



DVMS System

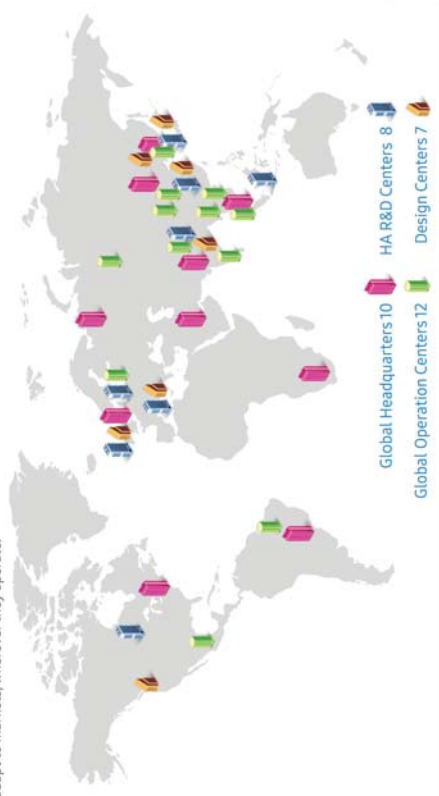
2017 SAMSUNG
System Air Conditioner

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.

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Samsung System Air Conditioner

Global reference sites



Location: China (Tianjin)
Project: International Airport



Location: Iran (Kish Island)
Project: Karaneh Towers



Location: Iran (Esfahan)
Project: Haft Dast Complex



Location: Qatar
Project: Office Building



Location: Turkey (Istanbul)
Project: Mall of Istanbul



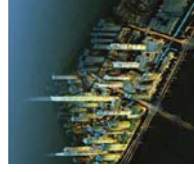
Location: Austria
Project: City Hall Malskirchen



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

DVM S

Product overview

Outdoor Units

Model	DVM S	Super DVM	DVM S Desert	DVM S Eco	5ph	DVM S Eco Desert
4						
5						
6						
8						
10						
12						
14						
16						
18						
20						
22						
24						
26						
28						
30						

HP

Cassette

Model	360 Cassette	4 Way	4 Way (600x600)	1 Way	2 Way
1.5					
1.7					
2.2					
2.8					
3.6					
4.5					
5.6					
6.0					
9.0					
11.2					
12.8					
14.0					

Capacity (kW)

Duct

Model	HSP	MSP	LSP (LSP Duct)	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				

Capacity (kW)

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

DVM S

Product overview

Wall Mounted

Model	Neo Frints, EER/Included	ABS000, EER/Included
1.5		
2.2		
2.8		
3.6		
4.5		
5.6		
7.1		
8.2		

Capacity (kW)

Ceiling

Model		Ceiling
5.6		
7.1		
11.2		
14.0		

Capacity (kW)

Ventilation

Model	ERY Plus	ERY
260		
350		
500		
800		
1000		

Capacity (CMH)

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

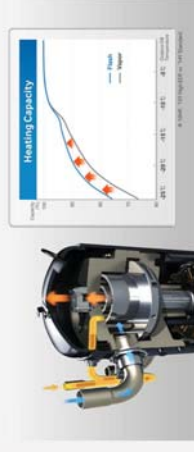
Improved heating performance and High energy efficiency

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.

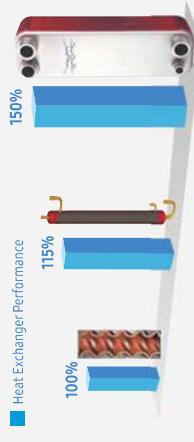


Maintain optimal comfort and control with energy- and cost-efficient technologies

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

Reduce maintenance and energy costs with intercoolers

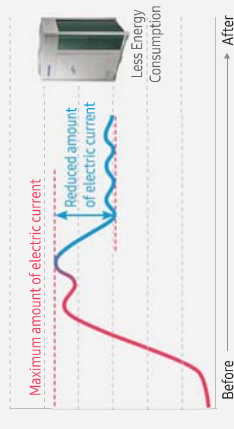
DVM S features a PHE type intercooler, which improves cooling and heating efficiency by 30 percent compared to Shell & Tube and Double Tube type intercoolers. The higher heat exchange rate means optimal distribution, lowering maintenance and energy costs.



Limit power consumption with peak-demand control

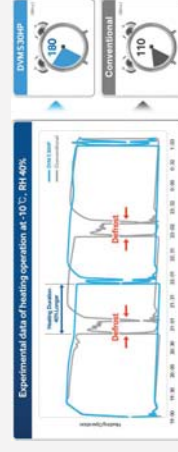
To help businesses manage better power consumption and related costs better, DVM S offers power-demand control for peak hours and seasons. This is especially useful when the electrical supply is insufficient or when businesses want to block excessive and wasteful energy usage.

Before & after peak power-demand control



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.



DVM S

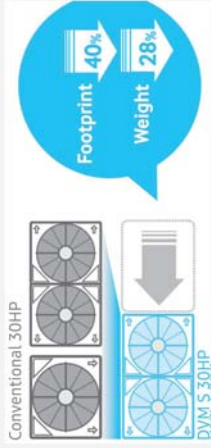
Flexible installation

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.

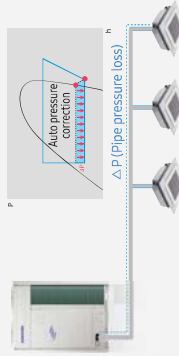
Lower setup costs with a smaller footprint and lighter weight

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.

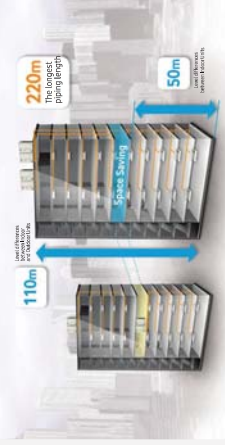


Optimized refrigerant distribution control

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.

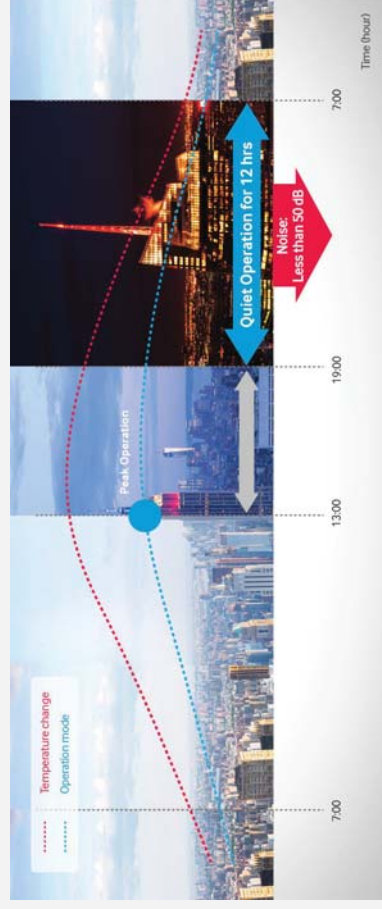
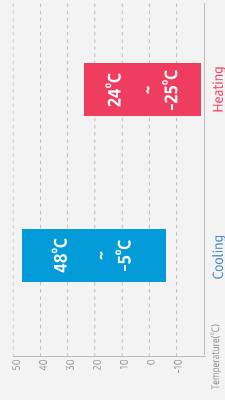
Lessen disruptions with 12-hour quiet operation

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.

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.



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

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.

- Epoxy acrylic coating
- Acrylic and surfactant coating

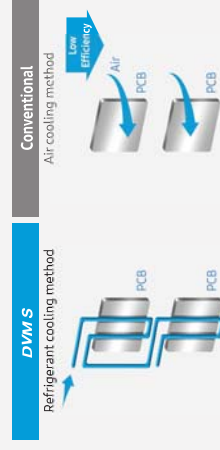
Extend compressor longevity with balanced operation
With conventional systems, one compressor operates longer than the other, which results in one compressor wearing down faster than the other. However, the DVM S DDI system offers balanced compressor operation for improved durability and longevity and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

DVM S

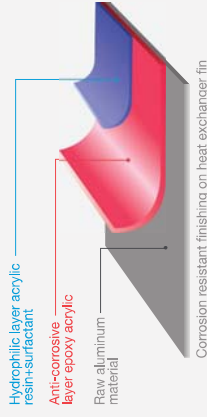


Refrigerant Cooling System

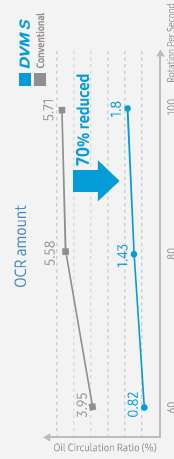
Refrigerant cooling system is not affected by the ambient temperature. Using refrigerant cooling system, DVM S ensures better stability than conventional air cooling system.



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:



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.



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.



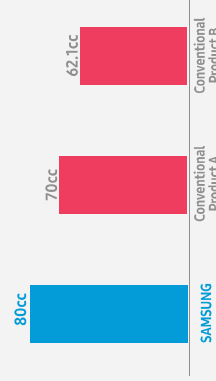
Improved winding wire

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

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.

The Largest Capacity Compressor



Super DVM Specification



Model Code	AM14DKXVAGH	AM16DKXVAGH	AM18DKXVAGH	AM20DKXVAGH	AM22DKXVAGH	AM24DKXVAGH	AM26DKXVAGH	AM28DKXVAGH	AM30DKXVAGH
Power Supply (Outdoor Unit) (Q, #, V, Hz)	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50
Performance (Nominal)	HP	14.00	20.00	26.00	32.00	38.00	44.00	50.00	56.00
Capacity	Cooling [kW]	40.00	50.40	60.80	71.20	81.60	92.00	102.40	112.80
	Cooling (Btu/h)	136,500	172,000	207,500	243,000	278,500	314,000	349,500	385,000
	Heating [kW]	45.00	56.70	68.40	80.10	91.80	103.50	115.20	126.90
Power Input (Nominal)	Cooling 1 [kW]	10.95	12.10	13.25	14.40	15.55	16.70	17.85	19.00
	Heating 2 [kW]	10.16	11.41	12.66	13.91	15.16	16.41	17.66	18.91
Energy Efficiency	EER (Nominal Cooling)	3.66	3.72	3.78	3.84	3.90	3.96	4.02	4.08
	COP (Nominal Heating)	4.43	4.34	4.25	4.16	4.07	3.98	3.89	3.80
Fan	Air Flow Rate (High / Mid / Low) [CMV]	255	255	255	255	255	255	255	255
	Installation Max. Length [m]	200	200	200	200	200	200	200	200
Piping Connections	Installation Max. Height [m]	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
	Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant	Sound Pressure [dB(A)]	61.0	63.0	65.0	67.0	69.0	71.0	73.0	75.0
	Sound Power [dB(A)]	81.0	83.0	85.0	87.0	89.0	91.0	93.0	95.0
External Dimension (Outdoor Unit)	Net Weight [kg]	226.0	255.0	284.0	313.0	342.0	371.0	400.0	429.0
	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	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765

Model Code	AM22DKXVAGH	AM24DKXVAGH	AM26DKXVAGH	AM28DKXVAGH	AM30DKXVAGH
Power Supply (Outdoor Unit) (Q, #, 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	24.00	26.00	28.00	30.00
Capacity	Cooling [kW]	67.20	72.80	78.40	84.00
	Cooling (Btu/h)	229,300	248,400	267,500	286,600
	Heating [kW]	75.60	81.90	88.20	94.50
Power Input (Nominal)	Cooling 1 [kW]	17.10	18.91	20.68	22.45
	Heating 2 [kW]	17.42	18.00	20.18	20.59
Energy Efficiency	EER (Nominal Cooling)	3.93	3.85	3.80	3.75
	COP (Nominal Heating)	4.34	4.55	4.76	4.97
Fan	Air Flow Rate (High / Mid / Low) [CMV]	340	340	340	340
	Installation Max. Length [m]	200	200	200	200
Piping Connections	Installation Max. Height [m]	110.0	110.0	110.0	110.0
	Type	R410A	R410A	R410A	R410A
Refrigerant	Sound Pressure [dB(A)]	66.0	66.0	69.0	69.0
	Sound Power [dB(A)]	89.0	89.0	92.0	92.0
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

* Product Specifications in this publication can be changed without prior notice. Because there is a always on going improvement in our products.
 1) Model Code: AM14DKXVAGH, AM16DKXVAGH, AM18DKXVAGH, AM20DKXVAGH, AM22DKXVAGH, AM24DKXVAGH, AM26DKXVAGH, AM28DKXVAGH, AM30DKXVAGH
 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 Combination table

Image	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP
AM14DKXVAGH	1								
AM16DKXVAGH		1							
AM18DKXVAGH			1						
AM20DKXVAGH				1					
AM22DKXVAGH					1				
AM24DKXVAGH						1			
AM26DKXVAGH							1		
AM28DKXVAGH								1	
AM30DKXVAGH									1
AM14DKXVAGH	1								
AM16DKXVAGH		1							
AM18DKXVAGH			1						
AM20DKXVAGH				1					
AM22DKXVAGH					1				
AM24DKXVAGH						1			
AM26DKXVAGH							1		
AM28DKXVAGH								1	
AM30DKXVAGH									1
AM14DKXVAGH									
AM16DKXVAGH									
AM18DKXVAGH									
AM20DKXVAGH									
AM22DKXVAGH									
AM24DKXVAGH									
AM26DKXVAGH									
AM28DKXVAGH									
AM30DKXVAGH									

DVM S Desert

Maximize heating and cooling capacity with a conveniently sized design

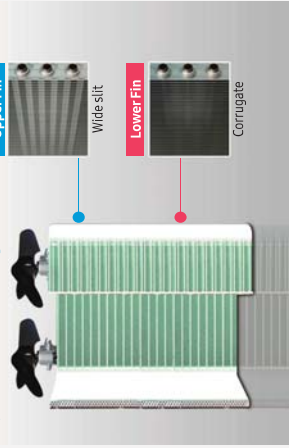
To maximize profitability and value, an efficient use of space is critical for any business. Samsung DVM S Desert provides the world's largest heating and cooling capacity—without increasing its size—enabling businesses to use their space more efficiently.



