

FCU CASSETTE

SPECIFICATION



360 CASSETTE

Model Code	AG060MN4PKH/EU	AG072MN4PKH/EU	AG090MN4PKH/EU	AG105MN4PKH/EU	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,220~240,50 or 60	1,220~240,50 or 60	1,220~240,50 or 60	1,220~240,50 or 60	
Capacity	Cooling [T1 (kW)]	6	7.2	9	10
	Heating [T1 (kW)]	7.3	8.5	10	10.7
Power Input (Nominal)	Cooling [T1 (W)]	58	58	77	100
	Heating [T1 (W)]	58	58	77	100
Current Input (Nominal)	Cooling [T1 (A)]	0.5	0.5	0.62	0.79
	Heating [T1 (A)]	0.5	0.5	0.62	0.79
Heat exchanger	Type	Fin&Tube	Fin&Tube	Fin&Tube	Fin&Tube
	Material (Fin)	AL	AL	AL	AL
	Material (Tube)	CU	CU	CU	CU
	Fin treatment	Green hydrophile	Green hydrophile	Green hydrophile	Green hydrophile
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity [EA]	1	1	1	1
Water	Air Flow Rate (H/M/L (UL)) [CMM]	21/17.5/15	25.5/22/19.8	29.5/24/19.8	31.5/22.5/19.8
	Water Flow Rate (Cooling) [LPM]	17.5	20.8	26	28.9
	Water Flow Rate (Heating) [LPM]	21.1	24.5	28.9	30.9
	Loss of Head (Cooling) [kPa]	27	26	38.5	47.4
Piping Connections	Liquid Pipe (IN) [Ø, mm]	20A	20A	20A	20A
	Liquid Pipe (OUT) [Ø, mm]	20A	20A	20A	20A
	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Field Wiring	Power Source Wire [mm ²]	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable [mm ²]	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	40/37/32	39/35/33	43/38/33	45/39/33
	Sound Power (Cooling) [dB(A)]	57	58	60	62
Dimensions	Net Weight [kg]	21	25	25	25
	Shipping Weight [kg]	25.5	29.5	29.5	29.5
	Net Dimensions (W×H×D) [mm]	947*281*947	947*365*947	947*365*947	947*365*947
	Shipping Dimensions (W×H×D) [mm]	990*330*990	990*414*990	990*414*990	990*414*990
Panel	Panel model	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
	Panel Net weight [kg]	3.6 / 2.7	3.6 / 2.7	3.6 / 2.7	3.6 / 2.7
	Shipping Weight [kg]	6.3 / 5.3	6.3 / 5.3	6.3 / 5.3	6.3 / 5.3
	Net Dimensions (W×H×D) [mm]	1050*66*1050	1050*66*1050	1050*66*1050	1050*66*1050
Shipping Dimensions (W×H×D) [mm]	1093*85*1083	1093*85*1083	1093*85*1083	1093*85*1083	

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- Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19o C WB / Outdoor temperature : 35° C DB
- Nominal heating capacities are based on: Indoor temperature : 20° C DB, 15o C WB / Outdoor temperature : 7° C DB, 6° C WB



FCU CASSETTE

SPECIFICATION



4 WAY CASSETTE

Model Code	AG060MN4DKH/EU	AG072MN4DKH/EU	AG090MN4DKH/EU	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,220~240,50 or 60	1,220~240,50 or 60	1,220~240,50 or 60	
Capacity	Cooling [T1 (kW)]	6	7.2	9
	Heating [T1 (kW)]	7.3	8.5	10
Power Input (Nominal)	Cooling [T1 (W)]	50	73	82
	Heating [T1 (W)]	50	73	82
Current Input (Nominal)	Cooling [T1 (A)]	0.37	0.5	0.58
	Heating [T1 (A)]	0.37	0.5	0.58
Heat exchanger	Type	Fin&Tube	Fin&Tube	Fin&Tube
	Material (Fin)	AL	AL	AL
	Material (Tube)	CU	CU	CU
	Fin treatment	Green hydrophile	Green hydrophile	Green hydrophile
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Quantity [EA]	1	1	1
Water	Air Flow Rate (H/M/L (UL)) [CMM]	18.9/16.5/13.6	21.3/18.2/13.6	23.3/21.3/19.4
	Water Flow Rate (Cooling) [LPM]	17.5	20.8	26
	Water Flow Rate (Heating) [LPM]	21.1	24.5	28.9
	Loss of Head (Cooling) [kPa]	27	36	46.8
Piping Connections	Liquid Pipe (IN) [Ø, mm]	20A	20A	20A
	Liquid Pipe (OUT) [Ø, mm]	20A	20A	20A
	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Field Wiring	Power Source Wire [mm ²]	1.5 ~ 2.5	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable [mm ²]	0.75 ~ 1.50	0.75 ~ 1.50	0.75 ~ 1.50
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	37/33/30	41/35/30	42/38/35
	Sound Power (Cooling) [dB(A)]	56	60	58
Dimensions	Net Weight [kg]	15.5	15.5	18
	Shipping Weight [kg]	19	19	21.5
	Net Dimensions (W×H×D) [mm]	840*204*840	840*204*840	840*246*840
	Shipping Dimensions (W×H×D) [mm]	898*275*898	898*275*898	898*316*898
Panel	Panel model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net weight [kg]	5.9	5.9	5.9
	Shipping Weight [kg]	8.5	8.5	8.5
	Net Dimensions (W×H×D) [mm]	950*45*950	950*45*950	950*45*950
Shipping Dimensions (W×H×D) [mm]	1005*100*1005	1005*100*1005	1005*100*1005	

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- Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19o C WB / Outdoor temperature : 35° C DB
- Nominal heating capacities are based on: Indoor temperature : 20° C DB, 15o C WB / Outdoor temperature : 7° C DB, 6° C WB



FCU CASSETTE

SPECIFICATION

4 WAY CASSETTE

Model Code	AG105MN4DKH/EU	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,220~240,50 or 60	
Capacity	Cooling [T1 (kW)]	10
	Heating [T1 (kW)]	10.7
Power Input (Nominal)	Cooling [T1 (W)]	99
	Heating [T1 (W)]	99
Current Input (Nominal)	Cooling [T1 (A)]	0.79
	Heating [T1 (A)]	0.79
Heat exchanger	Type	Fin&Tube
	Material (Fin)	AL
	Material (Tube)	CU
	Fin treatment	Green hydrophile
Fan	Type	Turbo Fan
	Quantity [EA]	1
Water	Air Flow Rate (H/M/L (UL)) [CMM]	30.1/26.2/19.4
	Water Flow Rate (Cooling) [LPM]	28.9
	Water Flow Rate (Heating) [LPM]	30.9
	Loss of Head (Cooling) [kPa]	56.3
	Loss of Head (Heating) [kPa]	63.4
Piping Connections	Liquid Pipe (IN) [Ø, mm]	20A
	Liquid Pipe (OUT) [Ø, mm]	20A
	Drain Pipe [Ø, mm]	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	45/40/35
	Sound Power (Cooling) [dB(A)]	60
	Net Weight [kg]	18
Dimensions	Shipping Weight [kg]	21.5
	Net Dimensions (W×H×D) [mm]	840*246*840
	Shipping Dimensions (W×H×D) [mm]	898*316*898
	Panel model	PC4NUSKAN
Panel	Panel Net weight [kg]	5.9
	Shipping Weight [kg]	8.5
	Net Dimensions (W×H×D) [mm]	950*45*950
	Shipping Dimensions (W×H×D) [mm]	1005*100*1005

