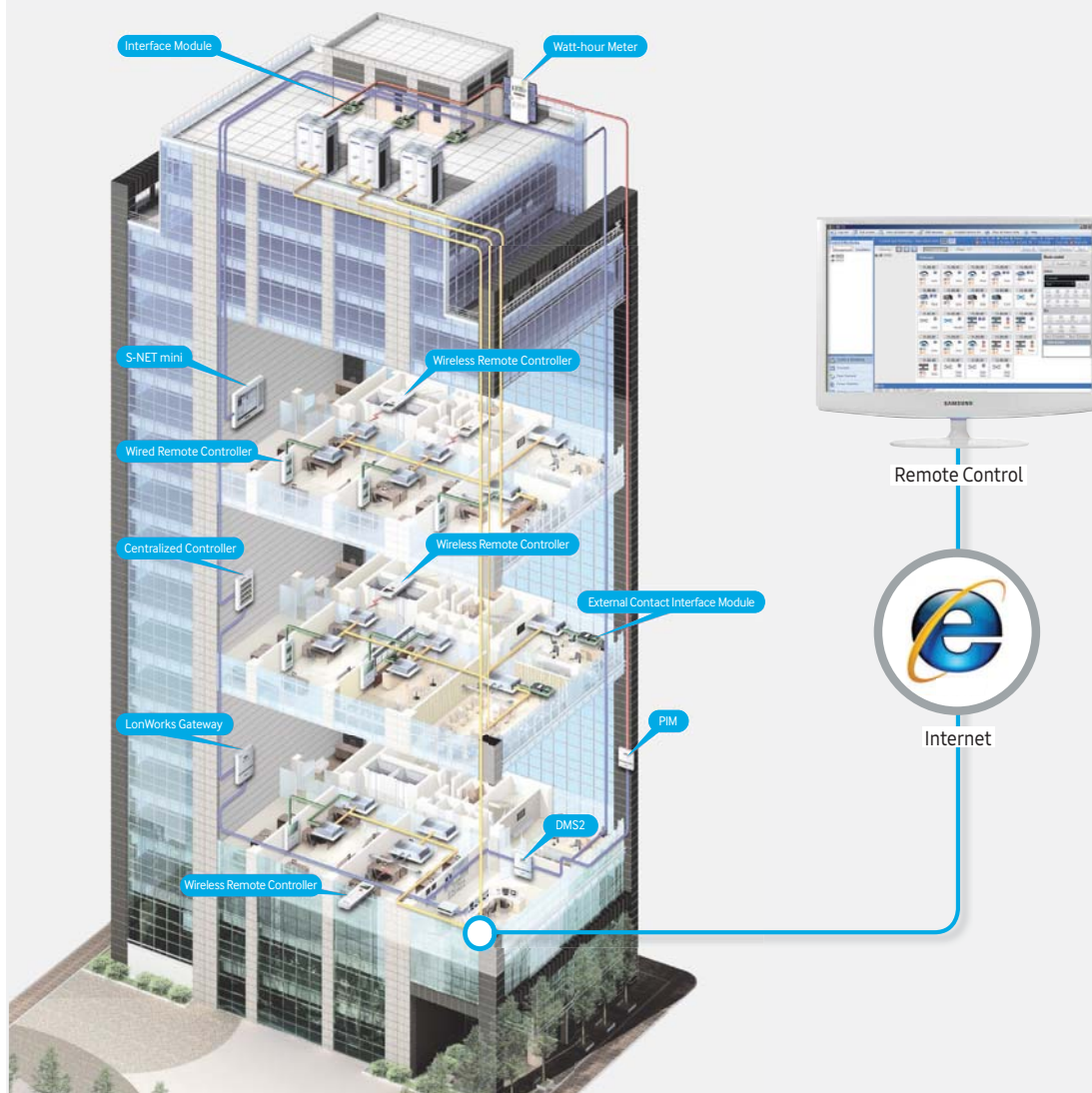
Samsung Building Management System (BMS) makes it possible to control and monitor the air conditioning network using the remote control and monitoring function. Optimum control keeps the air conditioning system efficient, saves energy, reduces maintenance costs and extends the lifespan of the units.

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 optimize convenience. On/Off controllers or interface modules.



Control System

Individual control

Wireless Remote Controller | AR-EH03E/AR-KH00E

- 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-WE13N / MWR-WE13

- 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



Control System

S-NET 3

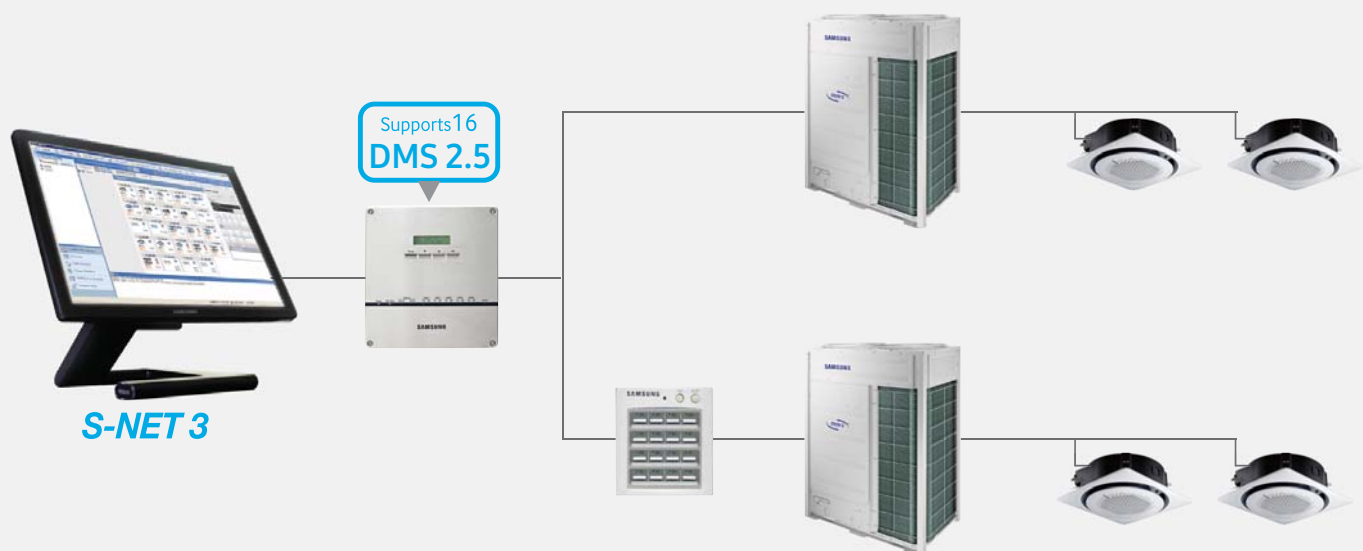
Control multiple buildings with ease through centralized data management

S-NET 3 manages a group of buildings through data management servers (DMS 2) that individually manage each building. This Internet-based management system supports flexible, complete control of a wide variety of applications, providing users:

- Fully integrated PC management software
- Up to 16 DMS 2 connections through the Ethernet
- Centralized management of up to 4,096 indoor units
- Schedule and zone control
- Error and operation history management
- Power distribution management and analysis



S-Net 3 system configuration



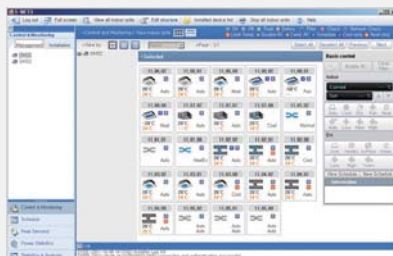
Control System

S-NET 3

Integrated, complete control

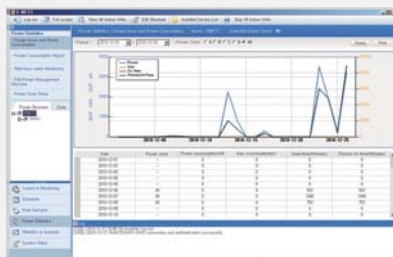
Control and monitoring

Users can control and monitor up to 4,096 indoor units, including ERV, ERV PLUS and AHU. Wireless and wired remote control restrictions provide greater oversight of operations. A temperature limit setting, operation mode lock and multiple/full indoor unit selection extend the range of control. Plus, an icon-based indoor unit display mode enables easy, more intuitive usability.