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



DVM S Desert Combination table

Image	8HP AM808FXVCGH	10HP AM1008FXVCGH	12HP AM1208FXVCGH	14HP AM1408FXVCGH	16HP AM1608FXVCGH	18HP AM1808FXVCGH	20HP AM2008FXVCGH	22HP AM2208FXVCGH	24HP AM2408FXVCGH
8HP AM808FXVCGH	1								
10HP AM1008FXVCGH		1							
12HP AM1208FXVCGH			1						
14HP AM1408FXVCGH				1					
16HP AM1608FXVCGH					1				
18HP AM1808FXVCGH						1			
20HP AM2008FXVCGH							1		
22HP AM2208FXVCGH								1	
24HP AM2408FXVCGH									1
26HP AM2608FXVCGH									
28HP AM2808FXVCGH									
30HP AM3008FXVCGH									
32HP AM3208FXVCGH									
34HP AM3408FXVCGH									
36HP AM3608FXVCGH									
38HP AM3808FXVCGH									
40HP AM4008FXVCGH									
42HP AM4208FXVCGH									
44HP AM4408FXVCGH									
46HP AM4608FXVCGH									
48HP AM4808FXVCGH									
50HP AM5008FXVCGH									
52HP AM5208FXVCGH									
54HP AM5408FXVCGH									
56HP AM5608FXVCGH									
58HP AM5808FXVCGH									
60HP AM6008FXVCGH									
62HP AM6208FXVCGH									
64HP AM6408FXVCGH									
66HP AM6608FXVCGH									
68HP AM6808FXVCGH									
70HP AM7008FXVCGH									
72HP AM7208FXVCGH									
74HP AM7408FXVCGH									
76HP AM7608FXVCGH									
78HP AM7808FXVCGH									
80HP AM8008FXVCGH									
82HP AM8208FXVCGH									
84HP AM8408FXVCGH									
86HP AM8608FXVCGH									
88HP AM8808FXVCGH									
90HP AM9008FXVCGH									
92HP AM9208FXVCGH									
94HP AM9408FXVCGH									
96HP AM9608FXVCGH									



DVM S Desert Specification



Model Code	AM08DPXVCGH 3,4,380~415,50	AM10DPXVCGH 3,4,380~415,50	AM12DPXVCGH 3,4,380~415,50	AM14DPXVCGH 3,4,380~415,50	AM16DPXVCGH 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	85,200	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
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
COP					
Nominal Cooling 1)	5.10	5.95	5.47	5.11	4.74
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 (WHxHD) [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 1,795 x 765

Model Code	AM18DPXVCGH 3,4,380~415,50/60	AM20DPXVCGH 3,4,380~415,50/60	AM22DPXVCGH 3,4,380~415,50/60	AM24DPXVCGH 3,4,380~415,50/60	AM26DPXVCGH 3,4,380~415,50/60
Performance (Nominal)					
HP	18.00	20.00	22.00	24.00	26.00
Capacity					
Cooling 1) [kW]	50.40	56.00	61.60	67.20	72.80
Cooling 1) [Btu/h]	172,000	191,100	210,200	229,300	248,400
Cooling 3) [kW]	44.30	47.00	53.90	58.00	62.10
Cooling 3) [Btu/h]	151,200	160,400	183,900	197,900	211,900
Heating 2) [kW]	56.70	63.00	69.30	75.60	81.90
Heating 2) [Btu/h]	193,500	213,000	236,500	258,000	280,500
Power Input (Nominal)					
Cooling 1) [kW]	12.30	14.00	15.50	17.00	18.50
Cooling 3) [kW]	15.00	16.50	19.00	20.50	22.00
Heating 2) [kW]	12.40	14.18	15.80	17.42	18.96
Nominal Cooling 1)	4.10	4.00	3.97	3.85	3.73
Nominal Cooling 3)	2.95	2.85	2.84	2.83	2.82
Nominal Heating 2)	4.57	4.44	4.39	4.34	4.29
Fan					
Air Flow Rate (High / Mid / Low) [CMM]	310	310	340	340	340
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)]	63.0	64.0	66.0	66.0	66.0
Sound Power [dB(A)]	86.0	87.0	89.0	89.0	89.0
External Dimension (Outdoor Unit)					
Net Weight [kg]	325.0	325.0	325.0	325.0	325.0
Net Dimensions (WHxHD) [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

* 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: 19°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m / Level differences: 0m.
 3) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, 12°C WB, Equivalent refrigerant piping: 7.5m / Level differences: 0m.
 Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, 12°C WB, Equivalent refrigerant piping: 7.5m / Level differences: 0m.

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.



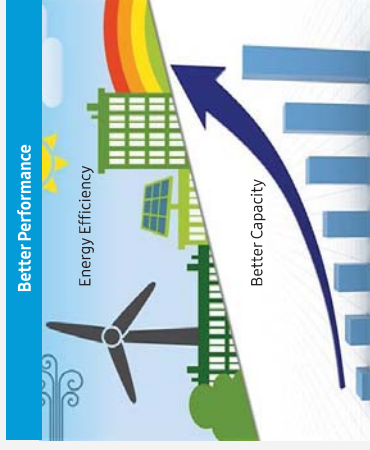
DVM S Eco

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.



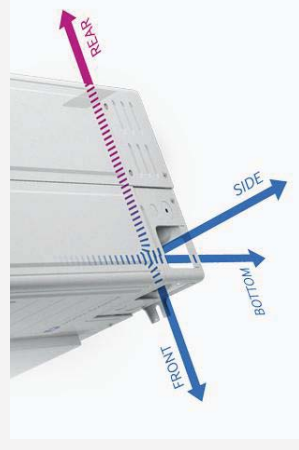
Better Performance

Energy Efficiency

Better Capacity

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.

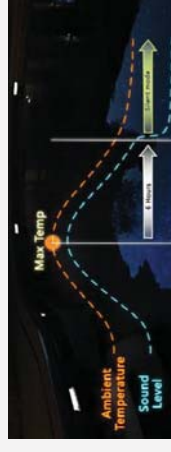


Enjoy minimal noise levels for maximum comfort

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	AMK08FXMDEH	AMK09FXMDEH	AMK10FXMDEH	AMK12FXMDEH	AMK15FXMDEH	AMK18FXMDEH	AMK24FXMDEH
Power Supply (Outdoor Unit) (0, #, V, Hz)	1,2220-240,50	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	4.00	5.00	6.00	8.00	10.00	14.00
Capacity	Cooling [kW]	12.10	14.00	14.00	14.00	15.50	15.50
	Cooling [Btu/h]	41,300	47,800	47,800	47,800	52,900	52,900
	Heating [kW]	13.50	16.00	16.00	16.00	18.00	18.00
	Heating [Btu/h]	46,100	54,600	54,600	54,600	61,400	61,400
Power Input (Nominal)	Cooling 1 [kW]	2.89	2.99	3.69	3.69	4.31	4.31
	Heating 2 [kW]	3.02	3.02	3.61	3.61	4.39	4.39
Energy Efficiency	EER (Nominal Cooling)	4.19	4.05	3.79	3.79	3.60	3.60
	COP (Nominal Heating)	4.47	4.47	4.43	4.43	4.10	4.10
Fan	Air Flow Rate (High / Mid / Low) [CMM]	100	100	100	100	100	100
	Installation Max. Length [m]	150	150	150	150	150	150
Piping Connections	Installation Max. Height [m]	50.0	50.0	50.0	50.0	50.0	50.0
	Type	R410A	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	50.0	50.0	51.0	51.0	55.0	55.0
	Sound Power [dB(A)]	66.0	66.0	67.0	67.0	69.0	69.0
External Dimension (Outdoor Unit)	Net Weight [kg]	100.0	100.0	100.0	100.0	103.0	103.0
	Net Dimensions (WxHxD) [mm]	940 x 1,210 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	940 x 1,210 x 330

Model Code	AM08BFXMDEH	AM09BFXMDEH	AM10BFXMDEH	AM12BFXMDEH	AM15BFXMDEH	AM18BFXMDEH	AM24BFXMDEH
Power Supply (Outdoor Unit) (0, #, V, Hz)	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Performance (Nominal)	HP	8.00	10.00	12.00	12.00	14.00	14.00
Capacity	Cooling [kW]	22.40	27.99	33.50	33.50	40.00	40.00
	Cooling [Btu/h]	76,400	95,500	114,300	114,300	136,500	136,500
	Heating [kW]	25.00	31.51	37.51	37.51	44.99	44.99
	Heating [Btu/h]	85,300	107,500	128,000	128,000	155,500	155,500
Power Input (Nominal)	Cooling 1 [kW]	5.72	7.29	8.77	8.77	10.59	10.59
	Heating 2 [kW]	4.88	6.74	7.83	7.83	9.88	9.88
Energy Efficiency	EER (Nominal Cooling)	3.92	3.84	3.82	3.82	3.78	3.78
	COP (Nominal Heating)	5.12	4.68	4.79	4.79	4.55	4.55
Fan	Air Flow Rate (High / Mid / Low) [CMM]	135	165	165	166	180	180
	Installation Max. Length [m]	100	160	160	160	160	160
Piping Connections	Installation Max. Height [m]	30.0	50.0	50.0	50.0	50.0	50.0
	Type	R410A	R410A	R410A	R410A	R410A	R410A
Sound	Sound Pressure [dB(A)]	56.0	58.0	59.0	59.0	62.0	62.0
	Sound Power [dB(A)]	74.0	74.0	76.0	76.0	79.0	79.0
External Dimension (Outdoor Unit)	Net Weight [kg]	135.0	145.0	155.0	155.0	162.0	162.0
	Net Dimensions (WxHxD) [mm]	940 x 1,420 x 330	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460

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 1) Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 75m, 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 : 75m, Level differences : 0m.
 3) Nominal cooling at 4°C DB, 6°C WB are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 46°C DB, 24°C WB, Equivalent refrigerant piping : 75m, Level differences : 0m.

DVM S Eco Desert

Specification



Model Code	AM04DXXMFEH	AM05DXXMFEH	AM06DXXMFEH	AM08DXXMFEH	AM10DXXMFEH	AM12DXXMFEH	AM15DXXMFEH
Power Supply (Outdoor Unit) (0, #, V, Hz)	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50
Performance (Nominal)	HP	4.00	5.00	6.00	8.00	10.00	10.00
Capacity	Cooling 1 [kW]	12.10	14.00	14.00	16.00	22.39	27.99
	Cooling [Btu/h]	41,300	47,800	47,800	54,600	76,400	95,500
	Cooling 3 [kW]	10.00	11.60	11.60	13.20	18.99	25.00
	Cooling [Btu/h]	34,100	39,600	39,600	45,000	64,800	85,200
Power Input (Nominal)	Heating 2 [kW]	13.50	16.00	16.00	18.00	25.20	31.51
	Heating [Btu/h]	46,100	54,600	54,600	61,400	86,000	107,500
Energy Efficiency	Cooling 1 [kW]	2.81	3.36	3.36	4.19	5.33	6.83
	Cooling 3 [kW]	2.85	3.35	3.35	4.40	5.43	7.00
Fan	Heating 2 [kW]	2.95	3.55	3.55	4.30	5.59	7.14
	Power Input [kW]	-	-	-	-	-	-
Piping Connections	Nominal Cooling	4.31	4.17	4.17	3.82	4.20	4.10
	Nominal Heating	3.51	3.46	3.46	3.00	3.50	3.29
Sound	Nominal Cooling	4.58	4.51	4.51	4.19	4.51	4.41
	Nominal Heating	100	120	120	120	190	190
External Dimension (Outdoor Unit)	Installation Max. Length [m]	150	150	150	150	160	160
	Installation Max. Height [m]	50.0 / 52.0	50.0 / 52.0	50.0 / 52.0	50.0 / 52.0	50.0 / 52.0	50.0 / 52.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
	Sound Pressure [dB(A)]	50.0 / 52.0	51.0 / 53.0	51.0 / 53.0	52.0 / 54.0	58.0	60.0
Sound	Sound Power [dB(A)]	-	-	-	-	74.0	77.0
	Net Weight [kg]	103.0	105.0	105.0	105.0	145.0	155.0
External Dimension (Outdoor Unit)	Net Dimensions (WxHxD) [mm]	940 x 1,210 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,420 x 330	940 x 1,630 x 460	940 x 1,630 x 460

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 1) Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 75m, 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 : 75m, Level differences : 0m.
 3) Nominal cooling at 4°C DB, 6°C WB are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 46°C DB, 24°C WB, Equivalent refrigerant piping : 75m, Level differences : 0m.

Indoor Units



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.



360 Cassette

Comfortably cool, not cold

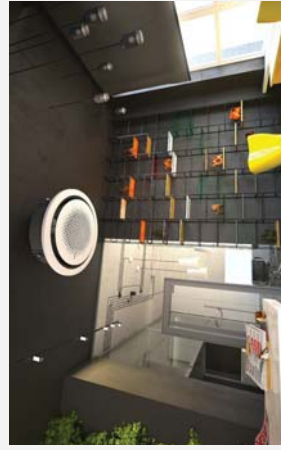
A bladeless design softly disperses cool air across the room, making you comfortably cool without feeling a cold draft**. With no blades to block the air flow, it also expels 25% more air* and spreads it farther.



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

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.)

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.



Booster Fan™

All round simpler & intuitive control

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

* Optional.