1 WAY CASSETTE





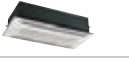
Model Code	AG026MN1DEH/EU	AG032MN1DEH/EU	AG042MN1DEH/EU	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,220~240,50			
Capacity	Cooling [T1 (kW)]	2.6	3	4.15
	Heating [T1 (kW)]	2.9	3.35	5
Power Input (Nominal)	Cooling [T1 (W)]	47	50	55
	Heating [T1 (W)]	47	50	55
Current Input (Nominal)	Cooling [T1 (A)]	0.24	0.26	0.29
	Heating [T1 (A)]	0.24	0.26	0.29
Heat exchanger	Type	Fin&Tube	Fin&Tube	Fin&Tube
	Material (Fin)	AL	AL	AL
	Material (Tube)	CU	CU	CU
	Fin treatment	Green hydrophile	Green hydrophile	Green hydrophile
Fan	Type	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Quantity [EA]	1	1	1
Water	Air Flow Rate (H/M/L (UL)) [CMM]	6.8/5.8/4.9	7.8/6.8/4.9	14.6/12.6/10.7
	Water Flow Rate (Cooling) [LPM]	7.5	9.6	11.9
	Water Flow Rate (Heating) [LPM]	8.4	9.7	14.4
	Loss of Head (Cooling) [kPa]	23	34.5	45
	Loss of Head (Heating) [kPa]	28	35.8	64.6
Piping Connections	Liquid Pipe (IN) [Ø, mm]	20A	20A	20A
	Liquid Pipe (OUT) [Ø, mm]	20A	20A	20A
	Drain Pipe [Ø, mm]	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	VP25 (OD 32, ID 25)
Sound	Sound Pressure (High / Mid / Low) [dB(A)]	32/30/28	37/33/28	40/37/33
	Sound Power (Cooling) [dB(A)]	49	52	58
	Net Weight [kg]	10.5	10.5	14
Dimensions	Shipping Weight [kg]	13.5	13.5	17.5
	Net Dimensions (W×H×D) [mm]	970*135*410	970*135*410	1200*138*450
	Shipping Dimensions (W×H×D) [mm]	1164*212*478	1164*212*478	1435*214*525
	Panel model	PC1NUSMAN	PC1NUSMAN	PC1BWSMAN
Panel	Panel Net weight [kg]	3.1	3.1	6.6
	Shipping Weight [kg]	6.4	6.4	8.3
	Net Dimensions (W×H×D) [mm]	1198*25*500	1198*25*500	1410*23*500
	Shipping Dimensions (W×H×D) [mm]	1262*144*542	1262*144*542	1473*124*568

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- 1) Nominal cooling capacities are based on: Indoor temperature : 27° C DB, 19o C WB / Outdoor temperature : 35° C DB
 2) Nominal heating capacities are based on: Indoor temperature : 20° C DB, 15o C WB / Outdoor temperature : 7° C DB, 6° C WB








CASSETTE

Model						
		360 Cassette	4 Way	4 Way (600x600)	1 Way	2 Way
Capacity (kW)	2.2			•	•	
	2.8			•	•	
	3.2			•	•	
	3.6			•	•	
	4.5	•	•	•	•	
	5.6	•	•	•	•	•
	6.0			•		
	7.1	•	•		•	•
	9.0	•	•			
	11.2	•	•			
	12.8	•	•			
14.0	•	•				



CONSOLE, CEILING & FLOOR STANDING

Model					
		Floor Standing	Floor Standing	Ceiling	Console
Capacity (kW)	2.8				•
	3.6	•			•
	5.6	•			•
	7.1	•			•
	14		•		
	28		•		

DUCT

Model						
		Duct S	Slim Duct	MSP Duct	HSP Duct	Big Duct
Capacity (kW)	2.2		•	•		
	2.8		•	•		
	3.6	•	•	•		
	4.5	•	•	•		
	5.6	•	•	•		
	7.1	•	•	•		
	9.0	•	•	•		
	11.2	•	•	•	•	
	12.8	•	•	•	•	
	14.0	•	•	•	•	
	16.0			•		
	18.0					•
	22.4				•	•
	28.0				•	•

WALL MOUNTED

Model			
		AR5000	Boracay
Capacity (kW)	1.5	•	
	2.2	•	•
	2.8	•	•
	3.6	•	•
	4.5	•	•
	5.6	•	•
	7.1	•	
8.2	•		



The circular-shaped 360 Bladeless Cassette is Samsung's latest innovative design for air conditioning indoor unit. The ground breaking bladeless circular design allows for even cooling with no loss in airflow, setting a new standard for multi-directional cassette units.

Evenly circulates & cools every corner

Unlike traditional 4-way cassette units, the cutting-edge design of the 360 Bladeless Cassette delivers almost zero angle airflow with our patented booster fan technology. The air volume is maintained at 100% to deliver an optimal even cooling performance without creating cold draft. A circular outlet discharges cool air in all directions, creating even comfort cooling throughout the room*.



360 CASSETTE

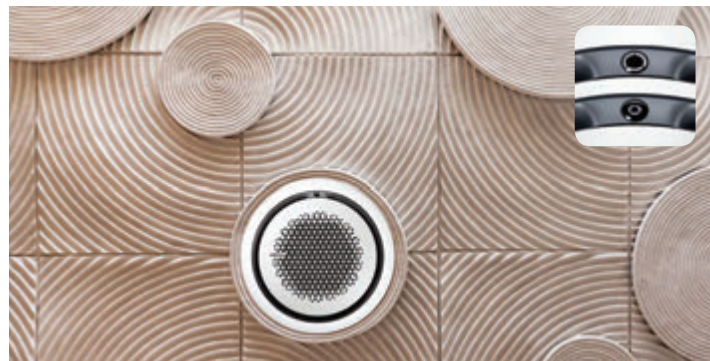
Comfort Cooling

The bladeless outlet ensures that cool air is gently dispersed, without creating cold draft. Airflow is not blocked at low angles, so that it can expel 25%* more air and spread further.



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

Circular LED Display Window



The 360 Bladeless Cassette combines revolutionary performance with an elegant design which will blend in and enhance any setting. The unit features a stylish panel and intuitive LED display that allows users to change the air flow direction depending on preference. Users can choose from three settings including horizontal, vertical, and control individual zone's air flow direction.

Circular to Perfectly Fit in Everywhere

Users have a choice of either black or white, square or round panel, to fit the air conditioner within the ceiling or exposed, and with any finishing such as wood, concrete, wallpaper and paint, offering ultimate flexibility to suit the style of any room.



All round simpler & intuitive control

Premium Dial Remote Control

Users have the option of a wheel dial wireless remote controller with a dedicated button for comfort cooling.



Virus Doctor Kit

The Samsung Virus Doctor Kit can also be added to reduce dust, airborne contaminants, allergens, bacteria and viruses.

Wi-Fi Kit

Users also have the option to add on a Wi-Fi® Kit to remotely control their air conditioner anytime, anywhere.



4 WAY CASSETTE



Stylish design, an effective Smart Inverter compressor and a plethora of innovative features make Samsung 4-Way Cassette great for residential and light commercial applications with limited roof space.

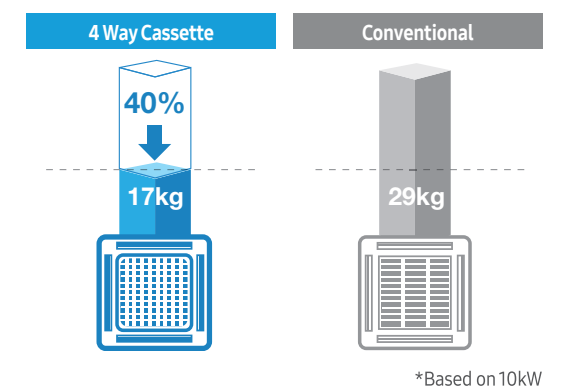
Customizable Airflow

Samsung 4-way cassette enables users to manipulate the angles of the fan blades for more efficient cooling through a remote controller. Users can individually set the opening angles of the four blades at the same angle or different angles (32° - 65°) to create the right cooling environment.



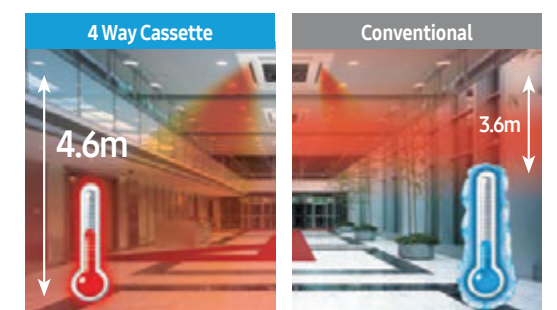
Lightweight build

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.



Optimal Airflow for High Ceilings

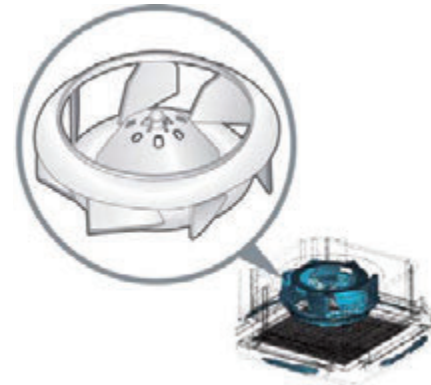
You can get optimum fan speed for high ceilings through the remote control, without having to adjust the DIP switch on the PCB. The fan speed adjustment function evenly distributes cool air throughout spaces with ceilings of up to 3.6m. And the high ceiling mode delivers even more powerful airflow coverage throughout the interior space, enlarging the airflow coverage area for height up to 4.6m.



4 WAY CASSETTE

Quiet, Even Airflow Distribution

Samsung's aerodynamically designed Turbo Fan minimises blade movement noise, meaning our new 4-way Cassette is quieter than conventional models. The Turbo Fan's wide blades also provide evenly distributed cool air from four separate outlets so that the entire room can cool down faster.