Power distribution management

Users can ensure optimal power usage with a data query for power distribution and operation times. Administrators can then generate and print power distribution reports for a complete survey of operations. For more specific output, S-NET 3 includes time section settings for different electricity rates and a group setting for the power distribution summary.



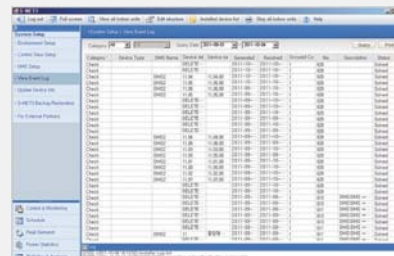
Schedule control

S-NET 3 provides easy-to-read graphical schedule settings, enabling administrators to schedule operation weekly or daily or exclude dates with the exception date setting.



History management

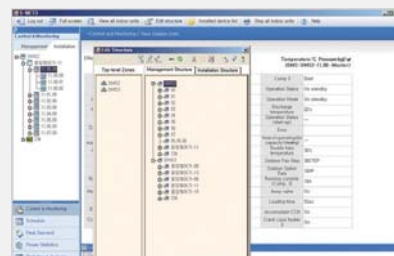
S-NET 3 offers error and event history management, as well as report generation and printing, so users can readily identify and resolve issues. The indoor unit also supports operation history management.



Category	Device Type	Model Name	Serial No.	Timestamp	Message	Severity	Status
Event	ERV	ERV-100	123456789	2011-11-11 11:11:11	Temperature sensor error	Warning	Resolved
Event	ERV	ERV-100	123456789	2011-11-11 11:11:11	Filter replacement reminder	Info	Active
Event	ERV	ERV-100	123456789	2011-11-11 11:11:11	Power supply voltage fluctuation	Warning	Resolved

Zone management

With S-NET 3, users can customize the management structure regardless of the installation structure. They can also create and edit control zones and manage the tree structure for the control zones.



Cycle monitoring

S-NET 3 enables users to monitor outdoor / indoor unit cycle data. (The monitoring function is supported only on specific outdoor unit models.)



Unit ID	Unit Name	Outdoor Unit Model	Indoor Unit Model	Outdoor Unit Cycle Count	Indoor Unit Cycle Count
001	Unit 001	Model A	Model B	10	20
002	Unit 002	Model A	Model B	15	30
003	Unit 003	Model A	Model B	20	40

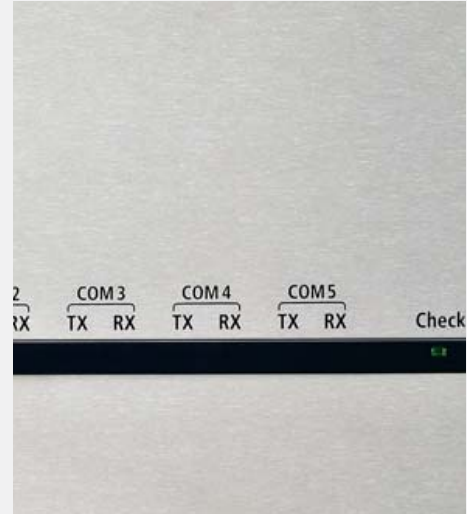
Control System

DMS 2.5

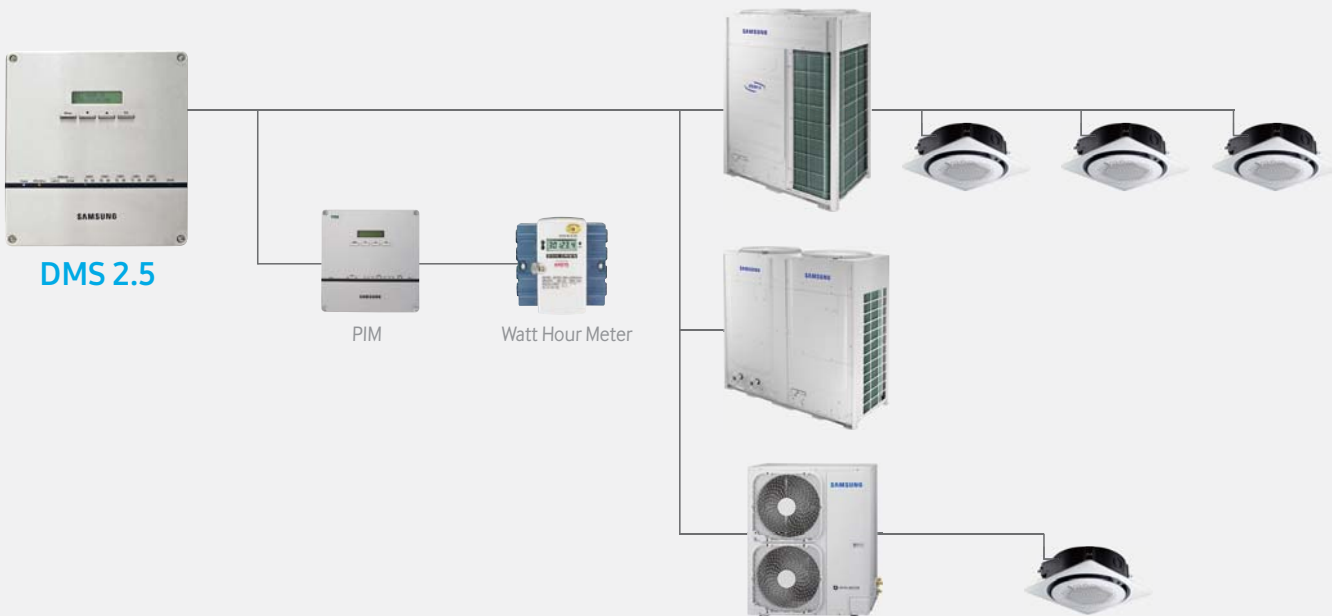
Streamline management with smart, automated control

The improved Samsung DMS (Data Management Server) 2.5 is now smarter. It can manage a variety of different air conditioning units, and the newly upgraded functions can automatically manage the air conditioning system for users. Key features include:

- Built-in web server for PC-independent management and remote access control
- Multiple upper-level control access (S-NET 3, Web-client)
- Central management of up to 256 indoor units including ERV, ERV PLUS, AHU, DVM CHILLER and FCU Kit
- 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 contract interface



DMS configuration



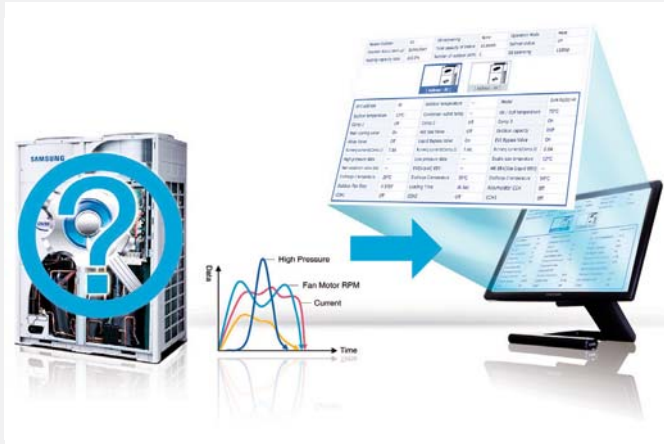
Control System

DMS 2.5

Smarter functionality for maximum control

Monitoring of air conditioner operation

DMS 2.5 eliminates the need to open each outdoor unit to monitor operation. Detailed refrigerant flow check in the control room and reduced service lead time help keep the units up and running.