360 Cassette Specification

Model Code	AM056KN/DEH	AM076KN/DEH	AM096KN/DEH	AM126KN/DEH	AM146KN/DEH
Features	360 CASSETTE	360 CASSETTE	360 CASSETTE	360 CASSETTE	360 CASSETTE
Power Supply (Indoor Unit) (Ø, #, V, Hz)	12,220-240,50	12,220-240,50	12,220-240,50	12,220-240,50	12,220-240,50
System	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity					
Cooling 2) [kW]	4.50	5.60	7.10	9.00	9.00
Cooling 2) [Btu/h]	15,400	19,100	24,200	30,700	30,700
Heating 2) [kW]	5.00	6.30	8.00	10.00	10.00
Heating 2) [Btu/h]	17,100	21,500	27,300	34,100	34,100
Power Input (Nominal)					
Cooling 1) [W]	26.00	30.00	34.00	35.00	55.00
Heating 1) [W]	26.00	30.00	34.00	34.00	55.00
Fan					
Motor (Output) [W]	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1
Air Flow Rate (High / Mid / Low) [CMV]	14.50/13.50/12.50	16.00/14.50/13.50	18.00/16.00/14.00	22.00/18.50/16.00	22.00/18.50/16.00
Liquid Pipe (Ø,mm, inch)	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	15.88 (5/8")
Piping Connections					
Gas Pipe (Ø,mm, inch)	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
Drain Pipe (Ø,mm)	VP25 (OD:32,ID:25)	VP25 (OD:32,ID:25)	VP25 (OD:32,ID:25)	VP25 (OD:32,ID:25)	VP25 (OD:32,ID:25)
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	40.0/36.0/32.0
Sound Power	50.0	51.0	53.0	57.0	57.0
External Dimension (Indoor Unit)					
Net Weight (kg)	21.00	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	947 x 281 x 947
Panel Model	Square WH: PCANUDMAN / Square BL: PCANBDMAN / Circle WH: PCANUNMAN / Circle BL: PCANBNMAN	Square WH: PCANUDMAN / Square BL: PCANBDMAN / Circle WH: PCANUNMAN / Circle BL: PCANBNMAN	Square WH: PCANUDMAN / Square BL: PCANBDMAN / Circle WH: PCANUNMAN / Circle BL: PCANBNMAN	Square WH: PCANUDMAN / Square BL: PCANBDMAN / Circle WH: PCANUNMAN / Circle BL: PCANBNMAN	Square WH: PCANUDMAN / Square BL: PCANBDMAN / Circle WH: PCANUNMAN / Circle BL: PCANBNMAN
Panel Size					
Panel Net Weight (kg)					
Net Dimensions (WxHxD) (mm)					
	Square: 3.60 / Circle: 2.70	Square: 3.60 / Circle: 2.70	Square: 3.60 / Circle: 2.70	Square: 3.60 / Circle: 2.70	Square: 3.60 / Circle: 2.70
	Square: 1000 x 66 x 1000 / Circle: 1050 x 94 x 1050	Square: 1000 x 66 x 1000 / Circle: 1050 x 94 x 1050	Square: 1000 x 66 x 1000 / Circle: 1050 x 94 x 1050	Square: 1000 x 66 x 1000 / Circle: 1050 x 94 x 1050	Square: 1000 x 66 x 1000 / Circle: 1050 x 94 x 1050

Model Code	AM126KN/DEH	AM126KN/DEH	AM126KN/DEH	AM146KN/DEH
Features	360 CASSETTE	360 CASSETTE	360 CASSETTE	360 CASSETTE
Power Supply (Indoor Unit) (Ø, #, V, Hz)	12,220-240,50	12,220-240,50	12,220-240,50	12,220-240,50
System	HP/HR	HP/HR	HP/HR	HP/HR
Capacity				
Cooling 2) [kW]	11.20	12.80	14.00	14.00
Cooling 2) [Btu/h]	38,200	43,700	47,800	47,800
Heating 2) [kW]	12.50	13.80	16.00	16.00
Heating 2) [Btu/h]	42,700	47,100	54,600	54,600
Power Input (Nominal)				
Cooling 1) [W]	53.00	77.00	91.00	91.00
Heating 1) [W]	53.00	77.00	91.00	91.00
Fan				
Motor (Output) [W]	97 x 1	97 x 1	97 x 1	97 x 1
Air Flow Rate (High / Mid / Low) [CMV]	25.50/21.00/17.50	29.50/24.00/19.00	31.50/26.50/21.00	31.50/26.50/21.00
Liquid Pipe (Ø,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
Piping Connections				
Gas Pipe (Ø,mm, inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
Drain Pipe (Ø,mm)	VP25 (OD:32,ID:25)	VP25 (OD:32,ID:25)	VP25 (OD:32,ID:25)	VP25 (OD:32,ID:25)
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	44.0/40.0/35.0
Sound Power	58.0	60.0	61.0	61.0
External Dimension (Indoor Unit)				
Net Weight (kg)	24.00	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	947 x 365 x 947
Panel Model	Square WH: PCANUDMAN / Square BL: PCANBDMAN / Circle WH: PCANUNMAN / Circle BL: PCANBNMAN	Square WH: PCANUDMAN / Square BL: PCANBDMAN / Circle WH: PCANUNMAN / Circle BL: PCANBNMAN	Square WH: PCANUDMAN / Square BL: PCANBDMAN / Circle WH: PCANUNMAN / Circle BL: PCANBNMAN	Square WH: PCANUDMAN / Square BL: PCANBDMAN / Circle WH: PCANUNMAN / Circle BL: PCANBNMAN
Panel Size				
Panel Net Weight (kg)				
Net Dimensions (WxHxD) (mm)				
	Square: 3.60 / Circle: 2.70	Square: 3.60 / Circle: 2.70	Square: 3.60 / Circle: 2.70	Square: 3.60 / Circle: 2.70
	Square: 1000 x 66 x 1000 / Circle: 1050 x 94 x 1050	Square: 1000 x 66 x 1000 / Circle: 1050 x 94 x 1050	Square: 1000 x 66 x 1000 / Circle: 1050 x 94 x 1050	Square: 1000 x 66 x 1000 / Circle: 1050 x 94 x 1050



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

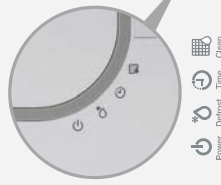


Classic Pattern



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

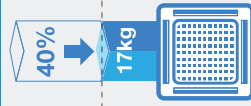
With the remote controller, users can individually set the opening angles of the four blades at the same angle or different angles within a 32° - 65° range to create just the right atmosphere.



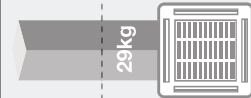
Lightweight build

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.

4 Way Cassette



Conventional



*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.

Fan Speed Adjustment



*Based on 10KW

4 Way Cassette

Specification



Model Code	AM05FN4DEH	AM056FN4DEH	AM07FN4DEH	AM09FN4DEH
Features	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	HP/HR	HP/HR	HP/HR	HP/HR
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
Cooling 1) (kW)	32.00	32.00	45.00	62.00
Heating 1) (kW)	32.00	32.00	45.00	62.00
Motor (Output) (W)	-	-	-	-
Fan	Air Flow Rate (High / Mid / Low) (CMV)	14,500/13,500/12,500	15,000/14,000/13,000	17,000/15,500/14,500
	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")
Piping Connections	Gas Pipe (Φ,mm)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)
	Drain Pipe (Φ,mm)	33.0/32.0/30.0	33.0/32.0/30.0	35.0/34.0/33.0
Sound	Sound Pressure (High / Mid / Low) (dB(A))	48.0	50.0	54.0
	Sound Power	15.50	15.50	15.50
External Dimension (Indoor Unit)	Net Weight (kg)	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
	Net Dimensions (WxHxD) (mm)	Waffle WH: PCANUSKAN / Waifle BL: PCANBSKAN / Stripe WH: PCANUSKEN		
Panel Model	Panel Net Weight (kg)	5.80		
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950		

Model Code	AM12FN4DEH	AM126FN4DEH	AM14FN4DEH	AM146FN4DEH
Features	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	HP/HR	HP/HR	HP/HR	HP/HR
Cooling 2) (kW)	11.20	12.80	14.00	14.00
Cooling 2) (Btu/h)	38,200	43,700	47,800	47,800
Heating 2) (kW)	12.50	13.80	15.00	16.00
Heating 2) (Btu/h)	42,700	47,100	51,600	54,600
Cooling 1) (kW)	78.00	78.00	73.00	89.00
Heating 1) (kW)	78.00	78.00	73.00	89.00
Motor (Output) (W)	-	-	-	-
Fan	Air Flow Rate (High / Mid / Low) (CMV)	26,000/24,000/22,000	28,000/26,000/23,000	30,000/28,000/26,000
	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")
Piping Connections	Gas Pipe (Φ,mm)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)
	Drain Pipe (Φ,mm)	40.0/38.0/35.0	42.0/40.0/35.0	44.0/41.0/35.0
Sound	Sound Pressure (High / Mid / Low) (dB(A))	57.0	58.0	60.0
	Sound Power	17.00	16.00	19.00
External Dimension (Indoor Unit)	Net Weight (kg)	840 x 246 x 840	840 x 286 x 840	840 x 286 x 840
	Net Dimensions (WxHxD) (mm)	Waffle WH: PCANUSKAN / Waifle BL: PCANBSKAN / Stripe WH: PCANUSKEN		
Panel Model	Panel Net Weight (kg)	5.80		
	Net Dimensions (WxHxD) (mm)	950 x 45 x 950		



4 Way Cassette (600 x 600)

Tasteful design, compact, lightweight build

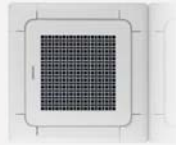
Refine the interior with an elegant, compact design

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



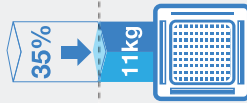
Classic Pattern



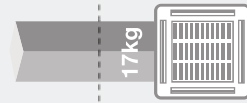
Light, robust design

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.

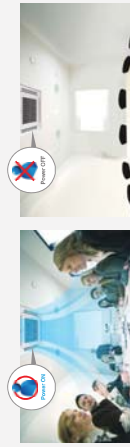


Create a flawless atmosphere with innovative motion-controlled operation

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	AM02BRNDEH	AM02FNDDEH	AM02BRNDEH
Features	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)
Power Supply (Indoor Unit) (Ø, #, V, Hz)	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	1.50	2.20
	Cooling 2) [Btu/h]	5,100	7,500
	Heating 2) [kW]	1.70	2.50
	Heating 2) [Btu/h]	5,800	8,500
Power Input (Nominal)	Cooling 1) [W]	18,000	18,000
	Heating 1) [W]	18,000	18,000
Fan	Motor (Output) [W]	65 x 1	65 x 1
	Air Flow Rate (High / Mid / Low) [CKM]	8.50/7.20/6.50	9.00/7.70/6.50
	Liquid Pipe (Ø,mm, inch)	6.35	6.35
Piping Connections	Gas Pipe (Ø,mm, inch)	12.70	12.70
	Drain Pipe (Ø,mm)	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
	Sound Power	46.0	47.0
External Dimension (Indoor Unit)	Net Weight (kg)	12.00	12.00
	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
	Net Dimensions (WxHxD) (mm)	670 x 45 x 670	670 x 45 x 670

Model Code	AM02BRNDEH	AM02FNDDEH	AM02BRNDEH	AM02FNDDEH
Features	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)	4 Way CASSETTE (600x600)
Power Supply (Indoor Unit) (Ø, #, V, Hz)	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling 2) [kW]	3.60	4.50	5.60
	Cooling 2) [Btu/h]	12,500	15,400	19,100
	Heating 2) [kW]	4.00	5.00	6.30
	Heating 2) [Btu/h]	13,600	17,000	21,500
Power Input (Nominal)	Cooling 1) [W]	20,000	25,000	28,000
	Heating 1) [W]	20,000	23,000	28,000
Fan	Motor (Output) [W]	65 x 1	65 x 1	65 x 1
	Air Flow Rate (High / Mid / Low) [CKM]	10.50/9.50/8.00	11.50/10.20/9.00	13.00/11.00/9.50
	Liquid Pipe (Ø,mm, inch)	6.35	6.35	6.35
Piping Connections	Gas Pipe (Ø,mm, inch)	12.70	12.70	12.70
	Drain Pipe (Ø,mm)	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	36.0/24.0/22.0	39.0/26.0/23.0
	Sound Power	51.0	53.0	56.0
External Dimension (Indoor Unit)	Net Weight (kg)	12,000	12,000	12,000
	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)	2.70	2.70	2.70
	Net Dimensions (WxHxD) (mm)	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670



MIR-MEDN MIR-SHUN MDS-SDN MDS-SDO

PC4SUSMAN PC4SUSMAN

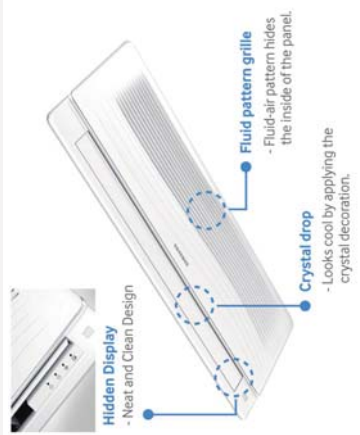
MC-S9A

1 Way Cassette

Visually appealing panel

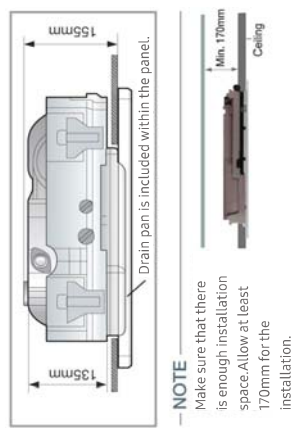
Enhance any décor with refined elegance and comfort

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.



Panel area has been reduced by 30%.