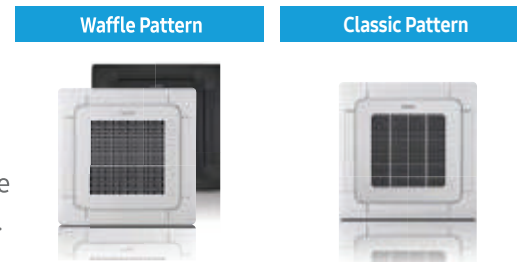
Easy Blade Cleaning

Samsung 4-way cassettes have detachable air flow blades. You do not need to remove the entire panel to clean the blades, making maintenance even easier.



Complement any interior with a sleek, lightweight design

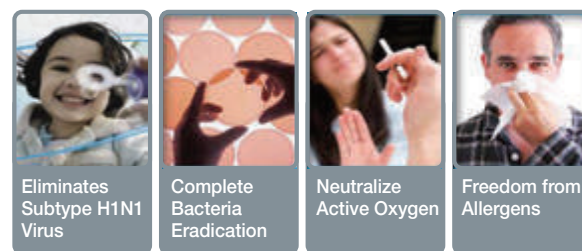
The new Samsung 4 Way Cassette indoor air conditioner comes in a choice of patterns with a simple panel to better match the interior design. Its uniquely lightweight frame makes installation easy, while clever blade construction keeps the unit clean for a tidy appearance.



OPTIONAL FEATURES

Virus Doctor Kit

Samsung's Virus Doctor device generates active hydrogen and oxygen ions which reduces up to 99%[^] of biological contaminants and active oxygen (OH-radical) in the air by turning them into harmless H₂O. This optional device can be easily installed by inserting into the indoor unit.



[^]This is based on Samsung's internal test results and individual results may vary.

Wi-Fi Kit

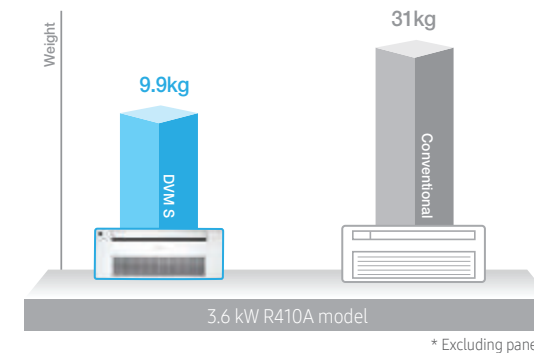
It allows you to remotely control your air conditioning system anytime anywhere subject to internet connectivity.

Wi-Fi and Wi-Fi Direct[®] are registered trademarks of Wi-Fi Alliance.

1 WAY CASSETTE

Slim and Quiet

At a height of only 135mm, the Slim 1-Way Cassette is compact and lightweight, thus makes installation and maintenance easier. These high-performing units are so subtle that they can blend seamlessly into interiors of any types and styles.

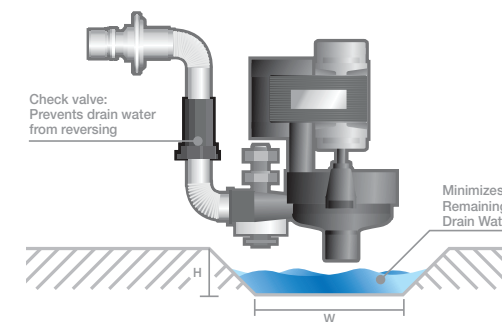
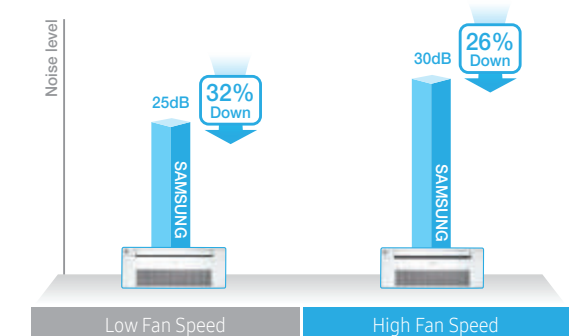


Lighter Indoor Unit

Samsung applies ABS cabinets into its 1-Way Cassette to provide a light weight (10.5kg) indoor unit. The slim and light weight design makes installation and maintenance a breeze.

Quiet Operation

Samsung new blade design drastically reduces noise levels so that you can relax in peace and quietness. A quiet work place is not only more comfortable for employees but also aids productivity. Whether operating on high or low speed setting, this air conditioning unit offers a virtually silent performance.



No Overflowing Drain Water

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



2 WAY CASSETTE

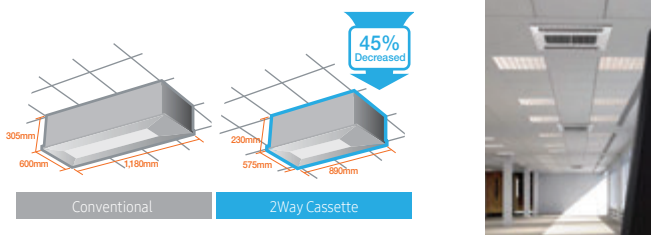
Compact But Powerful

Samsung 2-Way Cassette is a perfect fit for long and narrow places with limited installation space, thanks to its compact and slim size. The unit operates with 2 air outlets, providing powerful and fast cooling performance to create a pleasant environment for you.



Ideal for Long and Narrow Places

With its slim and compact size, Samsung 2-Way Cassette indoor unit is ideal air solution for long and narrow places such as corridor and classroom. It is more space-saving as compared to conventional 4-Way cassette.

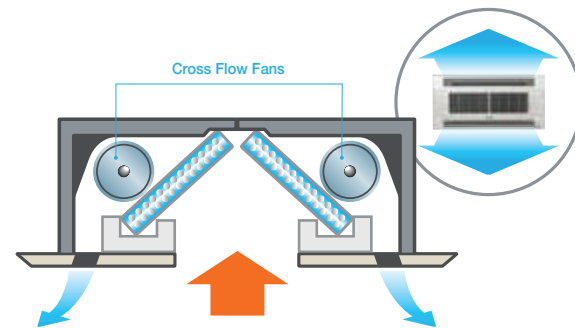
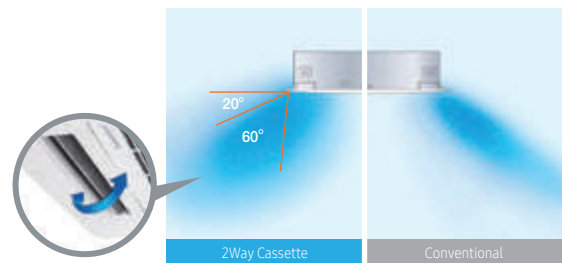


Standardized fit for easy installation

The 2Way Cassette unit dimensions allow for easy installation into standard ceiling grids (600W x 600D) for a tailored fit that blends nearly unnoticeably into the interior framework.

Twin Cross Flow Fan

The innovative Twin Cross Flow Fan distributes cool air further with minimal noise. This efficient system suits rooms of any dimension so no corner is overlooked.



Auto Surround Swing

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

Optimum Temperature Control

The Optimum Temperature Control function detects and minimises temperature difference between the top and bottom of the space to maintain an ideal temperature. Hot and cold spots are reduced, creating a more balanced, comfortable surrounding. You can set the temperature detect option on the indoor unit or with remote control.



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

MSP CEILING DUCTED

Powerful and Flexible

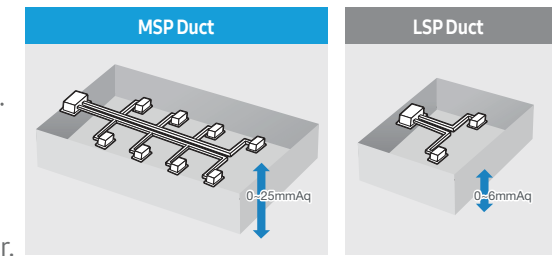
MSP Ceiling Ducted with External Static Pressure (ESP) up to 14mmAq* provides stable and efficient performance in large areas. Its narrow 900mm width enables installation flexibility.



*Applicable to 12.8kW and 14.0kW models.

Strong and Large Coverage Area

The MSP Ceiling Ducted design has the advantage of producing greater static pressure than most other Samsung slim duct units. This provides the opportunity of designing more inlets and outlets, benefiting users by offering a more flexible range of installation options. In turn, this results in larger and more reliable coverage areas, servicing more people with more cool air.



*Measured without control box.

Narrow Width

Samsung MSP Ceiling Ducted has very narrow width of 900mm, which enables flexible installation and maintenance with its compact size, thus maximising your installation convenience.