Easy control and monitoring

Users can control and monitor up to 256 indoor units, including ERV, ERV PLUS, AHU, DVM CHILLER and FCU Kit, via the Internet. Control functions include on/off operation mode, and fan speed and temperature settings.



Operation history management

DMS 2.5 features operation history for indoor units, which records data for up to 6 months. The operation history stores the following parameters:

- Indoor unit address and name
- On/Off time (year, month, day, hour, minute)
- Operation mode (cool, heat, auto, fan dry, stop)
- Set/Room temperature



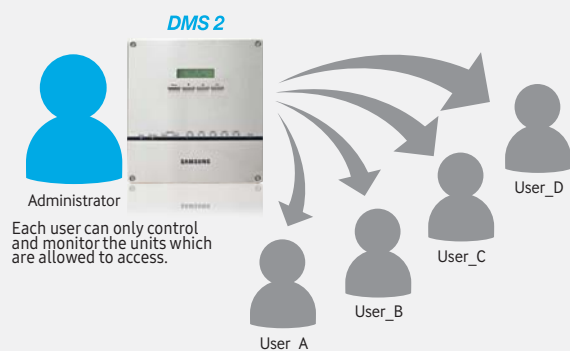
 **Storage Period - Up to 6 months**

Control System

DMS 2.5 Easy management

Accessible level management

DMS 2 enables administrators to specify the scope of unit control and monitoring by each user.



Control for unoccupied room

DMS 2.5 offers useful function for accommodations. Using this function, manager can keep the room temperature when guest goes out for a while. And manager can pre-cool or pre-heat the room temperature before guest enters the room.



Dynamic security management

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

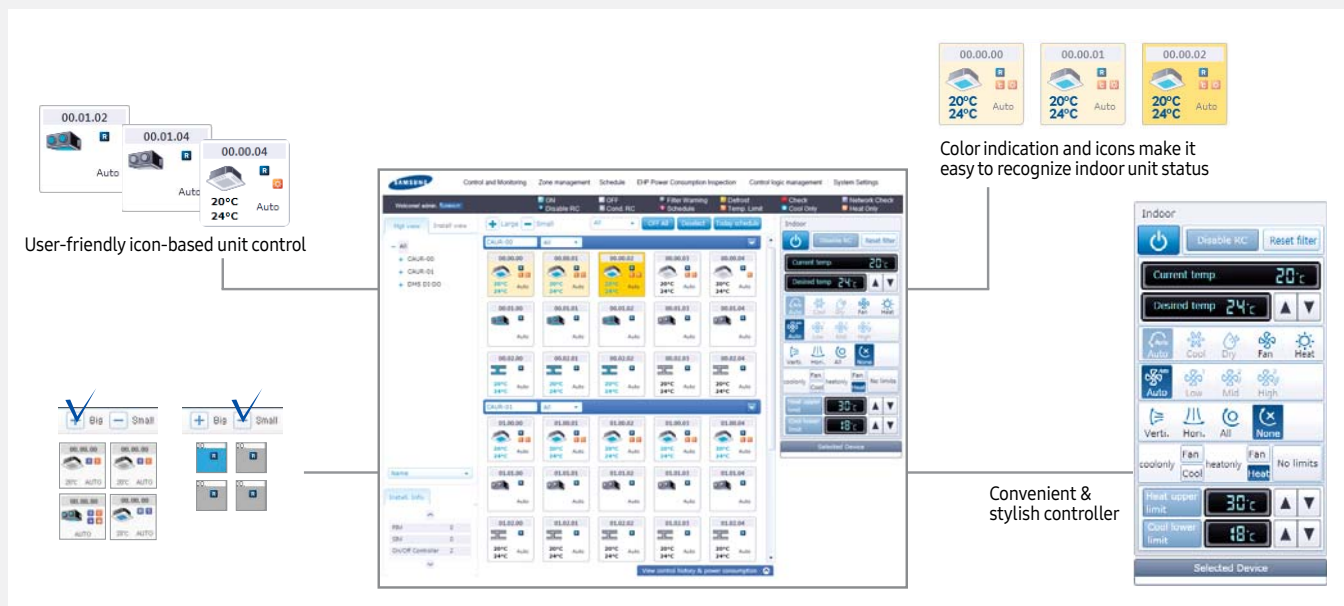
Functions	Admin	Manager	User
	Access All	Changeable	
Control/ Monitoring	0	0	0
Zone management	0	0	X
Schedule	0	0	0
Power distribution	0	0	X
System configuration	0	X	X

Control System

DMS 2.5
Intuitive monitoring

Enhanced graphical display

DMS 2.5 simplifies the task of monitoring system operations with its vibrant, intuitive graphical display. Icon-based, color-coded unit control makes it easy to recognize indoor unit status, while a handy, stylish controller makes management even more convenient.



Powerful data backup

Critical data is safely stored on the DMS 2.5 SD memory card, including:

- Indoor/outdoor unit name
- Power distribution data
- Operation history
- DMS power on/off history
- System configuration