1 Way Cassette

Specification



Model Code	AM07HNDEH	AM02HNDEH	AM02ZHNDEH
Features	1 Way CASSETTE	1 Way CASSETTE	1 Way CASSETTE
Power Supply (Indoor Unit) (Ø, #, V, Hz)	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	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
Cooling 1) [W]	24.00	25.00	40.00
Heating 1) [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) [CMX]	4.80/4.30/4.10	5.10/4.60/4.30	6.00/5.00/4.00
Liquid Pipe (Ø,mm, inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
Gas Pipe (Ø,mm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")
Piping Connections			
Gas Pipe (Ø,mm, inch)	VP20 (OD 25.10 20)	VP20 (OD 25.10 20)	VP20 (OD 25.10 20)
Drain Pipe (Ø,mm)	27.0/24.0/21.0	27.0/25.0/23.0	27.0/25.0/23.0
Sound			
Sound Power	45.0	46.0	-
External Dimension (Indoor Unit)			
Net Weight (kg)	8.00	8.00	10.50
Net Dimensions (WxHxD) (mm)	740 x 135 x 340	740 x 135 x 340	970 x 135 x 410
Panel Model	PC1M5MSMAN	PC1M5MSMAN	Fluid - PC1N5MSMAN / Sliding - PC1N5PMAN
Panel Net Weight (kg)	2.60	2.60	5.50
Net Dimensions (WxHxD) (mm)	900 x 25 x 420	900 x 25 x 420	1198 x 25 x 500

Model Code	AM02BNDEH	AM05BNDEH	AM05FNDEH	AM05HNDEH	AM07HNDEH
Features	1 Way CASSETTE	1 Way CASSETTE	1 Way CASSETTE	1 Way CASSETTE	1 Way CASSETTE
Power Supply (Indoor Unit) (Ø, #, V, Hz)	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity					
Cooling 2) [kW]	2.80	3.60	3.60	5.60	7.10
Cooling 2) [Btu/h]	9.600	12.300	12.300	19.100	24.200
Heating 2) [kW]	3.20	4.00	4.00	6.30	8.00
Heating 2) [Btu/h]	10.900	13.600	13.600	21.500	27.300
Cooling 1) [W]	45.00	50.00	50.00	55.00	80.00
Heating 1) [W]	45.00	50.00	50.00	55.00	80.00
Fan					
Motor (Output) [W]	17 x 1	17 x 1	17 x 1	54 x 1	54 x 1
Air Flow Rate (High / Mid / Low) [CMX]	20.0/6.00/5.00	8.00/7.00/6.00	8.00/7.00/6.00	16.00/14.00/12.50	17.00/15.50/14.00
Liquid Pipe (Ø,mm, inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")
Gas Pipe (Ø,mm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	15.88 (5/8")
Piping Connections					
Gas Pipe (Ø,mm)	VP20 (OD 25.10 20)	VP20 (OD 25.10 20)	VP20 (OD 25.10 20)	VP20 (OD 25.10 20)	VP20 (OD 25.10 20)
Drain Pipe (Ø,mm)	29.0/27.0/24.0	35.0/31.0/27.0	35.0/31.0/27.0	36.0/33.0/31.0	39.0/37.0/34.0
Sound					
Sound Power	-	58.0	58.0	58.0	60.0
External Dimension (Indoor Unit)					
Net Weight (kg)	10.50	10.50	10.50	14.50	14.50
Net Dimensions (WxHxD) (mm)	970 x 135 x 410	970 x 135 x 410	970 x 135 x 410	1200 x 138 x 450	1200 x 138 x 450
Panel Model	Fluid - PC1B5SEAN / Sliding - PC1B5PEAN	Fluid - PC1B5SEAN / Sliding - PC1B5PEAN	Fluid - PC1B5SEAN / Sliding - PC1B5PEAN	Fluid - PC1B5SEAN / Sliding - PC1B5PEAN	Fluid - PC1B5SEAN / Sliding - PC1B5PEAN
Panel Net Weight (kg)	-	-	-	6.50	6.50
Net Dimensions (WxHxD) (mm)	-	-	-	1410 x 23 x 500	1410 x 23 x 500



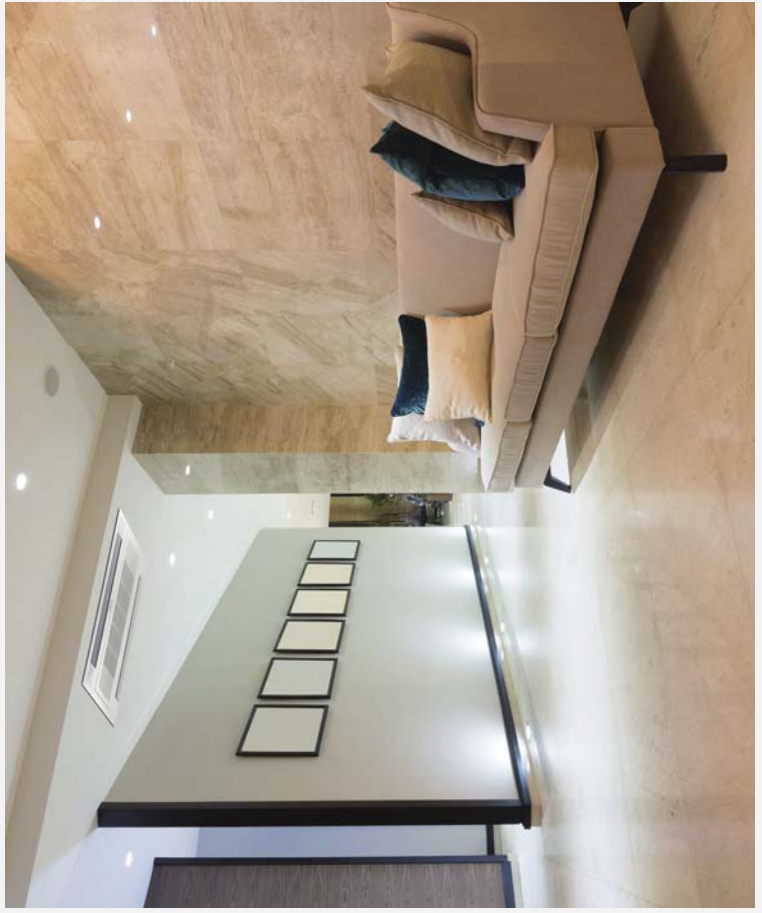
2 Way Cassette

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	AM056RNZDEH	AM077N2DEH
Features	2 Way CASSETTE (50Hz)	2 Way CASSETTE (50Hz)
Power Supply (Indoor Unit) (0, 3, 1, Hz)	1, 2, 220-240, 50	1, 2, 220-240, 50
System	HP/HR	HP/HR
Mode	5, 6, 0	7, 1, 0
Cooling 2l [kW]	19, 100	24, 200
Cooling 2l [Btu/h]	6, 30	8, 00
Heating 2l [kW]	21, 500	27, 500
Heating 2l [Btu/h]	70, 00	75, 00
Cooling 1l [W]	70, 00	75, 00
Heating 1l [W]	14, x 2	14, x 2
Motor (Output) [W]	14, 00/13, 00/12, 00	15, 00/14, 00/13, 00
Air Flow Rate (High / Mid / Low) [CMH]	6, 35 (1/4")	9, 32 (3/8")
Liquid Pipe (Ø, mm, inch)	12, 70 (1/2")	15, 88 (5/8")
Piping Connections	Gas Pipe (Ø, mm, inch)	VP25 (OD 32, ID 25)
Drain Pipe (Ø, mm)	VP25 (OD 32, ID 25)	41, 0 (1.61, 3/8")
Sound Pressure (High / Mid / Low) [dB(A)]	38, 0/37, 0/35, 0	41, 0/39, 0/37, 0
Sound	62, 0	65, 0
Sound Power	21, 00	22, 00
Net Weight (kg)	890 x 230 x 575	890 x 230 x 575
External Dimension (Indoor Unit)	PCZUSUMEN	PCZUSUMEN
Panel Model	4, 00	4, 00
Panel Net Weight (kg)	10, 30 x 25, x 650	10, 30 x 25, x 650
Net Dimensions (WxHxD) (mm)		



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.



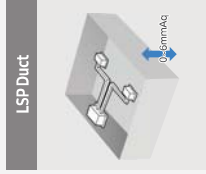
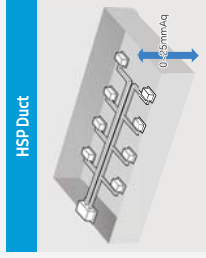
Split fan and coil

Products that are difficult to install are often challenging to use as well. Considering users' product experience from start to finish, Samsung separated the DuctS (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	AM12RHRKH	AM12RHRKH	AM12RHRKH	AM12RHRKH
Features	DUCTS	DUCTS	DUCTS	DUCTS
Power Supply (Indoor Unit) (Ø, #, V, Hz)	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	HP/HR	HP/HR	HP/HR	HP/HR
Capacity				
Cooling 2) [kW]	11.20	12.80	14.00	14.00
Cooling 2) [Btu/h]	38,200	43,700	47,800	47,800
Heating 2) [kW]	13.80	16.00	16.00	16.00
Heating 2) [Btu/h]	47,700	54,600	54,600	54,600
Power Input (Nominal)				
Cooling 1) [W]	205.00	230.00	260.00	260.00
Heating 1) [W]	205.00	205.00	260.00	260.00
Motor (Output) [W]	350 x 1	350 x 1	350 x 1	350 x 1
Fan				
Air Flow Rate (High / Mid / Low) [CMH]	35.00/29.00/22.00	38.00/32.00/25.00	42.00/34.00/25.00	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	3.00/6.20/20.00
Liquid Pipe (Ø,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
Piping Connections				
Gas Pipe (Ø,mm, inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
Drain Pipe (Ø,mm)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)	VP25 (ØD 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	40.0/37.0/32.0
Sound Power (Cooling) [dB(A)]	63.0	63.0	65.0	65.0
External Dimension (Indoor Unit)				
Net Dimensions (WxHxD) (mm)	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700
Net Weight (kg)	46.50	46.50	46.50	46.50
Additional Accessories				
Drain pump (Optional)	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP

Model Code	AM23LHRKH	AM23LHRKH	AM23LHRKH	AM23RPHDEH
Features	HSP DUCT	HSP DUCT	HSP DUCT	HSP DUCT
Power Supply (Indoor Unit) (Ø, #, V, Hz)	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	HP/HR	HP/HR	HP/HR	HP/HR
Capacity				
Cooling 2) [kW]	18.00	22.40	28.00	28.00
Cooling 2) [Btu/h]	61,400	76,400	95,500	95,500
Heating 2) [kW]	20.00	25.00	31.50	31.50
Heating 2) [Btu/h]	68,200	85,300	107,500	107,500
Power Input (Nominal)				
Cooling 1) [W]	340.00	340.00	790.00	790.00
Heating 1) [W]	340.00	530.00	790.00	790.00
Motor (Output) [W]	650 x 1	650 x 1	400 x 1	400 x 1
Fan				
Air Flow Rate (High / Mid / Low) [CMH]	58.00/50.00/43.00	72.00/61.00/50.00	72.00/65.00/58.00	72.00/65.00/58.00
External Pressure (Min / Std / Max) [mmAq]	5.00/7.34/20.00	5.00/7.34/20.00	5.00/7.34/20.00	5.00/7.34/20.00
Liquid Pipe (Ø,mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
Piping Connections				
Gas Pipe (Ø,mm, inch)	19.05 (3/4")	19.05 (3/4")	22.22 (7/8")	22.22 (7/8")
Drain Pipe (Ø,mm)	VP25 (ØD 25, ID 20)	VP25 (ØD 25, ID 20)	VP25 (ØD 25, ID 20)	VP25 (ØD 25, ID 20)
Sound				
Sound Pressure (High / Mid / Low) [dB(A)]	43.0/39.0/35.0	44.0/40.0/34.0	48.0/46.0/43.0	48.0/46.0/43.0
Sound Power (Cooling) [dB(A)]	80.0	81.0	79.0	79.0
External Dimension (Indoor Unit)				
Net Dimensions (WxHxD) (mm)	1350 x 450 x 910	1350 x 450 x 910	1240 x 470 x 1040	1240 x 470 x 1040
Net Weight (kg)	82.50	82.50	89.00	89.00
Additional Accessories				
Drain pump (Optional)	MDP-G075SP	MDP-G075SP	MDP-NA075NCTD	MDP-NA075NCTD



MSP Duct

Silent, strong performance

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



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.

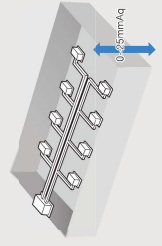


Concealed behind the ceiling, Samsung MSP Duct provides powerful yet silent operation with external static pressure control. Its exceptional static pressure enables a broad coverage area and provides stable, efficient performance in larger spaces.

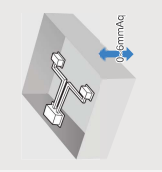
Extensive coverage

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

MSP Duct



LSP Duct



MSP Duct Specification



Model Code	AM022F/NMDEH	AM028F/NMDEH	AM038F/NMDEH	AM040F/NMDEH	AM056F/NMDEH	AM056F/NMDEH
Features	MSP DUCT	MSP DUCT	MSP DUCT	MSP DUCT	MSP DUCT	MSP DUCT
Power Supply (Indoor Unit) (Ø, #, V, Hz)	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity						
Cooling 2) [kW]	2.20	2.80	3.60	4.50	5.60	19100
Cooling 2) [Btu/h]	7500	9,600	12,300	15,400	19,100	19100
Heating 2) [kW]	2.50	3.20	4.00	5.00	6.30	21,500
Heating 2) [Btu/h]	8,500	10,900	13,600	17,000	21,500	21,500
Power Input (Nominal)						
Cooling 1) [W]	80.00	80.00	85.00	125.00	130.00	130.00
Heating 1) [W]	80.00	80.00	85.00	125.00	130.00	130.00
Motor (Output) [W]	69 x 1	69 x 1	112 x 1	219 x 1	124 x 1	124 x 1
Fan						
Air Flow Rate (High / Mid / Low) [CMH]	8,500/7,500/6,300	10,000/9,200/7,500	12,000/10,200/8,800	14,000/12,000/10,500	14,500/13,000/11,500	14,500/13,000/11,500
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
Liquid Pipe (Ø, 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")
Piping Connections	Gas Pipe (Ø, mm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")
Drain Pipe (Ø, mm)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)
Sound						
Sound Pressure (High / Mid / Low) [dB(A)]	23.0/21.0/19.0	24.0/22.0/19.0	26.0/23.0/21.0	32.0/30.0/28.0	35.0/33.0/31.0	35.0/33.0/31.0
Sound Power (Cooling) [dB(A)]	47.0	48.0	60.0	63.0	66.0	66.0
External Dimension (Indoor Unit)						
Net Weight (kg)	23.50	23.50	23.50	29.00	29.00	29.00
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
Additional Accessories	Drain pump (Optional)	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D	MDP-E075SEE3D