Efficient and Silent

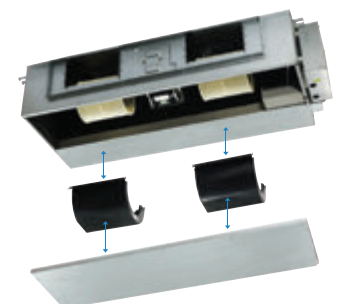
The External Static Pressure Control combines with the simplicity of the MSP Ceiling Ducted's design to guarantee an efficient and silent operation. This means that this innovative air conditioning system is not only for a broad range of work environments, but also ideal for domestic or recreational settings.



The benefits of this unit's outstanding performance can be enjoyed whether at work or play, and it causes such minimal disturbance that it is conducive for use at night-time when sleeping.

Easy to Maintain

Time and maintenance costs are reduced as you can easily remove the bottom panel to access and service the parts.



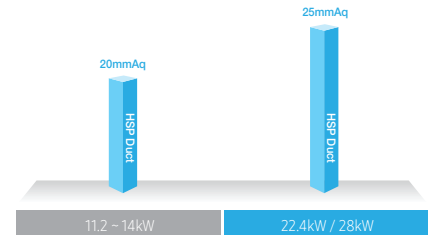
HSP CEILING DUCTED

Powerful and Flexible

Managing high external static pressures up to 25mmAq, the powerful HSP Ceiling Ducted provides a very large coverage area with outstanding cooling performance. HSP Ceiling Ducted is an ideal fit for spaces with high ceiling.



*Applicable to 12.8kW and 14.0kW models.

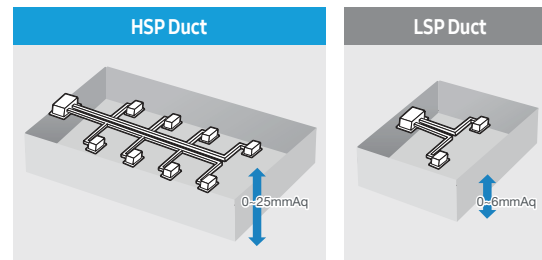


High External Static Pressure

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

Strong and Large Coverage Area

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

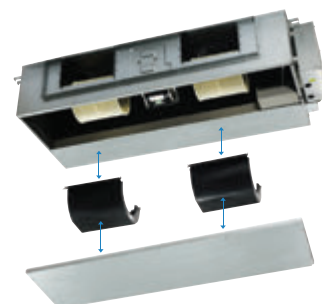


Silent Operation with the Static Pressure Control

Whatever the environment, our Smart Pressure Control System provides users with consistent cooling power. The Smart Pressure Control System adjusts the fan speed according to External Static Pressure (ESP) so that your ideal ambience is achieved and with a quieter, more efficient operation.

Easy to Maintain

Time and maintenance costs are reduced since parts are easily accessible by removing the button panel.



SLIM CEILING DUCTED

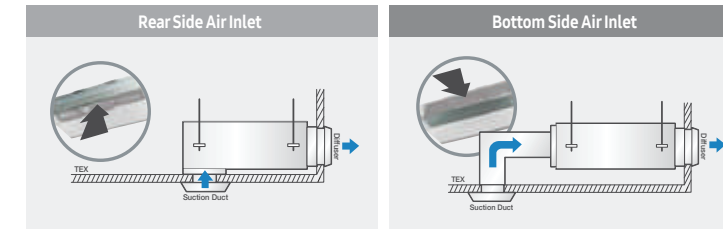
Silent and Flexible

Only 199mm thick, the Slim Ceiling Ducted can be concealed almost anywhere. Its slender design is not only highly elegant, it makes installation, maintenance and repair work quick and easy.



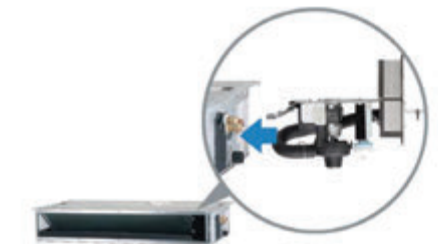
Flexible Installation

Thanks to the option to set up the air inlet on either bottom or rear of the unit, the Slim Ceiling Ducted can be customised to suit any environment. This flexibility in installation means it can be configured to suit almost any room, and is easily concealed behind ceilings, allowing it to blend in while providing an enhanced airflow to the surrounding space.



Easier Drain Pump Installation

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

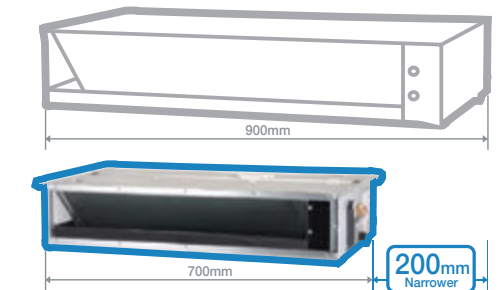


Various installation options

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.

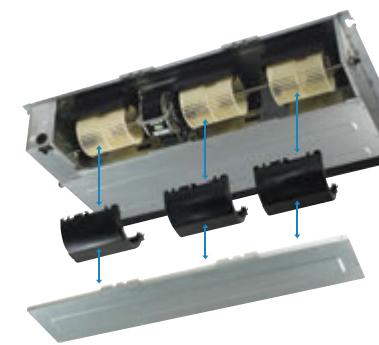
World's lightest weight

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.



OAP CEILING DUCTED

Quiet and Efficient

Samsung's new Outdoor Air Processing Ceiling Ducted (OAP) is an outside 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 Ceiling Ducted unit can be connected to the same refrigerant line, resulting in enhanced design flexibility and a reduction in total system costs. A BLDC motor extends the saving with lower energy consumption.



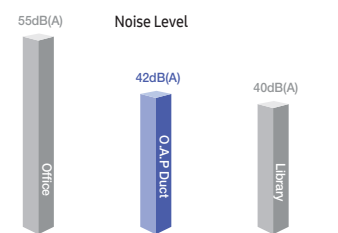
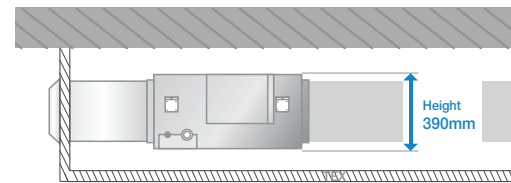
Wide Operation Range

Outdoor Air Processing Ceiling Ducted can supply fresh air to the interior area through cooling or heating processing from a wide range of outside temperature from -5°C ~ 52°C.



Flexible Installation

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

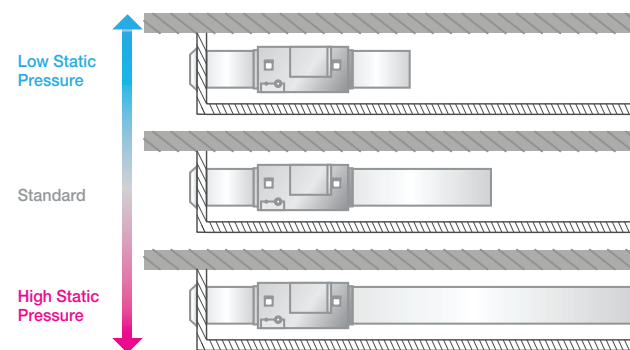


Quiet Operation

Equipped with the highly efficient BLDC motor, Outdoor Air Processing Ceiling Ducted operates quietly with a sound level as low as 42dB, slightly higher than that of a library, while provide your environment with optimum cooling comfort.

Flexible Static Pressure Control

If the static pressure in installation area of the duct exceeds the standard, then the static pressure control system will adjust the fan speed to maintain the optimised air volume.



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.

WALL MOUNTED

AR5000 SERIES



Triangular Architecture for Powerful Cooling

The unique triangular architecture of Samsung wall-mounted indoor unit radically improves its cooling performance, circulating cool air faster and further around your environment. And its Virus Doctor and Easy Filter reduce dust, contaminants, allergens, bacteria and viruses.

Cools Faster, Farther, and Wider

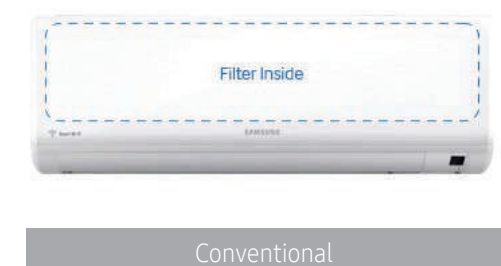
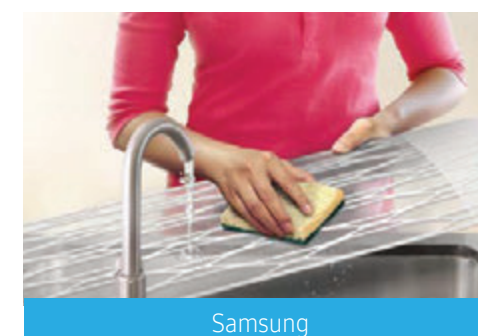
Samsung Air Conditioner is designed to be outstandingly efficient. Its uniquely triangular architecture has a wider intake, so more air can be drawn in. The improved width and angle of its outlet, extra v-blades and a bigger fan also ensure that air is cooled and expelled faster and further. So that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



*Compared against Samsung conventional model AQV09TWS.