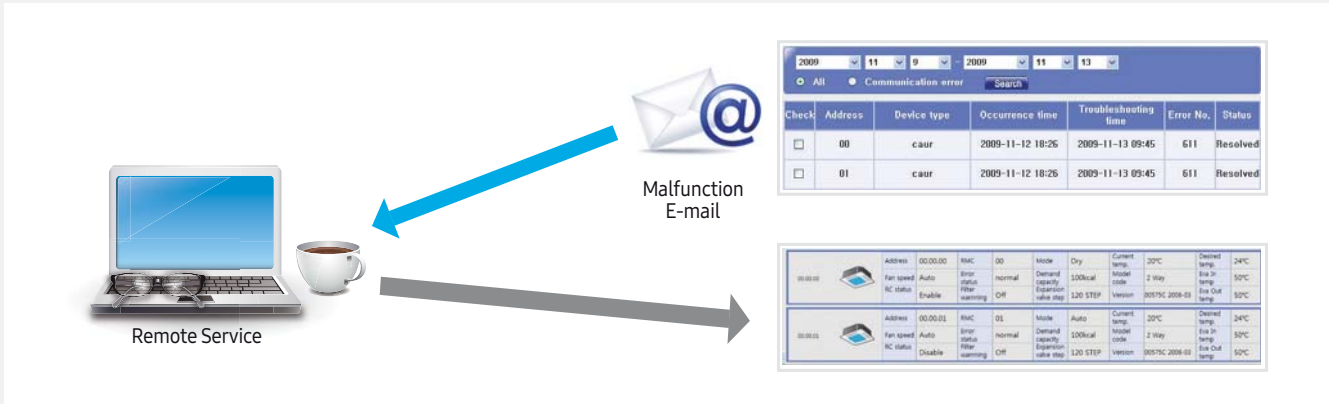
Control System

DMS 2.5

Responsive efficient service

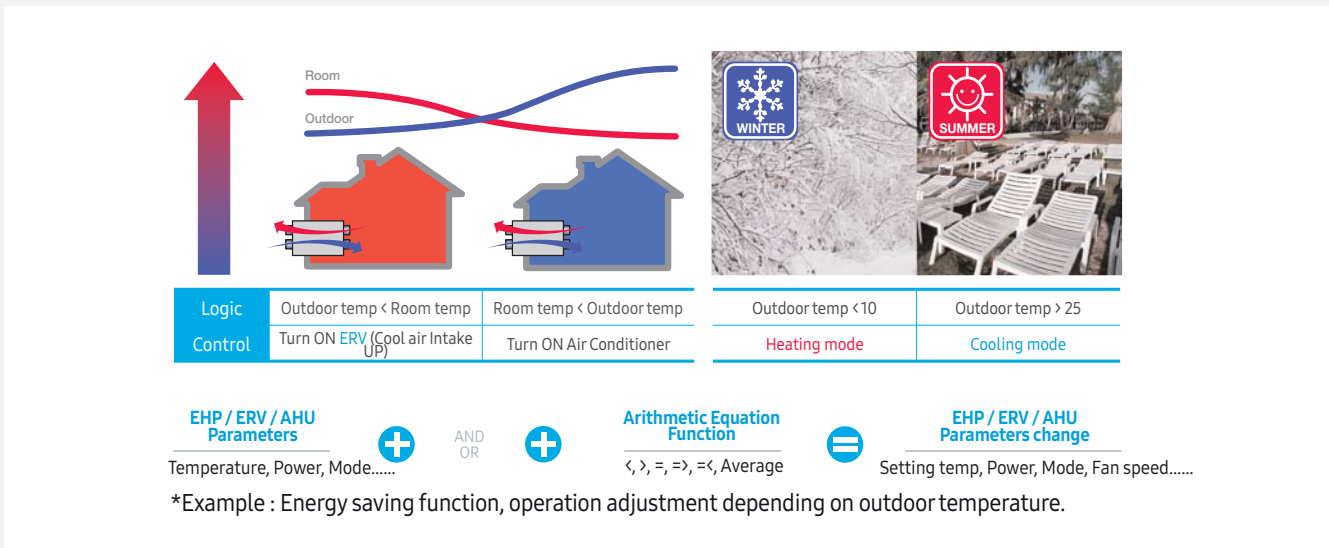
Rapid, easy service response

DMS 2.5 provides easy remote control and monitoring through the Internet. Users can receive an email notification to a private Internet account in the event of a malfunction.



User editable control logic

Users can edit control logic with arithmetic and conditional operators and parameters. Energy can be efficiently used and reduced for various operation conditions.



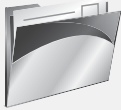
Control System

DMS 2.5

Extended, zoned management

Useful history management

DMS 2.5 records indoor unit operation and error occurrence history. Recorded history makes it convenient to analyze air-conditioner operation and perform unit maintenance.



Operation History

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

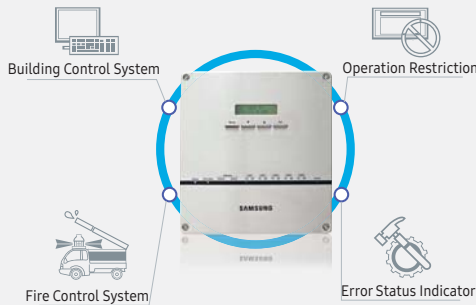


Error History

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

Extended contact interface

General users, managers and administrators can be registered separately by ID and password. Administrators (utility managers) have the authority to set access levels for DMS 2.5 functions by user.



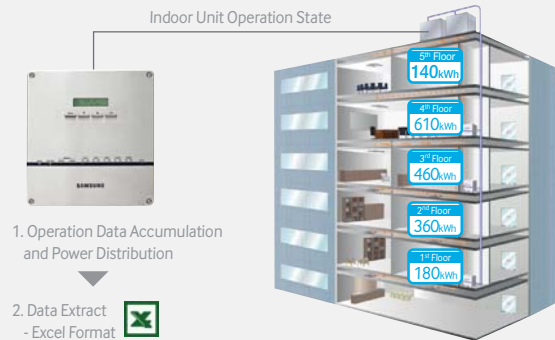
Smart central management

DMS 2.5, the Control and Monitoring Zone edition, offers smart, centralized, zoned management. Wireless and wired remote control restrictions provide greater oversight of operations. A temperature limit setting and operation mode restriction extend the range of control.



Power distribution system

DMS 2.5 enables power distribution to a maximum of 256 indoor units, and provides a data query for watt-hour, usage time and usage ratio. One year of power distribution data is saved in storage; these files are saved in Microsoft® Excel format. DMS 2 also provides current actual power consumption monitoring, as well as current-type electricity meter support (CT ratio input).



Watt-hour meter interface module

The watt-hour meter interface module can be exclusively used for DMS 2.5 power distribution, displaying power consumption for each watt-hour meter. It connects with up to eight watt-hour meters and features a pulse interface for each meter.



Control System

Touch Centralized controller

Touch Centralized Controller | MCM-A300N

- 7-inch Color 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 color and icon
- Large-size icons for ease of use
- High and low temperature limitation settings
- Individual unit restriction settings



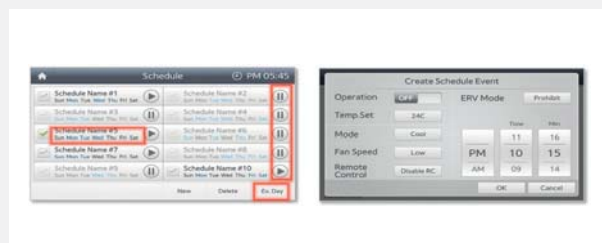
Zone Management for multiple units

- Manage up to 12 zones
- Simply control zones with one button
- Set unique zone description icons to easily recognize 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

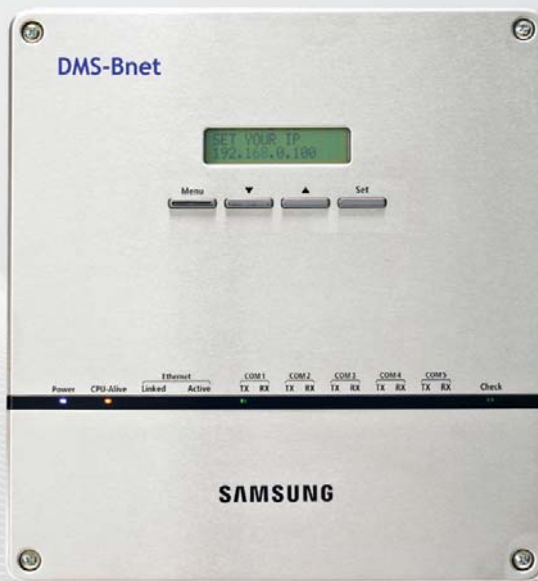


Control System

Building Management System

Streamline operations and costs with integrated management

Samsung Building Management System (BMS) provides various control functions for integrated management of varied system equipment and air conditioners. As a result, BMS facilitates an efficient and economical operating environment.