Model Code	AM077F/NMDEH	AM090F/NMDEH	AM121F/NMDEH	AM128F/NMDEH	AM160K/NMDEH	AM160K/NMDEH
Features	MSP DUCT	MSP DUCT	MSP DUCT	MSP DUCT	MSP DUCT	MSP DUCT
Power Supply (Indoor Unit) (Ø, #, V, Hz)	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity						
Cooling 2) [kW]	7.00	9.00	11.20	12.80	14.00	16.00
Cooling 2) [Btu/h]	24,000	30,700	38,200	43,700	47,800	54,600
Heating 2) [kW]	8.00	10.00	12.50	13.80	16.00	18.00
Heating 2) [Btu/h]	27,300	34,100	42,700	47,000	54,600	61,400
Power Input (Nominal)						
Cooling 1) [W]	190.00	240.00	260.00	370.00	410.00	485.00
Heating 1) [W]	190.00	240.00	260.00	370.00	410.00	485.00
Motor (Output) [W]	124 x 1	130 x 1	130 x 1	218 x 1	218 x 1	370 x 1
Fan						
Air Flow Rate (High / Mid / Low) [CMH]	18,500/17,000/15,500	19,500/18,000/16,500	27,000/25,000/23,000	32,000/30,000/28,000	37,000/34,000/31,000	43,000/38,000/30,500
External Pressure (Min / Std / Max) [mmAq]	0.00/6.00/8.00	4.00/6.00/8.00	4.00/8.00/12.00	4.00/8.00/14.00	4.00/8.00/14.00	4.00/8.00/14.00
Liquid Pipe (Ø, mm, inch)	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
Piping Connections	Gas Pipe (Ø, mm, inch)	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
Drain Pipe (Ø, mm)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)
Sound						
Sound Pressure (High / Mid / Low) [dB(A)]	39.0/35.0/31.0	40.0/37.0/34.0	41.0/40.0/38.0	41.0/40.0/38.0	42.0/39.0/36.0	45.0/40.0/36.0
Sound Power (Cooling) [dB(A)]	71.0	71.0	72.0	72.0	73.0	69.0
External Dimension (Indoor Unit)						
Net Weight (kg)	29.00	34.00	36.00	52.00	52.00	-
Net Dimensions (WxHxD) (mm)	900 x 260 x 480	1150 x 260 x 480	1150 x 360 x 480	1200 x 360 x 650	1200 x 360 x 650	1200 x 360 x 650
Additional Accessories	Drain pump (Optional)	MDP-M075SGU3D	MDP-M075SGU3D	MDP-M075SGU3D	MDP-M075SGU3D	MDP-M075SGU3D



LSP Duct

Ultra-light, adaptable design

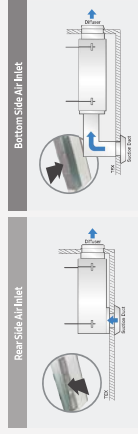


Temper any environment with industry-best lightweight design and optimized airflow

The new Samsung LSP 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.



Simple drain pump installation

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

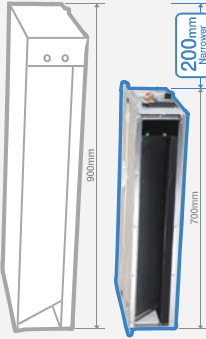


Various installation options

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

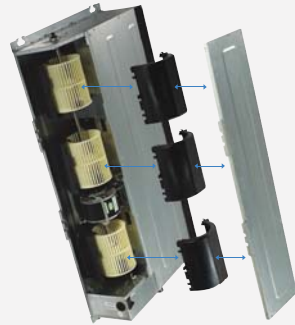
World's lightest weight

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



Easy access, easy maintenance

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



LSP Duct

Specification



Model Code	AM07FNLDEH	AM02FNLDEH	AM02BFLNDEH	AM056FNLDEH	AM045FNLDEH
Features	LSP Duct	LSP Duct	LSP Duct	LSP Duct	LSP Duct
Power Supply (Indoor Unit) (0, #, 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	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity					
Cooling 2l [kW]	1.70	2.20	2.80	3.60	4.50
Cooling 2l [Btu/h]	5,800	7,500	9,600	12,300	15,400
Heating 2l [kW]	1.90	2.50	3.20	4.00	5.00
Heating 2l [Btu/h]	6,500	8,500	10,900	13,600	17,100
Power Input (Nominal)					
Cooling 1l [W]	55.00	55.00	60.00	65.00	90.00
Heating 1l [W]	55.00	55.00	60.00	65.00	90.00
Motor (Output) [W]	41 x 1	69 x 1	-	-	-
Fan					
Air Flow Rate (High / Mid / Low) [CMH]	5,504/3,030/3,200	7,006/4,015/3,300	7,510/4,607/5,600	7,510/4,607/5,600	11,009/6,407/8,300
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
Liquid Pipe (Ø, mm, inch)	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")	6.35 (1/4")
Piping Connections					
Gas Pipe (Ø, mm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")
Drain Pipe (Ø, mm)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound					
Sound Power (Cooling) [dB(A)]	23.0/22.0/20.0	26.0/24.0/21.0	28.0/26.0/23.0	32.0/30.0/27.0	35.0/33.0/28.0
Sound Pressure (High / Mid / Low) [dB(A)]	49.0	49.0	49.0	51.0	53.0
External Dimension (Indoor Unit)					
Net Weight (kg)	19.00	19.00	19.00	19.50	23.50
Net Dimensions (WxHxD) (mm)	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	700 x 199 x 600	900 x 199 x 600
Additional Accessories					
Drain pump (Optional)	MDP-E0755EE3D	MDP-E0755EE3D	MDP-E0755EE3D	MDP-E0755EE3D	MDP-E0755EE3D

Model Code	AM07FNLDEH	AM099FNLDEH	AM12FNLDEH	AM12BFLNDEH	AM12FNLDEH
Features	LSP Duct	LSP Duct	LSP Duct	LSP Duct	LSP Duct
Power Supply (Indoor Unit) (0, #, 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	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Capacity					
Cooling 2l [kW]	5.60	9.00	11.20	12.80	14.00
Cooling 2l [Btu/h]	19,100	30,700	38,200	43,700	47,800
Heating 2l [kW]	6.30	8.00	10.00	12.50	13.80
Heating 2l [Btu/h]	21,500	27,500	34,100	42,700	47,100
Power Input (Nominal)					
Cooling 1l [W]	95.00	120.00	170.00	200.00	220.00
Heating 1l [W]	95.00	120.00	170.00	200.00	220.00
Motor (Output) [W]					
Air Flow Rate (High / Mid / Low) [CMH]	12,000/10,500/9,000	16,500/15,000/13,500	29,000/27,000/25,000	31,200/29,000/27,000	34,000/32,000/30,000
External Pressure (Min / Std / Max) [mmAq]	0.00/2.00/4.00	0.00/2.00/4.00	0.00/3.00/6.00	0.00/3.00/6.00	0.00/3.00/6.00
Liquid Pipe (Ø, mm, inch)	6.35 (1/4")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
Piping Connections					
Gas Pipe (Ø, mm, inch)	12.70 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
Drain Pipe (Ø, mm)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound					
Sound Power (Cooling) [dB(A)]	36.0/34.0/31.0	38.0/36.0/33.0	37.0/36.0/34.0	37.0/36.0/34.0	39.0/38.0/35.0
Sound Pressure (High / Mid / Low) [dB(A)]	55.0	57.0	66.0	66.0	68.0
External Dimension (Indoor Unit)					
Net Weight (kg)	23.50	30.00	44.00	44.00	46.00
Net Dimensions (WxHxD) (mm)	900 x 199 x 600	1100 x 199 x 600	1300 x 295 x 690	1300 x 295 x 690	1300 x 295 x 690
Additional Accessories					
Drain pump (Optional)	MDP-E0755EE3D	MDP-E0755EE3D	MDP-E0755EE3D	MDP-E0755EE3D	MDP-E0755EE3D



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.

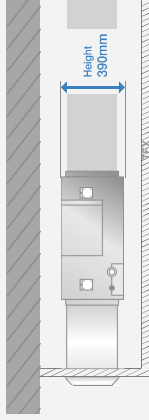


Full-range temperature processing

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.

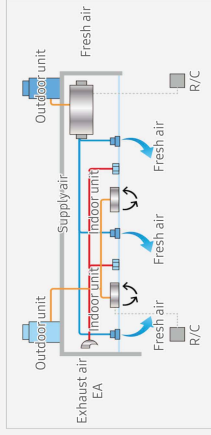
Flexible installation

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	AM220JNEPEH	AM230JNEPEH
Type	OAP Duct	OAP Duct	OAP Duct
Power Supply (Indoor Unit) (0, 1, V/Hz)	1,220V-240,50	1,220V-240,50	1,220V-240,50
System	HP/HR	HP/HR	HP/HR
Cooling 2) [kW]	14.00	24.40	28.00
Cooling 2) [Btu/h]	47800	76,400	95,500
Heating 2) [kW]	8.90	13.90	17.40
Heating 2) [Btu/h]	30,400	47,400	59,400
Cooling 1) [W]	220.00	300.00	370.00
Heating 1) [W]	220.00	300.00	370.00
Motor (Output) [W]	183 x 1	400 x 1	400 x 1
Fan	Air Flow Rate (High / Mid / Low) [CMH]	28,000 / - / -	35,000 / - / -
	External Pressure (Min / Std / Max) [mmAq]	5,000 / 2,345 / 25,000	10,000 / 3,450 / 27,500
Piping Connections	Liquid Pipe (Ø, mm, inch)	9.52 (3/8")	9.52 (3/8")
	Gas Pipe (Ø, mm, inch)	15.88 (5/8")	19.05 (3/4")
	Drain Pipe (Ø, mm)	VP25 (ØD 32, ID 25)	VP25 (ØD 32, ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	42.0 / - / -	46.0 / - / -
	Sound Power (Cooling) [dB(A)]	65.0	66.0
External Dimension (Indoor Unit)	Net Weight (kg)	51.00	85.00
Accessories	Net Dimensions (W×H×D) (mm)	1110 x 390 x 650	1240 x 470 x 1040
	Drain pump (Optional)	MDP-NI047SNK00	MDP-NI047SNK1D



Wall Mounted (Neo Forte)

Fresh and pleasant cooling

An enhanced sleeping environment

One of the priorities of hotel operators and developers is to ensure that their occupants can sleep without interruption. Our Good'sleep feature will create the ideal bedroom climate, controlling and adjusting temperature to support the three vital stages of sleep. The unit eases users into the primary "falling asleep" stage by lowering the room temperature. It then raises it for optimum relaxation during the "sound sleep" phase, before shifting to allow a natural, comfortable "wake-up" period with intermittent bursts of air. This feature saves you up to 36 percent more in energy consumption than standard cooling modes whilst ensuring top quality sleep.

Smart technology

The solution for residential buildings requiring a flexible, efficient and reliable air conditioning system.

Stylish design

The air conditioner is a large part of your interior so Samsung paid special attention to its design.



Good sleep

Samsung's Good'sleep II ensures your environment stays at the most comfortable temperature with automatic moisture adjustment to guarantee a good night's sleep.



SAMSUNG 35.8% up to 5%
Competitor 30.8%
 [Operation: 8hrs]

Virus doctor

Virus Doctor improves your indoor air quality by eliminating the biological contaminants such as viruses, bacteria, and allergens causing agents that threaten your health.

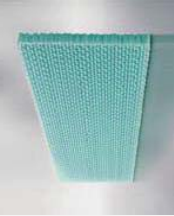
Deodorizing filter

Our environmentally-friendly deodorizing filter system keeps air fresh in a broad variety of situations and climates. By choosing this unique system, users can be confident that all traces of unpleasant odors are eliminated, leaving them with clean and fresh air. This not only creates a more pleasant environment, but also a healthier one, and is bound to boost customer satisfaction.

Silver-Coated Filter



Catechin Filter



Individual Controllers (Optional)



MPR-NEON MPR-SDION MPR-SDION

Wireless Remote Controller (Default)



MR-ER60

Wall Mounted (Neo Forte, EEV included)

Specification



Model Code	AM03FHQDEH	AM02ZFQDEH	AM0238QDEH	AM03FNQDEH	AM035FNQDEH	AM07BRQDEH
Features	NEO FORTE	NEO FORTE	NEO FORTE	NEO FORTE	NEO FORTE	NEO FORTE
Power Supply (Indoor Unit) (Ø, #, V, Hz)	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Cooling 2l (kW)	1.50	2.20	2.80	3.60	4.50	6.80
Cooling 2l (Btu/h)	5100	7500	9600	12300	15400	23200
Heating 2l (kW)	1.70	2.50	3.20	4.00	5.00	7.00
Heating 2l (Btu/h)	5,800	8,500	10,900	13,600	17,000	23,900
Power Input (Nominal)	25.00	25.00	25.00	30.00	40.00	50.00
Heating 2l (W)	25.00	25.00	25.00	30.00	40.00	50.00
Fan	23 x1	23 x1	23 x1	23 x1	40 x1	40 x1
Motor Output (W)	5,40/5.0/4.80	7.80/6.80/5.80	7.80/6.80/5.80	9.30/8.30/7.30	11.70/10.20/8.70	13.00/10.50/9.00
Air Flow Rate (High / Mid / Low) (CMH)	6.35 (14F)	6.35 (14F)	6.35 (14F)	6.35 (14F)	6.35 (14F)	6.35 (14F)
Piping Connections	Liquid Pipe (Ømm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")
Refrigerant	Gas Pipe (Ømm, inch)	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")	12.70 (1/2")
Control Method	Drain Pipe (Ømm)	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) (dB(A))	26.0/25.0/24.0	31.0/29.0/26.0	31.0/29.0/26.0	37.0/33.0/29.0	39.0/37.0/34.0
External Dimension (Indoor Unit)	Net Weight (kg)	43.0	49.0	49.0	54.0	55.0
	Net Dimensions (WxHxD) (mm)	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1065 x 298 x 218
		8.80	8.30	8.30	13.50	13.50
		825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1065 x 298 x 218	1065 x 298 x 218

Wall Mounted (AR5000 Series)

Triangular design, powerful cooling

Cool every corner of the room with a unique, efficiency-boosting design

Samsung AR9000, 7000, 5000 Series units are designed with efficiency in mind. Their uniquely triangular design improves performance to circulate cool and clean air throughout every inch of the room. In addition, their smart design includes easy-to-remove filters for easy management and healthier airflow.