Easy Clean Filter

Conventional filters are commonly located inside the air conditioner units. One must open the front cover of the air conditioner unit to remove the filter for cleaning. In contrast, Samsung Easy Filter is located on the top side of the unit. It can easily be taken out, cleaned and then placed back. Regular cleaning helps air conditioners to perform at their best. Its anti-bacterial coating filter also reduces dust, airborne contaminants and allergens.*



CONSOLE

Slim and Elegant Console

The slim and elegant Samsung Console indoor unit is designed to perfectly fit for spaces with high ceiling and many windows while maintaining an optimal indoor temperature. Samsung's console air conditioning solution makes any environment more pleasant and comfortable with its 2-way airflow outlets and quiet operation.



Slim Design

The new Console air conditioner is only 199mm thick. Its unobtrusive design easily integrates into any decor.



Stay-clean

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

Sophisticated Control

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



2-Way Air Outlets

There are two separate air outlets for cooling and heating. The cooling air comes out from the upper part of the air outlet to spread the cool air evenly throughout the room. You can stay cooler in every corner of your room.



CEILING



Slim yet Functional Ceiling Unit

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.

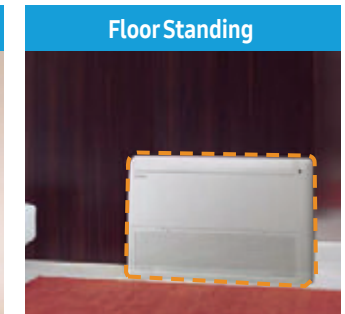
Small package, big performance

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



2-Way Installation

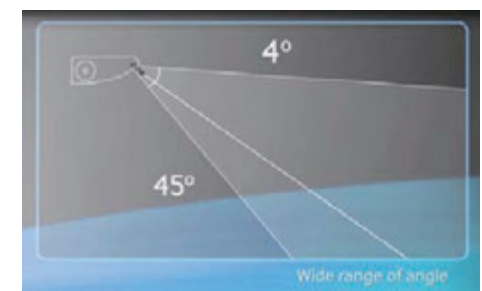
Depending on the available space and the purpose of the air conditioner, the indoor unit can be installed under the ceiling or on the floor.



Fast Cooling, Long Distance e Wind

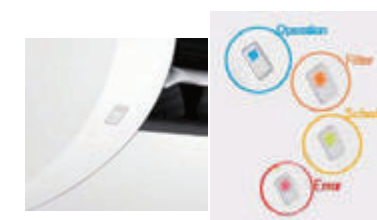
Samsung's Ceiling Suspend indoor unit applies the latest flow-efficient blowers to increase the amount of cool air it discharges. It also mounts a single BLDC motor to reduce noise.

The advanced blade, which can move from 40° to 45°, distributes cool air to reach every corner of the room.



Simple Display

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



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

CONCEALED FLOOR STANDING

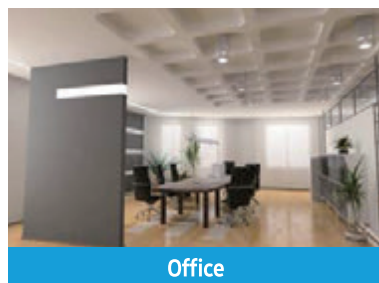


Design flexibility for unique spaces

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

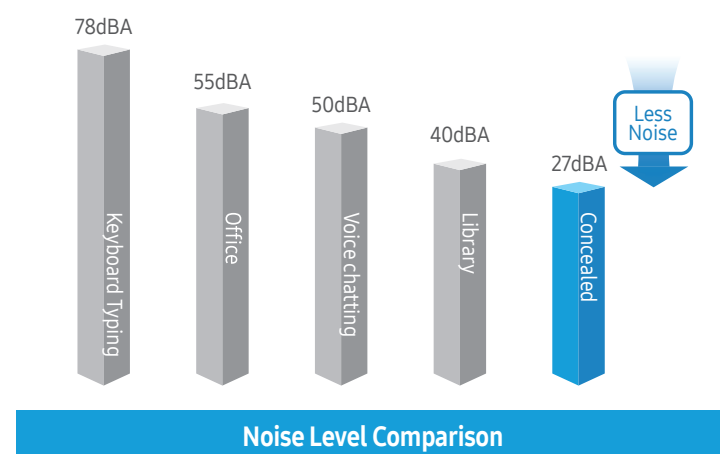
Effective Cooling System

The Concealed Floor Standing unit offers wide versatility in solving cooling space requirements for a variety of environments, such as offices, schools and hotels. Whether it is on the floor or mounted, the unit compensates for high ceilings and windows conditions while delivering consistent cooling performance.



Silent operation

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



FLOOR STANDING

Super

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



Long range air flow

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

Duct installation for a large space

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



Mirage

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

4 Way auto swing

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



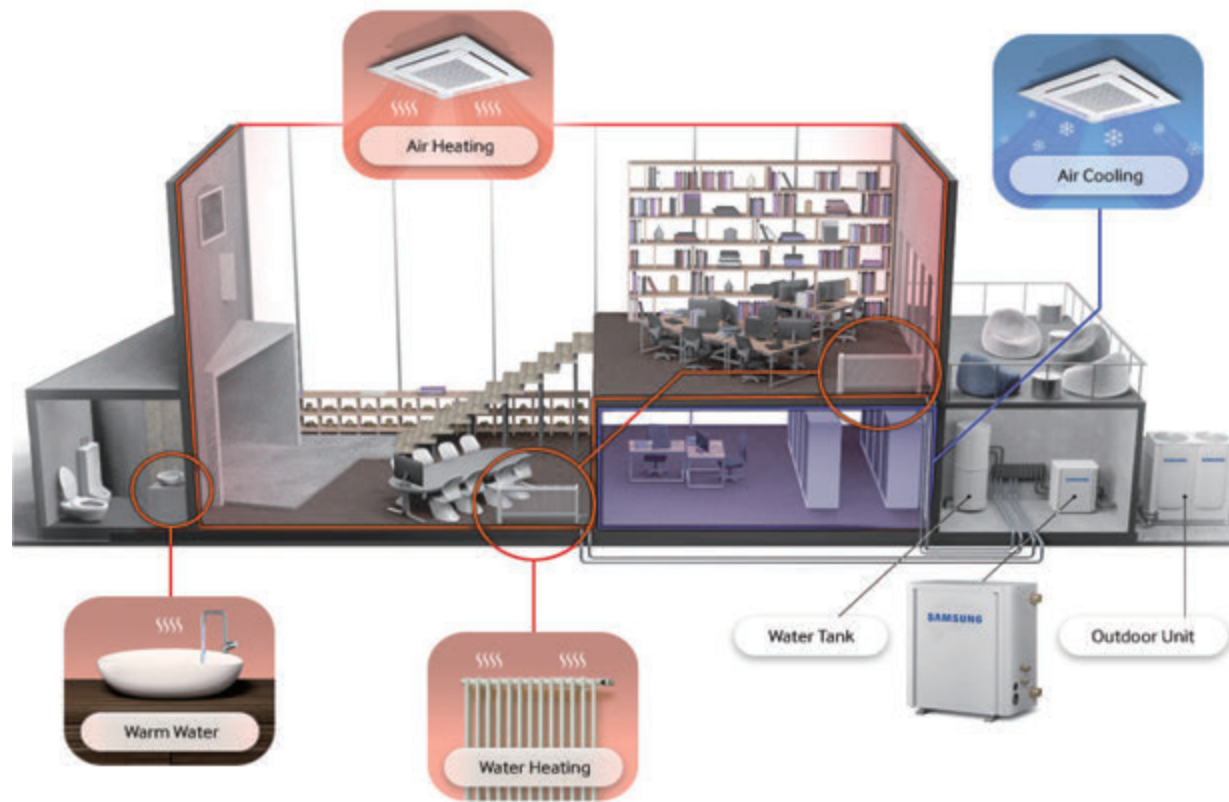
Full touch panel control

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



Auto shutter

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



Streamline operation with all-in-one cooling and heating

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

Integrated cooling and heating

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

Simplified control

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



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.