BACnet gateway



LonWorks gateway

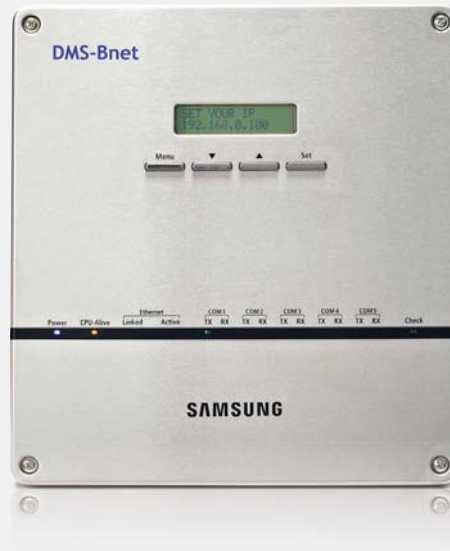
Control System

Building Management System BACnet gateway

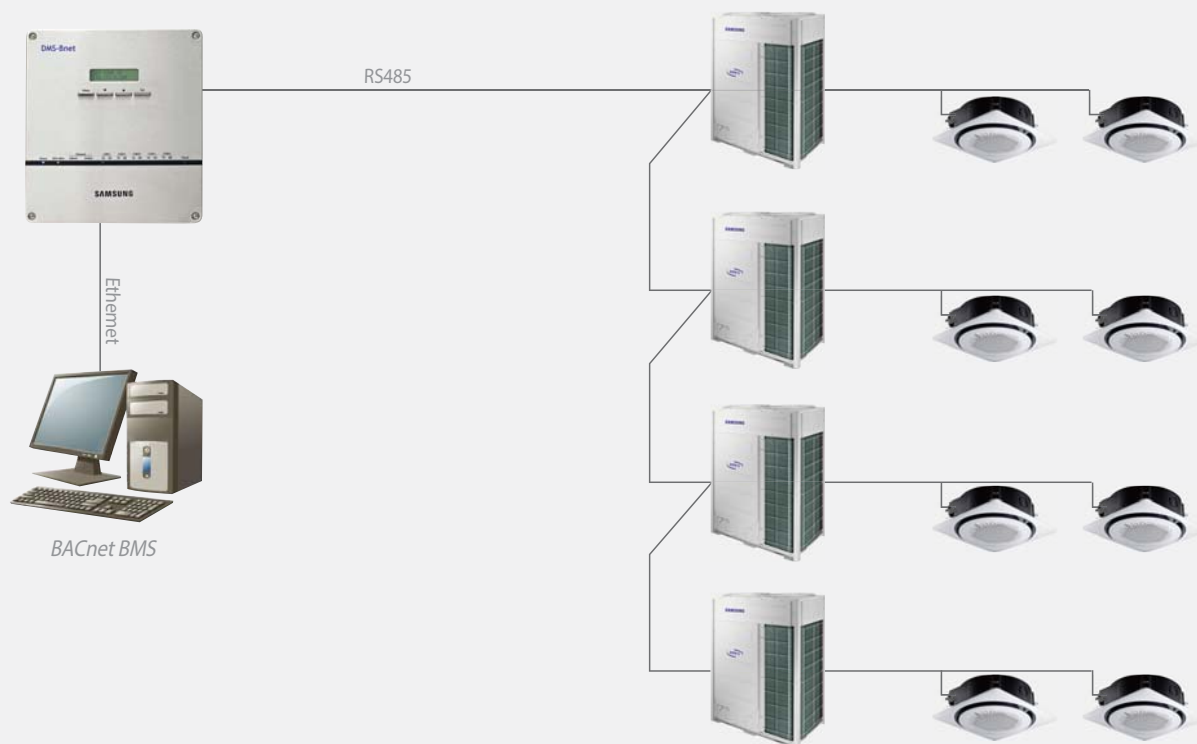
BACnet gateway MIM-B17N

BACnet gateway is an interface for connection to BACnet management system, providing users with a more convenient way to manage their air conditioning system. It can control a maximum of 128 indoor units

Control		Monitoring	
<ul style="list-style-type: none"> • On/Off control • Operation mode • Temperature setting • Fan speed/direction • ERV operation mode • ERV fan speed 	<ul style="list-style-type: none"> • Filter alarm reset • User control restriction • Operation mode lock • Set temperature limit • Emergency stop • Output contact control 	<ul style="list-style-type: none"> • On/Off control • Operation mode • Set/Room temperature • Fan speed/direction • ERV operation mode • ERV fan speed • Filter alarm • User control restriction 	<ul style="list-style-type: none"> • Thermo On/Off • Power distribution • Operation mode lock • Set temperature limit • In/Out contact state • Emergency stop • Error code



Connection



Control System

Building Management System LonWorks gateway

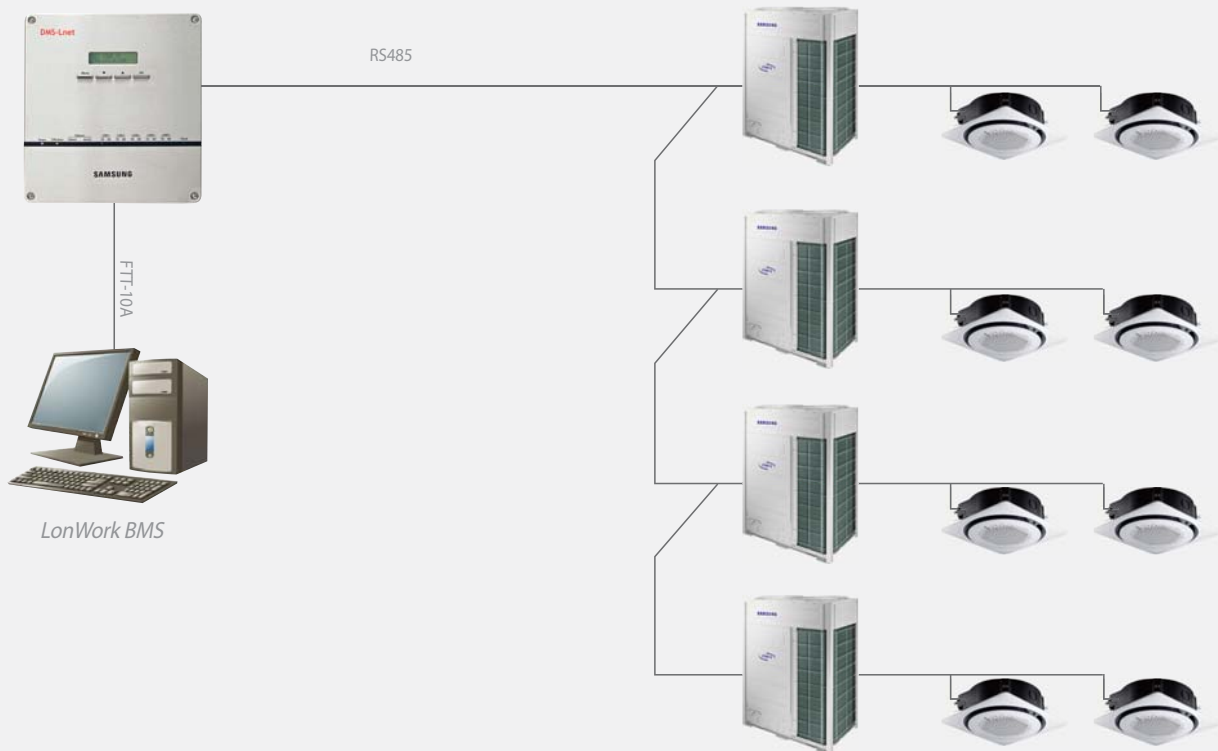
LonWorks gateway MIM-B18N

LonWorks gateway is an interface for Lon-Connection to LonWorks management system, providing users with a more convenient way to manage their air conditioning system. It can control a maximum of 128 indoor units.