Easy-access maintenance

Unlike conventional filters that are often difficult to access, the Samsung wall-mounted unit filter is on the outside, at the top of the device. Easy access means users can take out the filter, clean it and put it back without having to open a cover or pull hard to get it out. And its antibacterial coating filters out dust and dangerous airborne contaminants and allergens for healthier breathing.



Faster and farther cooling performance

The units' distinctive triangular design has a wider intake, so more air can be drawn in. The improved width and angle of the outlet, extra v-blades and bigger fan also ensure that air is cooled and expelled 26 percent faster and 14 meter farther than conventional model. The result is refreshingly cool air that reaches every corner of the room—with no blind spots. Their Smart Inverter also provides significantly greater energy efficiency.



Wall Mounted (AR5000, EEV included)

Specification



Model Code	AM01EJNDEH	AM02JNDEH	AM03JNDEH	AM036JNDEH	AM056JNDEH	
Features	AR5000	AR5000	AR5000	AR5000	AR5000	
Power Supply (Indoor Unit) (0#, 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	HPHR	HPHR	HPHR	HPHR	HPHR	
Capacity	Cooling 2) [kW] 2.20 Cooling 2) [Btu/h] 5100 Heating 2) [kW] 1.70 Heating 2) [Btu/h] 5800 Cooling 1) [W] 15.00 Heating 2) [W] 16.00	Cooling 2) [kW] 2.20 Cooling 2) [Btu/h] 5100 Heating 2) [kW] 2.50 Heating 2) [Btu/h] 8500 Cooling 1) [W] 15.00 Heating 2) [W] 18.00	Cooling 2) [kW] 2.20 Cooling 2) [Btu/h] 5100 Heating 2) [kW] 2.50 Heating 2) [Btu/h] 8500 Cooling 1) [W] 15.00 Heating 2) [W] 18.00	Cooling 2) [kW] 2.20 Cooling 2) [Btu/h] 5100 Heating 2) [kW] 2.50 Heating 2) [Btu/h] 8500 Cooling 1) [W] 15.00 Heating 2) [W] 18.00	Cooling 2) [kW] 2.20 Cooling 2) [Btu/h] 5100 Heating 2) [kW] 2.50 Heating 2) [Btu/h] 8500 Cooling 1) [W] 15.00 Heating 2) [W] 18.00	Cooling 2) [kW] 2.20 Cooling 2) [Btu/h] 5100 Heating 2) [kW] 2.50 Heating 2) [Btu/h] 8500 Cooling 1) [W] 15.00 Heating 2) [W] 18.00
Fan	Motor (Output) [W] 4.40/4.20/3.80 Air Flow Rate (High / Mid / Low) [CKMM] 4.40/4.20/3.80 Liquid Pipe (Ømm, inch) 6.35 6.35	Motor (Output) [W] 4.40/4.20/3.80 Air Flow Rate (High / Mid / Low) [CKMM] 4.40/4.20/3.80 Liquid Pipe (Ømm, inch) 6.35 6.35	Motor (Output) [W] 4.40/4.20/3.80 Air Flow Rate (High / Mid / Low) [CKMM] 4.40/4.20/3.80 Liquid Pipe (Ømm, inch) 6.35 6.35	Motor (Output) [W] 4.40/4.20/3.80 Air Flow Rate (High / Mid / Low) [CKMM] 4.40/4.20/3.80 Liquid Pipe (Ømm, inch) 6.35 6.35	Motor (Output) [W] 4.40/4.20/3.80 Air Flow Rate (High / Mid / Low) [CKMM] 4.40/4.20/3.80 Liquid Pipe (Ømm, inch) 6.35 6.35	Motor (Output) [W] 4.40/4.20/3.80 Air Flow Rate (High / Mid / Low) [CKMM] 4.40/4.20/3.80 Liquid Pipe (Ømm, inch) 6.35 6.35
Piping Connections	Gas Pipe (Ømm, inch) 12.70 Drain Pipe (Ømm) ID18 HOSE	Gas Pipe (Ømm, inch) 12.70 Drain Pipe (Ømm) ID18 HOSE	Gas Pipe (Ømm, inch) 12.70 Drain Pipe (Ømm) ID18 HOSE	Gas Pipe (Ømm, inch) 12.70 Drain Pipe (Ømm) ID18 HOSE	Gas Pipe (Ømm, inch) 12.70 Drain Pipe (Ømm) ID18 HOSE	
Refrigerant	Control Method EVI INCLUDED	Control Method EVI INCLUDED	Control Method EVI INCLUDED	Control Method EVI INCLUDED	Control Method EVI INCLUDED	
Sound	Sound Pressure (High / Mid / Low) [dB(A)] 28.0/25.0/24.0 Sound Power (Cooling) [dB(A)] 44.0	Sound Pressure (High / Mid / Low) [dB(A)] 28.0/25.0/24.0 Sound Power (Cooling) [dB(A)] 50.0	Sound Pressure (High / Mid / Low) [dB(A)] 28.0/25.0/24.0 Sound Power (Cooling) [dB(A)] 50.0	Sound Pressure (High / Mid / Low) [dB(A)] 28.0/25.0/24.0 Sound Power (Cooling) [dB(A)] 53.0	Sound Pressure (High / Mid / Low) [dB(A)] 28.0/25.0/24.0 Sound Power (Cooling) [dB(A)] 54.0	
External Dimension (Indoor Unit)	Net Weight (kg) 790 Net Dimensions (WxHxD) (mm) 750 x 249 x 246	Net Weight (kg) 790 Net Dimensions (WxHxD) (mm) 750 x 249 x 246	Net Weight (kg) 790 Net Dimensions (WxHxD) (mm) 750 x 249 x 246	Net Weight (kg) 790 Net Dimensions (WxHxD) (mm) 750 x 249 x 246	Net Weight (kg) 790 Net Dimensions (WxHxD) (mm) 750 x 249 x 246	

Model Code	AM056JNDEH	AM07JNDEH	AM082JNDEH	AM082JNDEH	AM082JNDEH	
Features	AR5000	AR5000	AR5000	AR5000	AR5000	
Power Supply (Indoor Unit) (0#, 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	HPHR	HPHR	HPHR	HPHR	HPHR	
Capacity	Cooling 2) [kW] 4.50 Cooling 2) [Btu/h] 19,400 Heating 2) [kW] 5.00 Heating 2) [Btu/h] 17,000 Cooling 1) [W] 31.00 Heating 2) [W] 41.00	Cooling 2) [kW] 4.50 Cooling 2) [Btu/h] 19,400 Heating 2) [kW] 5.00 Heating 2) [Btu/h] 17,000 Cooling 1) [W] 31.00 Heating 2) [W] 41.00	Cooling 2) [kW] 4.50 Cooling 2) [Btu/h] 19,400 Heating 2) [kW] 5.00 Heating 2) [Btu/h] 17,000 Cooling 1) [W] 31.00 Heating 2) [W] 41.00	Cooling 2) [kW] 4.50 Cooling 2) [Btu/h] 19,400 Heating 2) [kW] 5.00 Heating 2) [Btu/h] 17,000 Cooling 1) [W] 31.00 Heating 2) [W] 41.00	Cooling 2) [kW] 4.50 Cooling 2) [Btu/h] 19,400 Heating 2) [kW] 5.00 Heating 2) [Btu/h] 17,000 Cooling 1) [W] 31.00 Heating 2) [W] 41.00	Cooling 2) [kW] 4.50 Cooling 2) [Btu/h] 19,400 Heating 2) [kW] 5.00 Heating 2) [Btu/h] 17,000 Cooling 1) [W] 31.00 Heating 2) [W] 41.00
Fan	Motor (Output) [W] 8.90/7.50/6.00 Air Flow Rate (High / Mid / Low) [CKMM] 8.90/7.50/6.00 Liquid Pipe (Ømm, inch) 6.35 6.35	Motor (Output) [W] 8.90/7.50/6.00 Air Flow Rate (High / Mid / Low) [CKMM] 8.90/7.50/6.00 Liquid Pipe (Ømm, inch) 6.35 6.35	Motor (Output) [W] 8.90/7.50/6.00 Air Flow Rate (High / Mid / Low) [CKMM] 8.90/7.50/6.00 Liquid Pipe (Ømm, inch) 6.35 6.35	Motor (Output) [W] 8.90/7.50/6.00 Air Flow Rate (High / Mid / Low) [CKMM] 8.90/7.50/6.00 Liquid Pipe (Ømm, inch) 6.35 6.35	Motor (Output) [W] 8.90/7.50/6.00 Air Flow Rate (High / Mid / Low) [CKMM] 8.90/7.50/6.00 Liquid Pipe (Ømm, inch) 6.35 6.35	Motor (Output) [W] 8.90/7.50/6.00 Air Flow Rate (High / Mid / Low) [CKMM] 8.90/7.50/6.00 Liquid Pipe (Ømm, inch) 6.35 6.35
Piping Connections	Gas Pipe (Ømm, inch) 12.70 Drain Pipe (Ømm) ID18 HOSE	Gas Pipe (Ømm, inch) 12.70 Drain Pipe (Ømm) ID18 HOSE	Gas Pipe (Ømm, inch) 12.70 Drain Pipe (Ømm) ID18 HOSE	Gas Pipe (Ømm, inch) 12.70 Drain Pipe (Ømm) ID18 HOSE	Gas Pipe (Ømm, inch) 12.70 Drain Pipe (Ømm) ID18 HOSE	
Refrigerant	Control Method EVI INCLUDED	Control Method EVI INCLUDED	Control Method EVI INCLUDED	Control Method EVI INCLUDED	Control Method EVI INCLUDED	
Sound	Sound Pressure (High / Mid / Low) [dB(A)] 41.0/38.0/34.0 Sound Power (Cooling) [dB(A)] 57.0	Sound Pressure (High / Mid / Low) [dB(A)] 41.0/38.0/34.0 Sound Power (Cooling) [dB(A)] 57.0	Sound Pressure (High / Mid / Low) [dB(A)] 41.0/38.0/34.0 Sound Power (Cooling) [dB(A)] 57.0	Sound Pressure (High / Mid / Low) [dB(A)] 41.0/38.0/34.0 Sound Power (Cooling) [dB(A)] 61.0	Sound Pressure (High / Mid / Low) [dB(A)] 41.0/38.0/34.0 Sound Power (Cooling) [dB(A)] 65.0	
External Dimension (Indoor Unit)	Net Weight (kg) 960 Net Dimensions (WxHxD) (mm) 826 x 261 x 261	Net Weight (kg) 960 Net Dimensions (WxHxD) (mm) 826 x 261 x 261	Net Weight (kg) 960 Net Dimensions (WxHxD) (mm) 826 x 261 x 261	Net Weight (kg) 960 Net Dimensions (WxHxD) (mm) 826 x 261 x 261	Net Weight (kg) 960 Net Dimensions (WxHxD) (mm) 826 x 261 x 261	



Ceiling

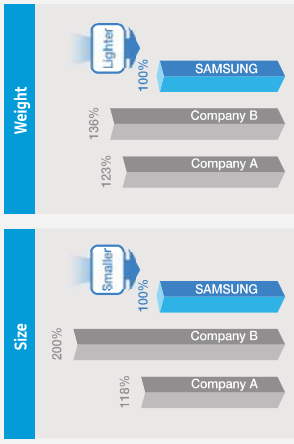
Slim yet functional design

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.

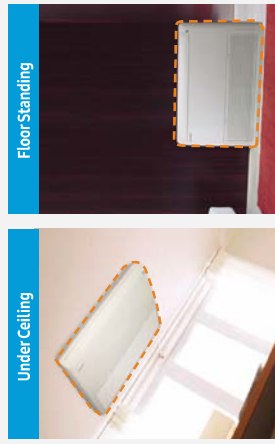
Small package, big performance

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



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.



Under Ceiling

Floor Standing



Fast cooling, 15m airflow

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.



Ceiling Specification

Model Code	AM056FNCDEH	AM071FNCDEH	AM1212FNCDEH	AM1610FNCDEH
Type	CEILING (50Hz)	CEILING (50Hz)	CEILING (50Hz)	CEILING (50Hz)
Power Supply (Indoor Unit) (0, 1, 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	HP/HR	HP/HR	HP/HR	HP/HR
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
Cooling 1) [W]	72.00	80.00	92.00	160.00
Heating 1) [W]	72.00	77.00	80.00	160.00
Motor (Output) [W]	40 x 1	120 x 1	260 x 1	355 x 1
Air Flow Rate (High / Mid / Low) [CMV]	14.00/13.00/12.00	18.00/16.50/15.00	29.30/25.90/18.50	36.40/30.80/26.00
Liquid Pipe (Ø mm, inch)	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
Gas Pipe (Ø mm, inch)	12.70 (1/2")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
Drain Pipe (Ø mm)	ID 18 HOSE	ID 18 HOSE	VP25 (OD 25, ID 20)	VP25 (OD 25, ID 20)
Refrigerant	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
	Sound Power (Cooling) [dB(A)]	-	-	61.0
Net Weight (kg)	21.00	21.00	33.50	42.50
External Dimension (Indoor Unit)	1000 x 650 x 200	1000 x 650 x 200	1350 x 675 x 235	1650 x 675 x 235



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.

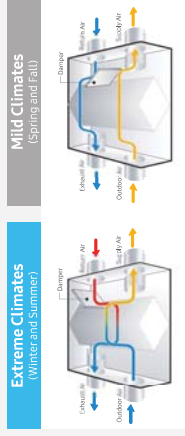
Drive energy savings with unparalleled heat exchange and automated temperature control

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

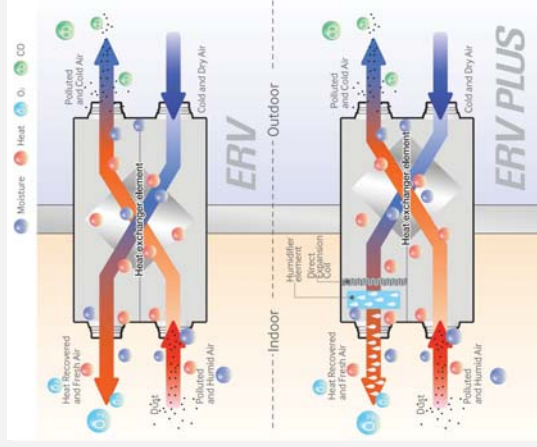
ERV and ERV Plus automatically change operation mode, depending on the temperature difference between the indoor and outdoor environment, to conserve energy.