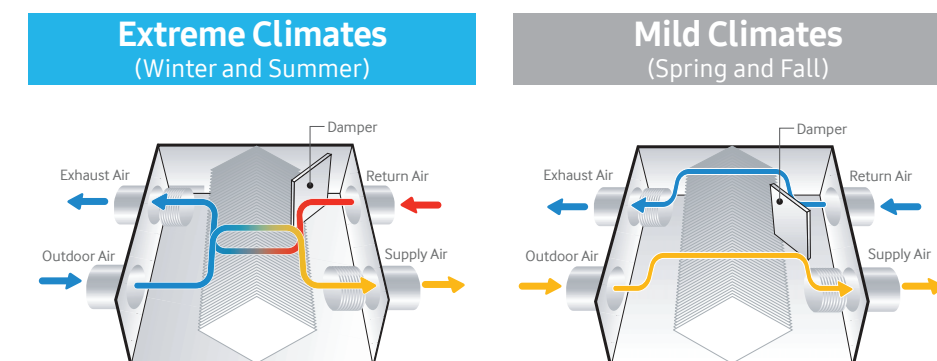
Drive energy savings with unparalleled heat exchange and automated temperature control

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.

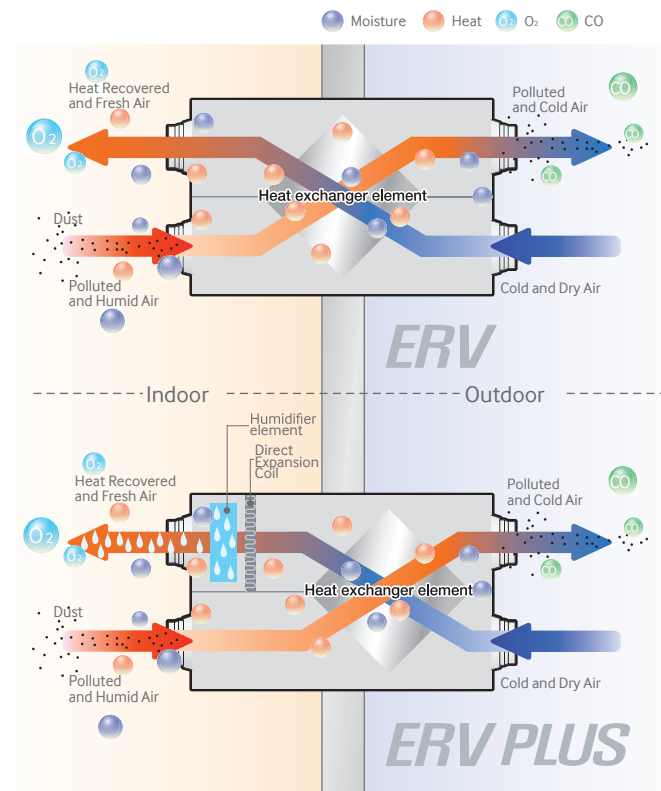


ERV PLUS/ERV

Smart CO₂ Detection

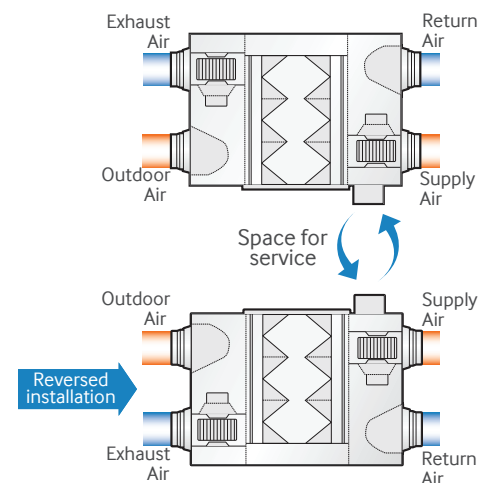
ERV provides fresh in-room airflow by detecting CO₂ with the optional CO₂ Sensor. Users can also attach a humidity stat (procured locally), which detects the moisture of the room and automatically adjusts its humidity level.

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).



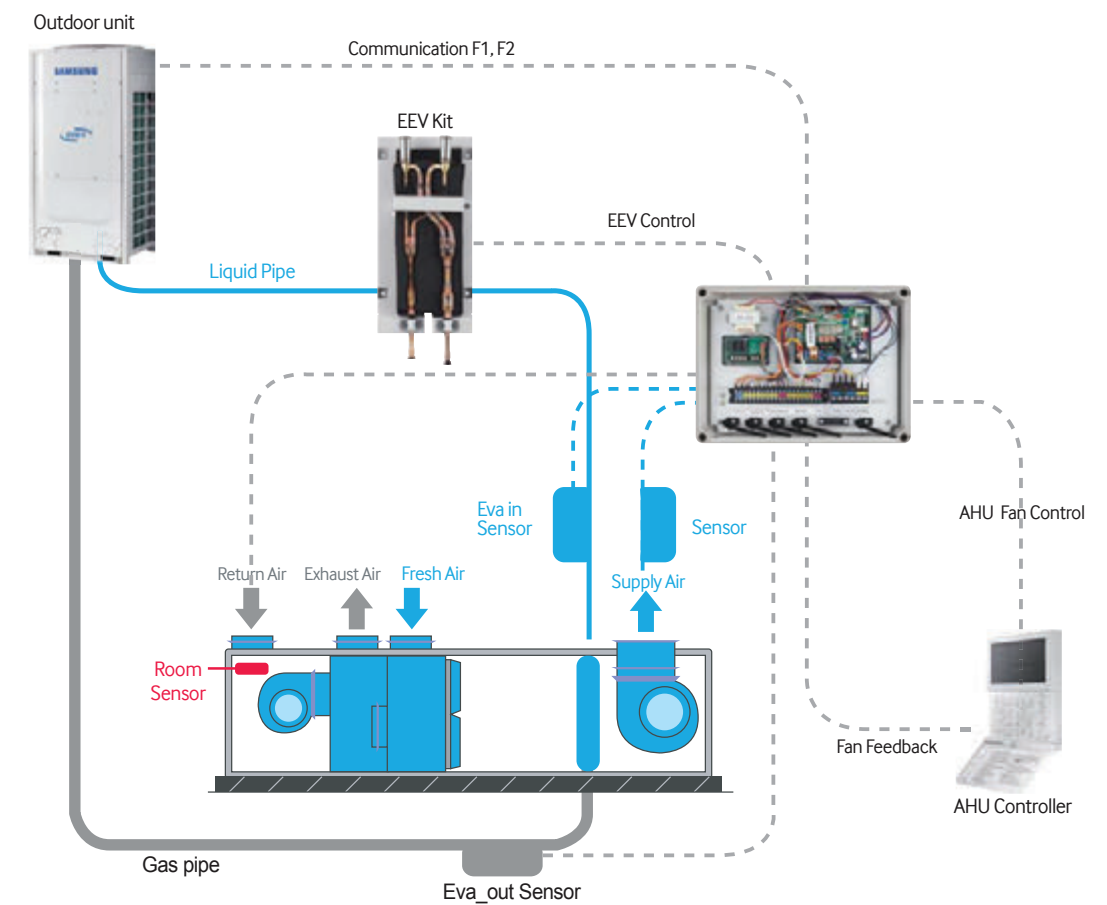
AHU KIT

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 effectivity.

Features includes:

- IP54 waterproof certification (MXD-K***AN)
- Variable capacity
- 2.5HP - 40HP
- Simple BMS application
- 0-10V
- Discharge air temperature control



DVMS

INDOOR UNIT SPECIFICATION



DVMS

SPECIFICATION



360 Cassette

Model Code		AM045KN4DEH	AM056KN4DEH	AM071KN4DEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	4.5	5.6	7.1
	Cooling [Btu/hr]	15,400	19,100	24,200
Power Input	Cooling [kW]	26	30	34
Current Input	Cooling [A]	0.18	0.21	0.25
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	65 x 1	65 x 1	65 x 1
	Air Flow Rate [CMM]	14.50 / 13.50 / 12.50	16.00 / 14.50 / 13.50	18.00 / 16.00 / 14.00
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Gas Pipe [Ø, mm]	12.7	12.7	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	33 / 31 / 29	34 / 32 / 29	36 / 33 / 30
External Dimension (Outdoor Unit)	Net Weight [kg]	21.0	21.0	21.0
	Net Dimensions (WxHxD) [mm]	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947
Panel Size	Panel Model	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Panel Net Weight [kg]	3.6	3.6	3.6
	Net Dimension (WxHxD) [mm]	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000



360 Cassette

Model Code		AM090KN4DEH	AM112KN4DEH	AM128KN4DEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	9.0	11.2	12.8
	Cooling [Btu/hr]	30,700	38,200	43,700
Power Input	Cooling [kW]	55	53	77
Current Input	Cooling [A]	0.42	0.41	0.62
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	65 x 1	97 x 1	97 x 1
	Air Flow Rate [CMM]	22.00 / 18.50 / 16.00	25.50 / 21.00 / 17.50	29.50 / 24.00 / 19.00
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	40 / 36 / 32	40 / 36 / 32	42 / 38 / 33
External Dimension (Outdoor Unit)	Net Weight [kg]	21.0	24.0	24.0
	Net Dimensions (WxHxD) [mm]	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947
Panel Size	Panel Model	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Panel Net Weight [kg]	3.6	3.6	3.6
	Net Dimension (WxHxD) [mm]	1,000 x 66 x 1,000	1,000 x 66 x 1,000	1,000 x 66 x 1,000