Control	Monitoring
<ul style="list-style-type: none"> • On/Off control • Operation mode • Temperature setting • Fan speed/direction • ERV operation mode • ERV fan speed 	<ul style="list-style-type: none"> • Filter alarm reset • User control restriction • Operation mode lock • Set temperature limit • Emergency stop • Output contact control
	<ul style="list-style-type: none"> • On/Off control • Operation mode • Set/Room temperature • Fan speed/direction • ERV operation mode • ERV fan speed • Filter alarm • User control restriction
	<ul style="list-style-type: none"> • Thermo On/Off • Power distribution • Operation mode lock • Set temperature limit • In/Out contact state • Emergency stop • Error code



Connection



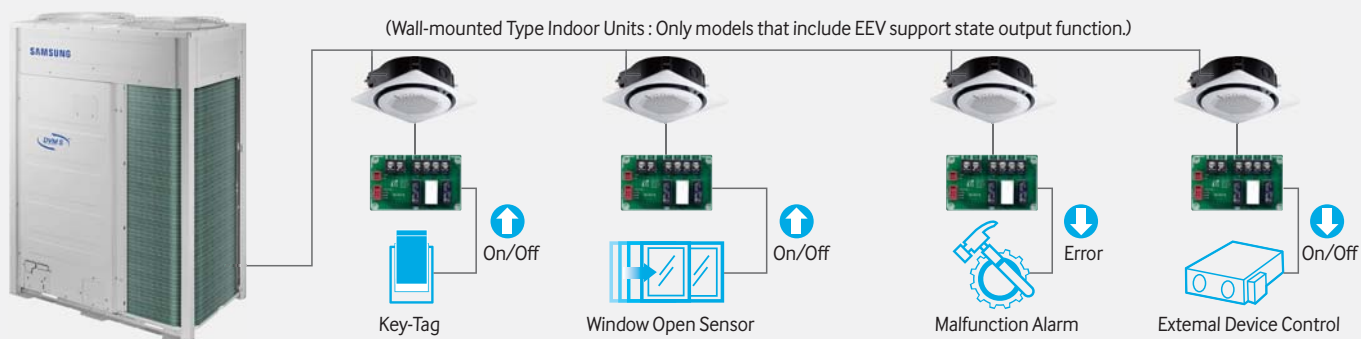
Control System

Interface Module

External contact Interface Module (MIM-B14)

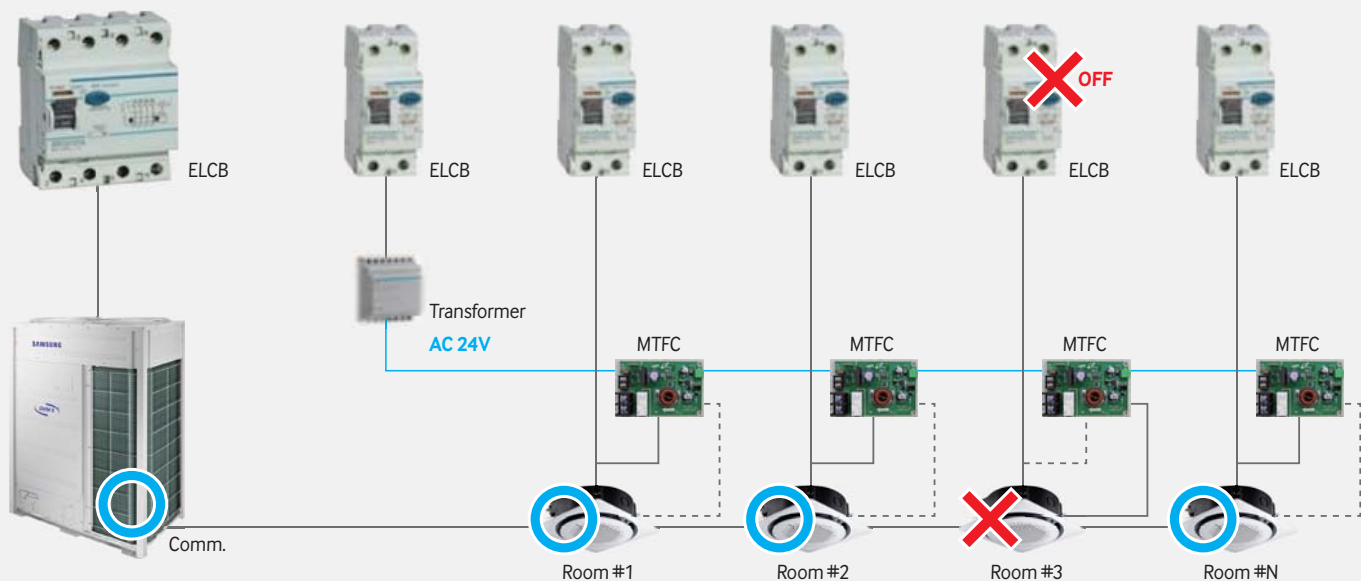
Samsung Guestroom Management System saves users the energy and money wasted on cooling an unoccupied room. The air conditioner is activated when the Key-Tag is in place and turns off when the Key-Tag is removed.

An external contact interface module provides direct indoor unit control via an external contact signal, as well as window-synchronized indoor unit control. The emergency control function features simple contact input. Plus the module generates indoor unit operation/error state output through relay contacts.



MTFC(Multi Tenant Function Controller (MCM-C210N)