Smart CO₂ Detection

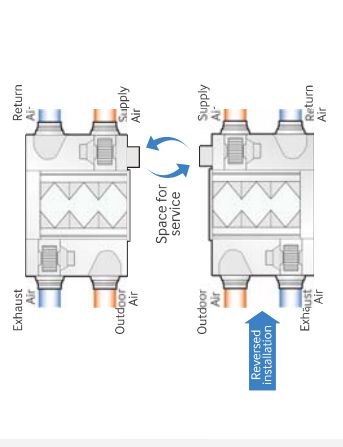
ERV provides fresh in-room airflow by detecting CO₂ with the optional CO₂ sensor. Users can also attach a humidity stat (procured locally), which detects the moisture of the room and automatically adjusts its humidity level.

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	AM100FNKDEH
Type	ERV PLUS	ERV PLUS
Power Supply (Indoor Unit) (Φ, #, V, Hz)	1,2,220-240,50	1,2,220-240,50
System	HP/HR	HP/HR
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
Cooling (W)	220.00	510.00
Motor (Output) (W)	220.00	510.00
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
Liquid Pipe (Φ, mm)	6.35 (1/4")	6.35 (1/4")
Piping Connections	Gas Pipe (Φ, mm) 12.70 (1/2")	12.70 (1/2")
Drain Pipe (Φ, mm)	VP25 (OD 32.0D 25)	VP25 (OD 32.0D 25)
Refrigerant	Control Method EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure (High / Mid / Low) (dBA)	36.0/33.0/31.0
	Sound Power (Cooling) (dB(A))	670
External Dimension (Indoor Unit)	Net Weight (kg)	61.00
	Net Dimensions (W×H×D) (mm)	1553 × 270 × 1000

Model Code	AND26SKLRN	AND35SKLRN	AND50SKLRN	AND80SKLRN	AND100SKLRN
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	260	350	500	800	1000
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	70.00	70.00	70.00	70.00	70.00
Heating (%)	74.00	78.00	74.00	77.00	74.00
Cooling (%)	70.00	70.00	50.00	50.00	50.00
Effective Fresh-Air Exchange Efficiency	-	-	-	-	-
Heating (%)	42.50	42.50	42.50	67.00	67.00
Net Weight (kg)	32.50	53.50	53.50	75.50	75.50
Gross Weight (kg)	640 × 350 × 600	1012 × 270 × 1000	1308 × 355 × 1192	1480 × 435 × 1330	1480 × 435 × 1330
Net Dimensions (W×H×D) (mm)	816 × 470 × 769	1308 × 355 × 1192	1308 × 355 × 1192	1480 × 435 × 1330	1480 × 435 × 1330
Gross Dimensions (W×H×D) (mm)					



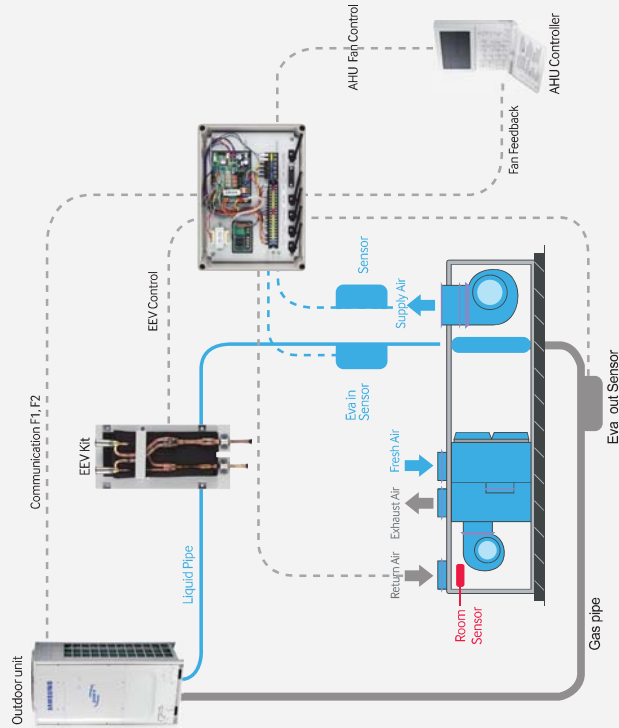
AHU Kit

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 EEV Kit + Controller	MXD-K050AN EEV Kit + Controller	MXD-K075AN EEV Kit + Controller	MXD-K100AN EEV Kit + Controller	MXD-K120AN EEV Kit + Controller	MXD-K164K100E EEV Kit	MCH-D20TIN MULTI EEV Connect Controller
Components	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
Rating HP	2.5	5	7.5	10	10	10	40 (10 *4 EA)
Min. [kW]	7	14	21	28	28	28	28
Allowance Capacity Max. [kW]	8.75	17.5	26.25	35	35	35	140 (35.0 * 4EA)
Min. [CPM/H]	1,200	2,150	3,100	4,000	4,000	4,000	4,000
Max. [CPM/H]	1,500	2,688	3,975	5,000	5,000	5,000	20,000



Control System

Overview

Samsung Control System provides convenient and 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

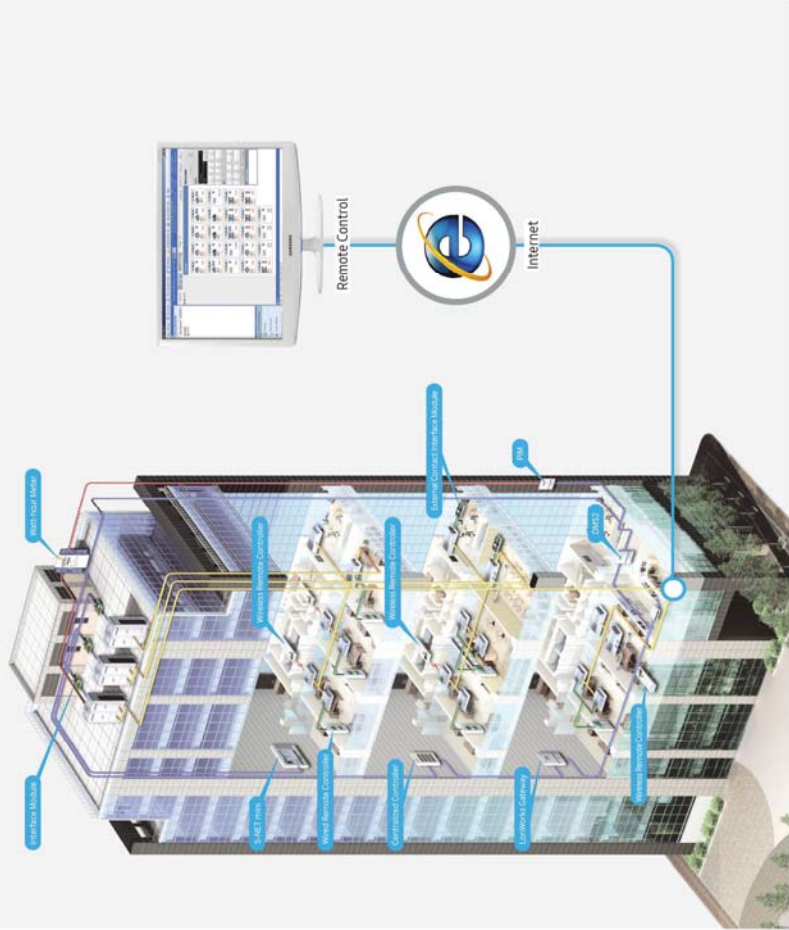
Samsung Building Management System (BMS) makes it possible to control and monitor the air conditioning network using the remote control and monitoring function. Optimum control keeps the air conditioning system efficient, saves energy, reduces maintenance costs and extends the lifespan of the units.

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 | MR-EH00/AR-KH00E

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

Wired Remote Controller | MWR-WE10N

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

Centralized control

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 – Server

DNS 5.5 (Data Management Server) | MIM-D07AN

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

- Built-in web server for PC-independent management and remote access control
- Multiple upper-level control access (S-NET3, 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 contact interface
- 3 External inputs and 6 outputs provide control and monitoring for third-party devices



Enhanced Graphical Display



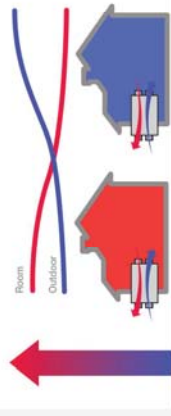
Control System

Building management – Server

DMS 2.5-BMS

Programmable control logic

- The user can control the air conditioning, ERV, AHU and digital outputs using an arithmetic equation and conditional operators/parameters from the equipment operating conditions including volt-free inputs from external equipment.



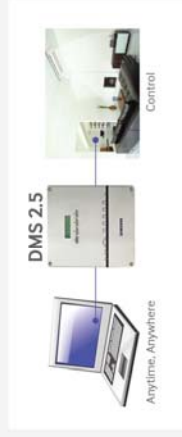
Logic	Room temp < Outdoor temp	Room temp < Outdoor temp	Outdoor temp < 10	Outdoor temp > 25
Control	Turn ON ERV (Cool air intake IPI)	Turn ON Air Conditioner	Heating mode	Cooling mode
EHP/ ERV/ AHU Parameters	Temperature, Power, Mode...	AND OR	EHP/ ERV/ AHU Parameters change	*Example: Energy saving function, operation saving function, operation mode change
Arithmetic Equation Function	$\xi, \lambda, \mu, \alpha, \beta, \gamma, \delta, \epsilon, \dots$	Average	Setting temperature, Power, Mode, Fan speed...	



- Control logic can utilize the 8 external inputs and 6 outputs, permitting interaction between air conditioning and third-party devices.
- Using this powerful functionality, energy can be efficiently used and reduced for various operation conditions.

Easy control and monitoring

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



Specification	Attribute/Function
Indoor Unit Connection	(Max.) 256 Indoor Units (128 per channel)
Outdoor Unit Connection	(Max.) 80 Outdoor Units
Indoor Unit Control	All Indoors, ERV, AHU, DVM chiller, FCU Kit
Dimensions (WxHxD)	240 x 255 x 65
Power	100~240V AC (DC adaptor)
Communication	RS485 (to Outdoor/PHM)
Direct Interface	Ethernet 100 Base-T (web browser)
PHM Connection (MIM-B16)	B
Emergency Stop	16 Pulse or level input
Inputs	8 Volt-free (Open/Short)
Outputs	6 Contact Signal (12V)
Programmable Logic (per condition) – Boolean logic	5 Logic Functions (per input) 20 Output Logic Factors

Control System

Building management – Gateways

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

BACnet Gateway | MIM-B17BN (DMS-Bnet)

With the BMS control and monitoring function, BACnet gateway makes it easy to control the air conditioning network in various ways. It can control up to 256 indoor units, used in combination with S-NET3 and MCM-A300N.

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

Features for BACnet and LonWorks Gateways

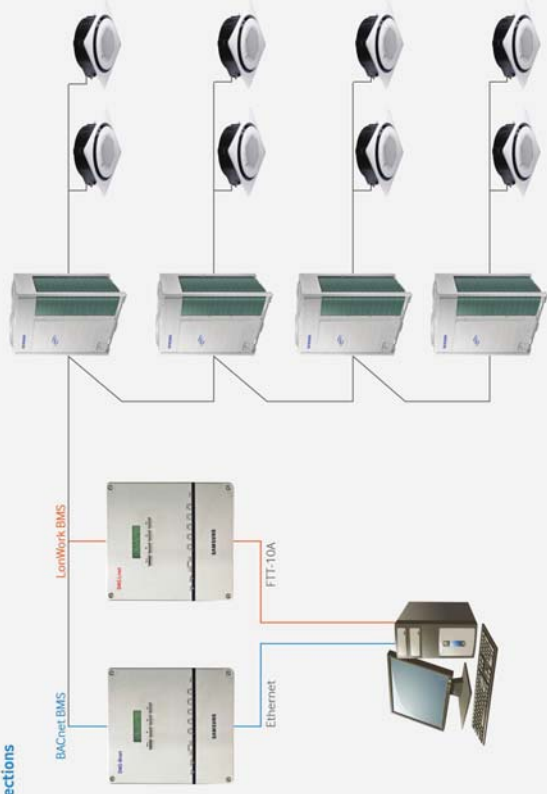
- | | |
|-------------------|---|
| Control | <ul style="list-style-type: none"> On/Off control Operation mode Temperature setting Fan speed/direction ERV operation mode ERV fan speed Filter alarm reset User control restriction Operation mode lock Set temperature limit Emergency stop Output contact control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

LonWorks Gateway | MIM-B188N (DMS-Lnet)

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

- Interface for Lon-Connection to LonWorks management system
- Maximum 128 indoor units plus ERVs support with a maximum of 80 interface modules
- Includes DMS 2.5 functions