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB

Individual Controllers (Optional)



Panel (Optional)





360 Cassette

Model Code		AM140KN4DEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50
System	Mode	HP/HR
Capacity	Cooling [kW]	14.0
	Cooling [Btu/hr]	47,800
Power Input	Cooling [kW]	91
Current Input	Cooling [A]	0.75
Fan	Type	Turbo Fan
	Output x n [W]	97 x 1
	Air Flow Rate [CMM]	31.50 / 26.50 / 21.00
Piping Connections	Liquid Pipe [Ø, mm]	9.52
	Gas Pipe [Ø, mm]	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	44 / 40 / 35
External Dimension (Outdoor Unit)	Net Weight [kg]	24.0
	Net Dimensions (WxHxD) [mm]	947 x 365 x 947
Panel Size	Panel Model	PC4NUDMAN
	Panel Net Weight [kg]	3.6
	Net Dimension (WxHxD) [mm]	1,000 x 66 x 1,000



4 Way Cassette S (600 X 600)

Model Code		AM015HNNDEH	AM022FNNDDEH	AM028FNNDDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	1.5	2.2	2.8
	Cooling [Btu/hr]	5,100	7,500	9,600
Power Input	Cooling [kW]	18	18	18
Current Input	Cooling [A]	0.17	0.17	0.17
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	65 x 1	65 x 1	65 x 1
	Air Flow Rate [CMM]	8.2 / 7.0 / 6.3	9.0 / 7.7 / 6.5	10.0 / 8.5 / 7.5
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Gas Pipe [Ø, mm]	12.7	12.7	12.7
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	30 / 28 / 23	32 / 29 / 25	33 / 30 / 26
External Dimension (Outdoor Unit)	Net Weight [kg]	12.0	12.0	12.0
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel Model	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN
	Panel Net Weight [kg]	2.7	2.7	2.7
	Net Dimension (WxHxD) [mm]	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



4 Way Cassette (600 X 600)

Model Code		AM036FNNDEH	AM045FNNDEH	AM056FNNDEH	AM060FNNDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	3.6	4.5	5.6	6
	Cooling [Btu/hr]	12,300	15,400	19,100	20,500
Power Input	Cooling [kW]	20	23	28	31
Current Input	Cooling [A]	0.19	0.22	0.27	0.3
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	65 x 1	65 x 1	65 x 1	65 x 1
	Air Flow Rate [CMM]	10.5 / 9.5 / 8.0	11.5 / 10.2 / 9.0	13.0 / 11.0 / 9.5	13.5 / 12.0 / 10.2
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35	6.35
	Gas Pipe [Ø, mm]	12.7	12.7	12.7	12.7
	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 [dB(A)]	34 / 30 / 26	36 / 34 / 32	39 / 36 / 33	40 / 38 / 35
External Dimension (Outdoor Unit)	Net Weight [kg]	12.0	12.0	12.0	12.0
	Net Dimensions (WxHxD) [mm]	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
Panel Size	Panel Model	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN	PC4SUSMAN
	Panel Net Weight [kg]	2.7	2.7	2.7	2.7
	Net Dimension (WxHxD) [mm]	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670



4 Way Cassette

Model Code		AM045FN4DEH	AM056FN4DEH	AM071FN4DEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	4.5	5.6	7.1
	Cooling [Btu/hr]	15,400	19,100	24,200
Power Input	Cooling [kW]	32	32	45
Current Input	Cooling [A]	0.22	0.22	0.31
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	65 x 1	65 x 1	65 x 1
	Air Flow Rate [CMM]	14.5 / 13.5 / 12.5	15.0 / 14.0 / 13.0	17.0 / 15.5 / 14.5
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Gas Pipe [Ø, mm]	12.7	12.7	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	33 / 32 / 30	33 / 32 / 30	35 / 34 / 33
External Dimension (Outdoor Unit)	Net Weight [kg]	15.5	15.5	15.5
	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
Panel Size	Panel Model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Panel Net Weight [kg]	5.8	5.8	5.8
	Net Dimension (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950

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 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



4 Way Cassette



Model Code		AM090FN4DEH	AM112FN4DEH	AM128FN4DEH	AM140FN4DEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
	Capacity				
Capacity	Cooling [kW]	9.0	11.2	12.8	14.0
	Cooling [Btu/hr]	30,700	38,200	43,700	47,800
Power Input	Cooling [kW]	62	78	73	89
Current Input	Cooling [A]	0.43	0.55	0.51	0.62
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Output x n [W]	65 x 1	65 x 1	97 x 1	97 x 1
	Air Flow Rate [CMM]	19.5 / 18.0 / 16.5	26.0 / 24.0 / 22.0	28.0 / 26.0 / 23.0	30.0 / 28.0 / 26.0
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88	15.88
	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 [dB(A)]	39 / 36 / 33	40 / 38 / 35	42 / 40 / 35	44 / 41 / 35
External Dimension (Outdoor Unit)	Net Weight [kg]	15.5	17.0	19.0	19.0
	Net Dimensions (WxHxD) [mm]	840 x 204 x 840	840 x 246 x 840	840 x 288 x 840	840 x 288 x 840
	Panel Model	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
Panel Size	Panel Net Weight [kg]	5.8	5.8	5.8	5.8
	Net Dimension (WxHxD) [mm]	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950

1 Way Cassette



Model Code		AM028FN1DEH	AM036FN1DEH	AM056JN1DEH	AM071JN1DEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR	HP/HR
	Capacity				
Capacity	Cooling [kW]	2.8	3.6	5.6	7.1
	Cooling [Btu/hr]	9,600	12,300	19,100	24,200
Power Input	Cooling [kW]	45	50	55	80
Current Input	Cooling [A]	0.23	0.25	0.28	0.4
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Output x n [W]	17 x 1	17 x 1	54 x 1	54 x 1
	Air Flow Rate [CMM]	7.00 / 6.00 / 5.00	8.00 / 7.00 / 6.00	16.00 / 14.00 / 12.50	17.00 / 15.50 / 14.00
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35	9.52
	Gas Pipe [Ø, mm]	12.7	12.7	12.7	15.88
	Drain Pipe [Ø, mm]	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)
Sound	Sound Pressure [dB(A)]	29 / 27 / 24	35 / 31 / 27	36 / 33 / 31	39 / 37 / 34
External Dimension (Outdoor Unit)	Net Weight [kg]	10.5	10.5	14.5	14.5
	Net Dimensions (WxHxD) [mm]	970 x 135 x 410	970 x 135 x 410	1,200 x 138 x 450	1,200 x 138 x 450
	Panel Model	PC1NUSMAN	PC1NUSMAN	PC1BWSMAN	PC1BWSMAN
Panel Size	Panel Net Weight [kg]	3	3	6.3	6.3
	Net Dimension (WxHxD) [mm]	1,180 x 25 x 460	1,180 x 25 x 460	1,410 x 23 x 500	1,410 x 23 x 500

1 Way Cassette



Model Code		AM017HN1DEH	AM022FN1DEH	AM022HN1DEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
	Capacity			
Capacity	Cooling [kW]	1.7	2.2	2.2
	Cooling [Btu/hr]	5,800	7,500	7,500
Power Input	Cooling [kW]	24	24	25
Current Input	Cooling [A]	0.14	0.2	0.15
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Output x n [W]	27 x 1	17 x 1	27 x 1
	Air Flow Rate [CMM]	4.80 / 4.30 / 4.10	6.00 / 5.00 / 4.00	5.10 / 4.60 / 4.30
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Gas Pipe [Ø, mm]	12.7	12.7	12.7
	Drain Pipe [Ø, mm]	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)	VP20 (OD 26,ID 20)
Sound	Sound Pressure [dB(A)]	27 / 24 / 21	27 / 25 / 23	27 / 25 / 23
External Dimension (Outdoor Unit)	Net Weight [kg]	8.0	10.5	8.0
	Net Dimensions (WxHxD) [mm]	740 x 135 x 360	970 x 135 x 410	740 x 135 x 360
	Panel Model	PC1MWSKAN	PC1NUSMAN	PC1MWSKAN
Panel Size	Panel Net Weight [kg]	2.6	3	2.6
	Net Dimension (WxHxD) [mm]	900 x 25 x 420	1,180 x 25 x 460	900 x 25 x 420