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

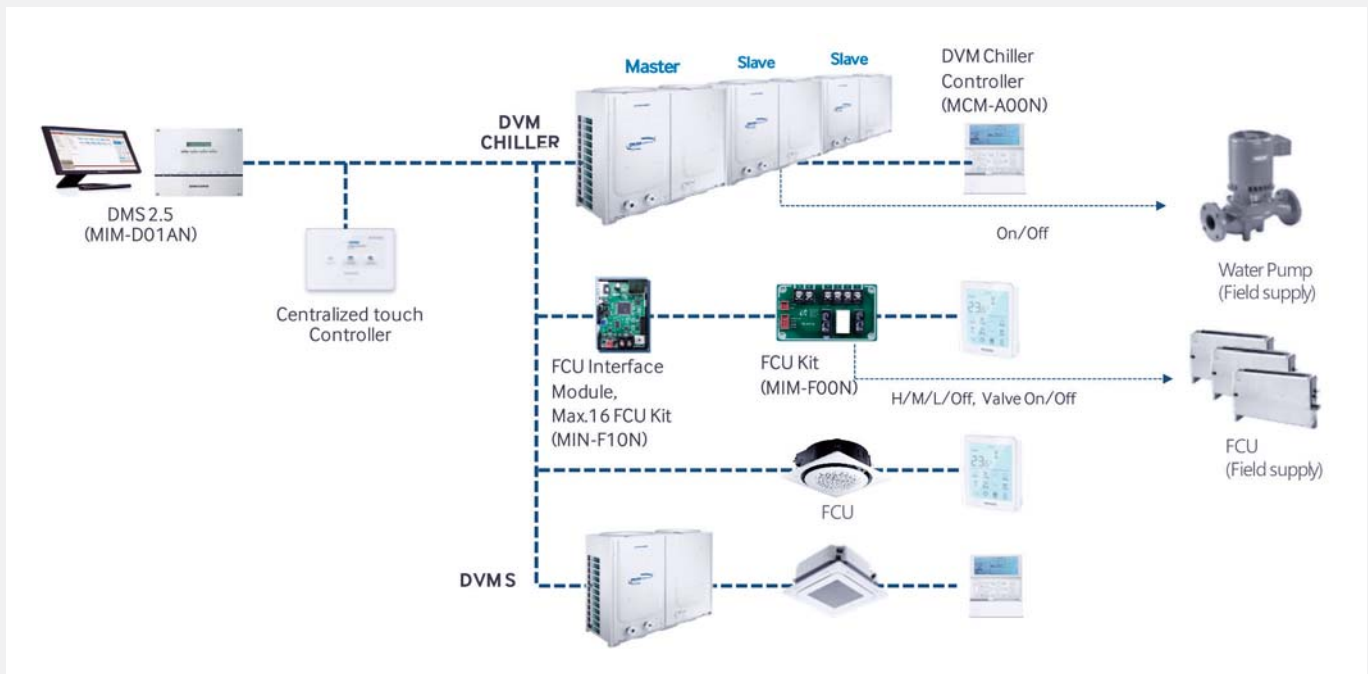


Control System

DVM Chiller

Centrally control all systems

To maximize operational convenience and the value of your existing units, an integrated control system lets you centrally manage both outdoor and indoor units, such as the DVM chiller, VRF, and AirSide equipment.



Module controller (MCM-A00N) - For DVM Chiller

- DVM Chiller On/Off control (Module /Group)
- Operation mode, water outlet temperature setting
- Optional operation setting, module / group setting
- Weekly operation schedule setting



FCU Kit (MIM-F00N) - For 3rd party FCU

- Communication and control interfacing kit between 3rd party FCU and Samsung control system
- Possible to use wired R/C
- Possible to use DMS 2.5, touch centralized controller
- Provides external contact input
- Outputs control signal for FCU fan / water valve
- Size 270x200x87.4mm (WxHxD)





































FCU interface module (MIM-F10N) - For 3rd party FCU

- Communication interface module between FCU Kit and high level controller
- Supports FCU Kit only
- Max. 16 FCU Kits connection



Control System Line-up

CLASSIFICATION		PRODUCT	IMAGE	MODEL		APPLICATION	
				DVM S, CAC (New Communication Protocol)	CAC, FJM		
Integrated Management System	Controller	S-NET 3		MST-P3P	MST-P3P	Excluding (DVM chiller, FCU kit)	
		DMS 2.5		MIM-D01AN		Including (DVM chiller, FCU kit)	
	Interface Module	PIM (Electricity meter)		MIM-B16N	MIM-B16	Excluding (ERV, DVM chiller, FCU kit)	
Building Management Module	Gateway	LonWorks Gateway		MIM-B18N	MIM-B18		
		LonWorks Gateway(New)		MIM-B18BN		Including(DVM chiller, FCU kit)	
		BACnet Gateway		MIM-B17N	MIM-B17		
		BACnet Gateway(New)		MIM-B17BN	MIM-B17	Including(DVM chiller, FCU kit)	
	Interface Module	LonWorks Gateway Interface		-	MIM-B07		
System Controller	Controller	Centralized Touch Controller		MCM-A300N	-		
		On/Off Controller		MCM-A202DN	MCM-A202D		
		Operation Mode Selection Switch		MCM-C200	-	DVM S Series (Except HR Models)	
	Interface Module	External Contact		MIM-B14	MIM-B14		
		MTFC (Multi Tenant Function Controller)		MCM-C210N			
		Centralized Control Interface Module		-	MIM-B13D	For connecting Centralized control system	
		FCU interface module		MIM-N10	MIM-N10	ERV	
		Compatible interface module		MIM-N01	MIM-N01	Old & New protocol	
	Individual Control System	Controller	Wired Remote Controller		MWR-WE13N	MWR-WE13	
			Wired Remote Controller		MWR-WW00N	-	DVM S Hydro Unit
			Wired Remote Controller		MCM-A00N		For DVM chiller
			Wired Remote Controller		-	MWR-WH00	Connect Wire length : 10m (SEC)
			Wired Remote Controller		-	MWR-WH02	Connect Wire length : 3m (SSEC)
			Simplified wired Remote Controller		MWR-SH10N		Touch controller, Built in Temperature sensor
			Simplified wired Remote Controller		MWR-SH00N	MWR-SH00	
			Simplified wired Remote Controller		MWR-VH12N	MWR-VH02	ERV
			Wireless Remote Controller (H/P)		AR-EH03E	AR-EH03E	
			Wireless Remote Controller (C/O)		AR-EC03E	AR-EC03E	
Wireless Remote Controller				AR-KH00E		360 CST dedicated	
Wi-Fi Kit				MIM-H03N	MIM-H03		
RAC Extension Board			-	MIM-A00	For connecting wired remote controller and external contact interface module		
FCU Kit			MIM-F00N		For connecting wired remote controller		
Wireless Signal Receiver package (With Receiver wire)			MRK-A10N	MRK-A10N	DVM S Series (for Ducted indoor unit) Single Global Duct		
Sensor		External Room Sensor		MRW-TA	MRW-TA		
	ERV CO2 Sensor		MOS-C1	MOS-C1			
Test Run Tool		S-Converter (S-NET Pro)		MIM-C02N	MIM-C02	Converter for communication with PC	