Connections



Control System

Web Server – External Contact Interface

Web Server, S-NET3 | MST-P3P

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

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



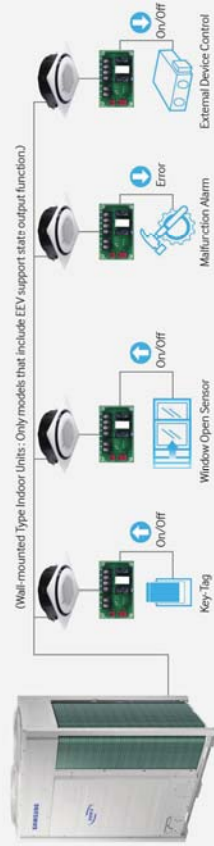
External Contact Interface | MIM-B14

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

Guestroom Management Module

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

Example



Control System

Line-up

CLASSIFICATION	PRODUCT	IMAGE	MODEL	APPLICATION	
			DMS2 (New Communication Protocol)	CAC, FIM	
Integrated Management System	Controller		MST-P3P	Excluding DVM chiller, FCU kit	
	Interface Module Building Management	DMS 2.0	MIM-D00AN		
		DMS 2.5 (Electricity meter)	MIM-D01AN		
	Gateway	ZenManager	MIM-B16N	MIM-B16	Including DVM chiller, FCU kit
		LonWorks Gateway	MST-R5D	MIM-R5D	Excluding ERV, DVM chiller, FCU kit
		LonWorks Gateway(New)	MIM-B18N	MIM-B18	Mobile
		BACnet Gateway	MIM-B18BN	MIM-B18BN	Including DVM chiller, FCU kit
	Interface Module	BACnet Gateway	MIM-B17N	MIM-B17	
		LonWorks Gateway Interface	MIM-B17BN	MIM-B17BN	Including DVM chiller, FCU kit
	Centralized Control System	Controller		MIM-B07	
Interface Module		Centralized Touch Controller	MIM-B07N		
		On/Off Controller	MCH-A300N		
Operation Mode Selection Switch		On/Off Controller	MCH-A202DN	MCH-A202D	
		External Contact	MCM-C200		
Multi Tenant Function Controller		External Contact	MIM-B14	MIM-B14	DVM S Series (Except H6 Model)
		Centralized Control Interface Module	MTC	MCM-C210N	
System Controller		Interface Module		MIM-B10	For connecting Centralized control system
		FCU interface module	Centralized Control Interface Module	MIM-N10	ERV
			Compatible interface module	MIM-F10N	
	Zone Control Package (Zone Controller & Relay)	FCU interface module	MIM-N10	MIM-N10	Old & New protocol
		Zone Controller	MWR-2500N	MWR-2500	Duct S Inverter Models
	Wired Remote Controller	Zone Controller	MWR-2510N	MWR-2510	Duct S Inverter Models
		Wired Remote Controller	MWR-HE10N	MWR-HE10	
	Wired Remote Controller	Wired Remote Controller	MWR-WW00N		DVM S Hygro Unit
		Wired Remote Controller	MCH-A00N		For DVM chiller
	Individual Control System	Controller		MWR-WH00	For DVM chiller
Simplified wired Remote Controller		Wired Remote Controller	MWR-WH02	Connect Wire length: 10m (SECC) Connect Wire length: 3m (SSECC)	
		Simplified wired Remote Controller	MWR-S10N		
Simplified wired Remote Controller		Simplified wired Remote Controller	MWR-S100N	MWR-S100	Touch controller, built in Temperature sensor
		Simplified wired Remote Controller	MWR-H102N	MWR-H102	
Wireless Remote Controller (H/P)		Simplified wired Remote Controller	MWR-H102N	MWR-H102	ERV
		Wireless Remote Controller (H/P)	MWR-E100	MWR-E100	
Wireless Remote Controller (C/O)		Wireless Remote Controller (H/P)	MWR-E100	MWR-E100	
		Wireless Remote Controller (C/O)	Wireless Remote Controller (C/O)	MWR-EC00	340 CST dedicated
Sensor		Wireless Remote Controller	Wireless Remote Controller	AR-10H0E	
	RAC Extension Board	Wi-Fi Kit	MIM-H03N	MIM-H03	
		RAC Extension Board	MIM-A00		For connecting wired remote controller and external contact interface module
	Wireless Signal Receiver package (Web Receiver wire)	FCU kit	MIM-F00N		For connecting wired remote controller
		Wireless Signal Receiver package (Web Receiver wire)	MWR-A10N	MWR-A10N	DVM S Series (for Ducted indoor unit) Single Global Duct
	External Room Sensor	External Room Sensor	MWR-1A	MWR-1A	
		External Room Sensor	MWR-TS	MWR-TS	For Zone Controller
	ERV/CO2 Sensor	ERV/CO2 Sensor	MOS-C1	MOS-C1	
		S-Converter (S-NET Pro)	MIM-C02N	MIM-C02N	Converter for communication with PC
	S-Checker	S-Checker	MIM-C10N		Connection with mobile device
S-Checker		MIM-C10N			

Accessories

Classification	Image	Model	CAC, F.M	APPLICATION
Drain Pump		MDP-6075SEED3	MDP-6075SEES	Slim Duct2.0 - 14.0 kW
		MDP-6075SEOD0	MDP-6075SEOD1	M.S.P Duct(8.0/11.2 kW)
		MDP-6075SEOD2	MDP-6075SEOD2	M.S.P Duct(13.8/16.0 kW)
		MDP-6075SEOD3	MDP-6075SEOD3	M.S.P Duct(17.0/19.2 kW)
		MDP-6075SEOD4	MDP-6075SEOD4	M.S.P Duct(21.0/23.2 kW)
		MDP-6075SEOD5	MDP-6075SEOD5	M.S.P Duct(25.0/27.2 kW)
		MDP-6075SEOD6	MDP-6075SEOD6	M.S.P Duct(29.0/31.2 kW)
		MDP-6075SEOD7	MDP-6075SEOD7	M.S.P Duct(33.0/35.2 kW)
		MDP-6075SEOD8	MDP-6075SEOD8	M.S.P Duct(37.0/39.2 kW)
		MDP-6075SEOD9	MDP-6075SEOD9	M.S.P Duct(41.0/43.2 kW)
PDM Kits (High Elevation Kits)		MDP-6075SEOD0	MDP-6075SEOD1	Fresh Air Intake Duct (14.0 kW)
		MDP-6075SEOD2	MDP-6075SEOD2	Fresh Air Intake Duct (16.0 kW)
		MDP-6075SEOD4	MDP-6075SEOD4	Fresh Air Intake Duct (18.0 kW)
AHU Kits		MDP-6075SEOD0	MDP-6075SEOD1	Global Duct (External Type)
		MDP-6075SEOD2	MDP-6075SEOD2	Global Duct (Internal Type)
		MDP-6075SEOD4	MDP-6075SEOD4	Global Duct (Internal Type)
		MDP-6075SEOD6	MDP-6075SEOD6	Global Duct (Internal Type)
		MDP-6075SEOD8	MDP-6075SEOD8	Global Duct (Internal Type)
		MDP-6075SEOD10	MDP-6075SEOD10	Global Duct (Internal Type)
		MDP-6075SEOD12	MDP-6075SEOD12	Global Duct (Internal Type)
		MDP-6075SEOD14	MDP-6075SEOD14	Global Duct (Internal Type)
		MDP-6075SEOD16	MDP-6075SEOD16	Global Duct (Internal Type)
		MDP-6075SEOD18	MDP-6075SEOD18	Global Duct (Internal Type)
Humidifier		MCH-0207N	-	7.0 - 8.75 kW AHU
		MWD-V6050100	-	14.0 - 17.5 kW AHU
		MWD-V6100100	-	21.0 - 24.5 kW AHU
		MWD-V6200100	-	28.0 - 35.0 kW AHU
		MWD-V6300100	-	35.0 - 42.0 kW AHU
		MWD-V6400100	-	42.0 - 49.0 kW AHU
		MWD-V6500100	-	49.0 - 56.0 kW AHU
		MWD-V6600100	-	56.0 - 63.0 kW AHU
		MWD-V6700100	-	63.0 - 70.0 kW AHU
		MWD-V6800100	-	70.0 - 77.0 kW AHU
4 Way Cassette Front Panel		PCANUDMAN	PCANUDMAN	NASA, Square
		PCANSODMAN	PCANSODMAN	NASA, Square - Black
		PCANJUDMAN	PCANJUDMAN	NASA, Circle (Exposed Installation)
		PCANBUDMAN	PCANBUDMAN	NASA, Circle (Exposed Installation) - Black
		PCANUSDA	PCANUSDA (Korea)	4Way Cassette S - Waffle
		PCANUSMA	PCANUSMA (China)	4Way Cassette S - Classic
		PCANUSKE	PCANUSKE (Korea)	4Way Cassette S - Classic
		PCANUSME	PCANUSME (China)	4Way Cassette S - Classic (North America)
		PCANUSKA	PCANUSKA	4Way Cassette S - Classic
		PCANUSKB	PCANUSKB	4Way Cassette S - Black
1 Way Cassette Front Panel		PCASUDMAN	PCASUDMAN	4Way Cassette
		PCASUSMB	PCASUSMB	4Way Cassette S (600x600) -Waffle
		PCASUSMF	PCASUSMF	4Way Cassette S (600x600) -Classic
		PCASUSMS	PCASUSMS	4Way Cassette S (600x600) -Classic
		PCASUSMA	PCASUSMA	4Way Cassette S (600x600) -Classic
		PCASUSKE	PCASUSKE	4Way Cassette S (600x600) -Classic
		PCASUSME	PCASUSME	4Way Cassette S (600x600) -Classic
		PCASUSKA	PCASUSKA	4Way Cassette S (600x600) -Classic
		PCASUSKB	PCASUSKB	4Way Cassette S (600x600) -Black
		PCASUSKC	PCASUSKC	4Way Cassette S (600x600) -Black
2 Way Cassette Front Panel		PCBUDMAN	PCBUDMAN	2Way Cassette
		PCBSUSMB	PCBSUSMB	2Way Cassette S (600x600) -Waffle
		PCBSUSMF	PCBSUSMF	2Way Cassette S (600x600) -Classic
		PCBSUSMS	PCBSUSMS	2Way Cassette S (600x600) -Classic
		PCBSUSMA	PCBSUSMA	2Way Cassette S (600x600) -Classic
		PCBSUSKE	PCBSUSKE	2Way Cassette S (600x600) -Classic
		PCBSUSME	PCBSUSME	2Way Cassette S (600x600) -Classic
		PCBSUSKA	PCBSUSKA	2Way Cassette S (600x600) -Classic
		PCBSUSKB	PCBSUSKB	2Way Cassette S (600x600) -Black
		PCBSUSKC	PCBSUSKC	2Way Cassette S (600x600) -Black
Virus Doctor		MSD-CAHT	MSD-CAHT	4Way Cassette S (600x600)
		MSD-EAHT	MSD-EAHT	ERV, Global Duct
		MSD-SMA	MSD-SMA	4Way Cassette S (600x600)
		MSD-CAHT	MSD-CAHT	4Way Cassette S (600x600)
		MSD-EAHT	MSD-EAHT	ERV, Global Duct
		MSD-SMA	MSD-SMA	4Way Cassette S (600x600)
		MSD-CAHT	MSD-CAHT	4Way Cassette S (600x600)
		MSD-EAHT	MSD-EAHT	ERV, Global Duct
		MSD-SMA	MSD-SMA	4Way Cassette S (600x600)
		MSD-CAHT	MSD-CAHT	4Way Cassette S (600x600)

Accessories

Classification	Image	Model	Description	APPLICATION
Y-joint		MKU-YA2372N	15.0kW and below	
		MKU-YA2372M	Over 15.0 - 40.0kW and below	
		MKU-YA2372L	Over 40.0 - 46.4 kW and below	
		MKU-YA2372S	Over 46.4 - 69.6 kW and below	DVM S
		MKU-YA3419M	Over 69.6 - 98.6 kW and below	
		MKU-YA4119M	Over 98.6 - 139.2 kW and below	
		MKU-YA4423M	Over 139.2 kW	
		MKU-YA5500M	23.1 kW and below	
		MKU-YA2500M	Over 23.2 - 69.6 kW and below	DVM S HR
		MKU-YA3100M	Over 69.6 - 139.2 kW and below	
Outdoor Joint (Outdoor Connection)		MKU-TA319M	Below 48 HP	DVM S
		MKU-TA4122M	Over 48 HP	
		MKU-TA3100M	Below 48 HP	DVM S HR
		MKU-TA3800M	Over 48 HP	
		MKU-202509K	2-Indoor unit connection	
		MKU-302509K	3-Indoor unit connection	
		MKU-402509K	4-Indoor unit connection	
		MKU-HA3819M	Over 69.7 kW	
		MKU-HA3113M	Below 69.6 kW	DVM S
		MKU-HA3124M	Below 66.4 kW	
MCU Kits		MCU-SHKE1N	Below 2 Indoor units	
		MCU-SHKE2N	Below 4 Indoor units	
		MCU-SHKE3N	Below 4 Indoor units	
		MCU-SHKE4N	Below 4 Indoor units	
		MCU-SHKE5N	Below 4 Indoor units	
		MCU-SHKE6N	Below 4 Indoor units	
		MCU-SHKE7N	Below 4 Indoor units	
		MCU-SHKE8N	Below 4 Indoor units	
		MCU-SHKE9N	Below 4 Indoor units	
		MCU-SHKE10N	Below 4 Indoor units	
EER Kits		MWD-EAHT	Below 3.6 kW (1 Room) + 5.6 kW - 9.0 kW (1Room)	DVM S
		MWD-EAHT	Below 3.6 kW (1 Room)	
		MWD-EAHT	Below 3.6 kW (1 Room)	
		MWD-EAHT	Below 3.6 kW (1 Room)	
		MWD-EAHT	Below 3.6 kW (1 Room)	
		MWD-EAHT	Below 3.6 kW (1 Room)	
		MWD-EAHT	Below 3.6 kW (1 Room)	
		MWD-EAHT	Below 3.6 kW (1 Room)	
		MWD-EAHT	Below 3.6 kW (1 Room)	
		MWD-EAHT	Below 3.6 kW (1 Room)	
Anti-Corrosion Spray		MEV-EAHT	Below 3.6 kW (1 Room)	DVM S
		MEV-EAHT	Below 3.6 kW (1 Room)	
		MEV-EAHT	Below 3.6 kW (1 Room)	
		MEV-EAHT	Below 3.6 kW (1 Room)	
		MEV-EAHT	Below 3.6 kW (1 Room)	
		MEV-EAHT	Below 3.6 kW (1 Room)	
		MEV-EAHT	Below 3.6 kW (1 Room)	
		MEV-EAHT	Below 3.6 kW (1 Room)	
		MEV-EAHT	Below 3.6 kW (1 Room)	
		MEV-EAHT	Below 3.6 kW (1 Room)	