Accessories

Classification	Image	Model		APPLICATION
		DVM S, CAC (New Communication Protocol)	CAC, FJM	
Drain Pump		MDP-E075SEE3D	MDP-E075SEE3	Slim Duct (2.0 ~ 14.0 kW)
		MDP-M075SGU1D	MDP-M075SGU1	M.S.P Duct (9.0/11.2 kW)
		MDP-M075SGU2D	MDP-M075SGU2	M.S.P Duct (12.8/14.0 kW) H.S.P Duct (14.0/16.0 kW)
		MDP-M075SGU3D	MDP-M075SGU3	M.S.P Duct (5.6/7.1 kW)
		MDP-N047SNC0D	-	O.A.P Duct (14.0 kW)
		MDP-N047SNC1D	MDP-N047SNC1	H.S.P Duct (22.4/28.0 kW) Fresh Air Intake Duct (22.4/28.0 kW)
	MDP-G075SP	MDP-G075SP	Duct S (External Type)	
		MDP-G075SQ	-	Duct S (Internal Type)
PDM Kits (High Elevation Kits)		MXD-A38K2A	-	8-12 HP
		MXD-A12K2A	-	14-16 HP
		MXD-A58K2A	-	18-22 HP
AHU Kits		MXD-K025AN	-	7.0 ~ 8.75 kW AHU
		MXD-K050AN	-	14.0 ~ 17.5 kW AHU
		MXD-K075AN	-	21.0 ~ 26.25 kW AHU
		MXD-K100AN	-	28.0 ~ 35.0 kW AHU
		MXD-A64K100E	-	AHU EEV Kit (10HP)
Humidifier		MCM-D201N	-	Control Kit (PBA, 10HP-40HP)
		MVO-VA050100	-	500 CMH (ERV Plus)
360 CST Panel		MVO-VA100100	-	1,000 CMH (ERV Plus)
			PC4NUSMAN	-
4 Way Cassette Front Panel		PC4NBDMAN	-	Black, Square
		PC4NUNMAN	-	White, Circle
		PC4NBNMAN	-	Black, Circle
		PC4NUSKAN	PC4NUSKA (Korea) PC4NUSMA (China)	4Way Cassette S - Waffle
4 Way Cassette (600 x 600) Front Panel		PC4NUSKEN	PC4NUSKE (Korea) PC4NUSME (China)	4Way Cassette S - Classic
		PC4NUSKFN	-	4Way Cassette S - Classic (North America)
		PC4NBSKAN	PC4NBSKA	4Way Cassette S - Black
		PC4NUFMAN	PC4NUFMAN	Wind-Free™ 4Way Cassette
		PC4SUSMAN	-	4 way Cassette (600 x 600) - Waffle
1 Way Cassette Front Panel		PC4SUSMEN	-	4 way Cassette (600 x 600) - Classic
		PC4SUSMBN	PC4SUSMC (FJM)	4 way Cassette (600 x 600) - Waffle
		PC4SUSMFN	PC4SUSMG (FJM)	4 way Cassette (600 x 600) - Classic
		PC4SUFMAN	PC4SUFMAN	Wind-Free™ 4Way Cassette (600 x 600)
		PC1MWSKAN	-	1Way Cassette (New Air Fluid Design) (1.7-2.2kW)
2 Way Cassette Front Panel		PC1NUSMAN	PSSMA	Slim 1Way Cassette (2.2-3.5kW)
		PC1BWEAN	-	Slim 1Way Cassette (5.6-7.1kW)
		PC1NUPMAN	PC1NUPMA	Slim 1Way Cassette Z-Sliding (2.2-3.5kW)
		PC1BWPEAN	-	Slim 1Way Cassette Z-Sliding (5.6-7.1kW)
		PC1MWFMAN(1.7-2.2kw) PC1NWFMAN(2.2-3.6kw) PC1BWFMAN(5.6-7.1kw)	-	Wind-Free™ 1Way Cassette
Virus Doctor		PC2NUSMEN	-	2Way Cassette
		MSD-CAN1	MSD-CAN1	4Way Cassette S 4Way Cassette S (600x600)
Motion Detect Sensor		MSD-EAN1	MSD-EAN1	ERV, Global Duct
		MCR-SMA	MCR-SMA	4Way Cassette S (600x600)
		MCR-SMC	MCR-SMC	Wind-Free™ 4Way Cassette
		MCR-SMD	MCR-SMD	Wind-Free™ 4Way Cassette (600 x 600)

Accessories

Classification	Image	Model	Description	APPLICATION
Y-joint		MXJ-YA1509M	15.0kW and below	DVM S
		MXJ-YA2512M	Over 15.0 ~ 40.6kW and below	
		MXJ-YA2812M	Over 40.6 ~ 46.4 kW and below	
		MXJ-YA2815M	Over 46.4 ~ 69.6 kW and below	
		MXJ-YA3419M	Over 69.6 ~ 98.6 kW and below	
		MXJ-YA4119M	Over 98.6 ~ 139.2 kW and below	
		MXJ-YA4422M	Over 139.2 kW	
Y-joint (High Pressure Gas) for HR module		MXJ-YA1500M	23.2 kW and below	DVM S HR
		MXJ-YA2500M	Over 23.2 ~ 69.6 kW and below	
		MXJ-YA3100M	Over 69.6 ~ 139.2 kW and below	
		MXJ-YA3800M	Over 139.2 kW	
Outdoor Joint (Outdoor Connection)		MXJ-TA3419M	Below 48 HP	DVM S
		MXJ-TA4122M	Over 48 HP	
Outdoor Joint (High Pressure Gas) for HR Module		MXJ-TA3100M	Below 48 HP	DVM S HR
		MXJ-TA3800M	Over 48 HP	
DPM Y-joint		MXJ-2D2509K	2-indoor unit connection	CAC Inverter(4way, 4way 600x600)
		MXJ-3D2509K	3-indoor unit connection	
		MXJ-4D2509K	4-indoor unit connection	
Header Joint		MXJ-HA3819M	Over 69.7 kW	DVM S
		MXJ-HA3115M	Below 69.6 kW	
		MXJ-HA2512M	Below 46.4 kW	
NEW MCU Kits		MCU-S1NEK1N	1 Ports	DVM S HR
		MCU-S2NEK2N	2 Ports	
		MCU-S4NEK3N	4 Ports	
		MCU-S6NEK2N	6 Ports	
HR-Changer		MCU-R4NEK0N	4 Ports	DVM S ECO HR
SUB MCU		MCU-S6NEK3N	6 Ports	1Port - 5.6kW
EEV Kits		MXD-E24K132A	Below 3.6 kW (1 Room) + 5.6 kW ~ 9.0 kW (1Room)	DVM S
		MXD-E24K200A	Below 3.6 kW (2 Rooms)	
		MXD-E32K200A	5.6 kW ~ 9.0 kW (2Rooms)	
		MXD-E24K232A	Below 3.6 kW (2 Rooms) + 5.6 kW ~ 9.0 kW (1Room)	DVM S
		MXD-E24K300A	Below 3.6 kW (3 Rooms)	
		MXD-E32K224A	Below 3.6 kW (1 Room) + 5.6 kW ~ 9.0 kW (2Rooms)	
		MXD-E32K300A	5.6 kW ~ 9.0 kW (3Rooms)	
Anti-Corrosion Spray		MEV-E24SA	Below 3.6 kW (1 Room)	DVM S
		MEV-E32SA	5.6 kW ~ 9.0 kW (1Room)	
Anti-Corrosion Spray		MOK-220SA	R-Pro	

Design Tool

New DVM-Pro

Customize your air conditioning system with innovative design tools

Samsung's new DVM-Pro is an advanced design automation tool that can be used in AutoCAD-based CAD mode or Windows®-based Sales mode. This new program helps users select the most appropriate system air conditioner equipment so users can easily and precisely design their air conditioning system.

Sale mode

The Sales mode enables users to customize their air conditioning system by selecting from the following categories:

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

CAD mode

The CAD mode provides quick, easy, precise design, enabling users to customize their air conditioning system using AutoCAD add-on software. (AutoCAD is not included in New DVM-PRO.) This mode features:

- **Automatic calculation.** Refrigerant and drain pipe size
- **Automatic selection.** Refnet joint, header and distributor kit.
- **System check.** Installation regulation and refrigerant addition
- **Control system selection.** Easy control system selection
- **Automation report.** Piping installation diagram, equipment list and quotation

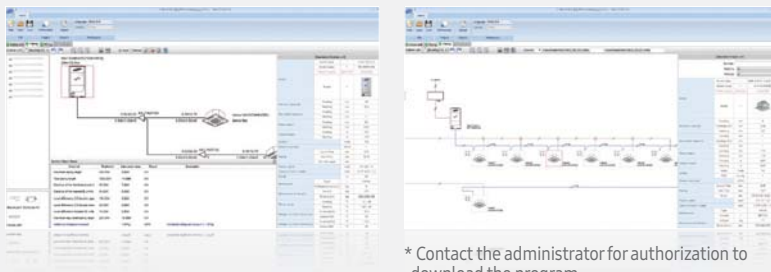


* Contact to Samsung HQ or Distributors for NEW DVM-Pro!

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Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies, redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, printers, medical equipment, network systems and semiconductors. We are also leading in the Internet of Things space through, among others, our Digital Health and Smart Home initiatives. We employ 307,000 people across 84 countries. To discover more, please visit our official website at www.samsung.com and our official blog at global.samsungtomorrow.com

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