2 Way Cassette



Model Code		AM056FN2DEH	AM071FN2DEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
	Capacity		
Capacity	Cooling [kW]	5.6	7.1
	Cooling [Btu/hr]	19,100	24,200
Power Input	Cooling [kW]	70	75
Current Input	Cooling [A]	0.38	0.4
Fan	Type	Crossflow Fan	Crossflow Fan
	Output x n [W]	14	14
	Air Flow Rate [CMM]	14 / 13 / 12	15 / 14 / 13
Piping Connections	Liquid Pipe [Ø, mm]	6.35	9.52
	Gas Pipe [Ø, mm]	12.7	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	38 / 37 / 35	41 / 39 / 37
External Dimension (Outdoor Unit)	Net Weight [kg]	21.0	22.0
	Net Dimensions (WxHxD) [mm]	890 x 230 x 575	890 x 230 x 575
	Panel Model	PC2NUSMEN	PC2NUSMEN
Panel Size	Panel Net Weight [kg]	4	4
	Net Dimension (WxHxD) [mm]	1,030 x 25 x 650	1,030 x 25 x 650

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 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB

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 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB





Duct S

Model Code		AM036HNMPKH	AM045HNMPKH	AM056HNMPKH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	3.6	4.5	5.6
	Cooling [Btu/hr]	12,300	15,400	19,100
Power Input	Cooling [kW]	50	60	70
Current Input	Cooling [A]	0.5	0.6	0.7
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	153 x 1	153 x 1	153 x 1
	Air Flow Rate [CMM]	12.0 / 9.5 / 8.0	14.0 / 11.0 / 8.0	16.0 / 13.5 / 11.0
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Gas Pipe [Ø, mm]	12.7	12.7	12.7
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	29 / 26 / 23	31 / 28 / 24	32 / 29 / 25
External Dimension (Outdoor Unit)	Net Weight [kg]	25.5	25.5	25.5
	Net Dimensions (WxHxD) [mm]	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700
Air Filter	Type	"Removable / Washable / Mildew proof"	"Removable / Washable / Mildew proof"	"Removable / Washable / Mildew proof"



Duct S

Model Code		AM071HNMPKH	AM090HNMPKH	AM112HNMPKH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	7.1	9.0	11.2
	Cooling [Btu/hr]	24,200	30,700	38,200
Power Input	Cooling [kW]	120	145	165
Current Input	Cooling [A]	1.0	1.2	1.4
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	153 x 1	153 x 1	244 x 1
	Air Flow Rate [CMM]	22.0 / 19.0 / 16.0	29.0 / 25.0 / 22.0	35.0 / 29.0 / 22.0
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	37 / 33 / 29	38 / 35 / 32	38 / 35 / 32
External Dimension (Outdoor Unit)	Net Weight [kg]	25.5	33.0	38.5
	Net Dimensions (WxHxD) [mm]	850 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700
Air Filter	Type	"Removable / Washable / Mildew proof"	"Removable / Washable / Mildew proof"	"Removable / Washable / Mildew proof"

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Duct S

Model Code		AM128HNMPKH	AM140HNMPKH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	12.8	14.0
	Cooling [Btu/hr]	43,700	47,800
Power Input	Cooling [kW]	175	215
Current Input	Cooling [A]	1.5	1.7
Fan	Type	Sirocco Fan	Sirocco Fan
	Output x n [W]	244 x 1	244 x 1
	Air Flow Rate [CMM]	38.0 / 32.0 / 25.0	42.0 / 34.0 / 25.0
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	39 / 36 / 33	40 / 37 / 33
External Dimension (Outdoor Unit)	Net Weight [kg]	38.5	38.5
	Net Dimensions (WxHxD) [mm]	1300 x 300 x 700	1300 x 300 x 700
Air Filter	Type	"Removable / Washable / Mildew proof"	"Removable / Washable / Mildew proof"



Duct S

Model Code		AM112HNHPKH	AM128HNHPKH	AM140HNHPKH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	11.2	12.8	14.0
	Cooling [Btu/hr]	38,200	43,700	47,800
Power Input	Cooling [kW]	205	230	260
Current Input	Cooling [A]	1.2	1.4	1.5
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	350 x 1	350 x 1	350 x 1
	Air Flow Rate [CMM]	35.0 / 29.0 / 22.0	38.0 / 32.0 / 25.0	42.0 / 34.0 / 25.0
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	38 / 35 / 32	39 / 36 / 33	40 / 37 / 34
External Dimension (Outdoor Unit)	Net Weight [kg]	38.5	38.5	38.5
	Net Dimensions (WxHxD) [mm]	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700
Air Filter	Type	"Removable / Washable / Mildew proof"	"Removable / Washable / Mildew proof"	"Removable / Washable / Mildew proof"

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Slim Duct

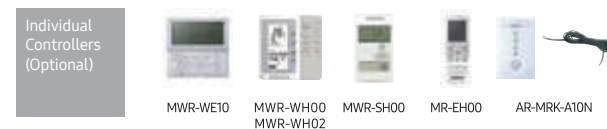
Model Code	AM022KNLDEH	AM028KNLDEH	AM036KNLDEH	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	2.2	2.8	3.6
	Cooling [Btu/hr]	7,500	9,600	12,300
Power Input	Cooling [kW]	30	34	40
Current Input	Cooling [A]	0.25	0.28	0.33
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	69 x 1	69 x 1	69 x 1
	Air Flow Rate [CMM]	6.00 / 4.90 / 3.80	7.05 / 5.15 / 4.35	8.20 / 6.50 / 4.90
	External Static Pressure (Max) [mmAq]	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0	0.0 / 1.0 / 3.0
	External Static Pressure (Max) [Pa]	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42	0.00 / 9.81 / 29.42
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Gas Pipe [Ø, mm]	12.7	12.7	12.7
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	26 / 23 / 19	28 / 24 / 19	31 / 26 / 20
External Dimension (Outdoor Unit)	Net Weight [kg]	15.3	15.3	15.7
	Net Dimensions (WxHxD) [mm]	700 x 199 x 440	700 x 199 x 440	700 x 199 x 440
Air Filter	Type	Long life filter	Long life filter	Long life filter



Slim Duct

Model Code	AM045KNLDEH	AM056KNLDEH	AM071KNLDEH	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	4.5	5.6	7.1
	Cooling [Btu/hr]	15,400	19,100	24,200
Power Input	Cooling [kW]	90	95	120
Current Input	Cooling [A]	0.52	0.53	0.6
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	-	-	-
	Air Flow Rate [CMM]	11.00 / 9.60 / 8.30	12.00 / 10.50 / 9.00	16.50 / 15.00 / 13.50
	External Static Pressure (Max) [mmAq]	0.00 / 2.00 / 4.00	0.00 / 2.00 / 4.00	0.00 / 2.00 / 4.00
	External Static Pressure (Max) [Pa]	0.00 / 19.61 / 39.23	0.00 / 19.61 / 39.23	0.00 / 19.61 / 39.23
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	9.52
	Gas Pipe [Ø, mm]	12.7	12.7	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	35 / 31 / 26	36 / 34 / 31	38 / 36 / 33
External Dimension (Outdoor Unit)	Net Weight [kg]	24.5	24.5	30.5
	Net Dimensions (WxHxD) [mm]	900 x 199 x 600	900 x 199 x 600	1,100 x 199 x 600
Air Filter	Type	Long life filter	Long life filter	Long life filter

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 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



Slim Duct

Model Code	AM090KNLDEH	AM112KNLDEH	AM128KNLDEH	AM140KNLDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	9.0	11.2	12.8
	Cooling [Btu/hr]	30,700	38,200	43,700
Power Input	Cooling [kW]	170	170	200
Current Input	Cooling [A]	0.96	0.96	1.28
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	-	-	-
	Air Flow Rate [CMM]	29.00 / 27.00 / 25.00	31.20 / 29.00 / 27.00	34.00 / 32.00 / 30.00
	External Static Pressure (Max) [mmAq]	0.00 / 3.00 / 6.00	0.00 / 3.00 / 6.00	0.00 / 3.00 / 6.00
	External Static Pressure (Max) [Pa]	0.00 / 29.42 / 58.84	0.00 / 29.42 / 58.84	0.00 / 29.42 / 58.84
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	37 / 36 / 34	37 / 36 / 34	37 / 36 / 34
External Dimension (Outdoor Unit)	Net Weight [kg]	40.5	40.5	42.0
	Net Dimensions (WxHxD) [mm]	1,300 x 295 x 690	1,300 x 295 x 690	1,300 x 295 x 690
Air Filter	Type	Long life filter	Long life filter	Long life filter



MSP Duct

Model Code	AM022KNMDEH	AM028KNMDEH	AM036KNMDEH	AM045KNMDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	2.2	2.8	3.6
	Cooling [Btu/hr]	7,500	9,600	12,300
Power Input	Cooling [kW]	80	80	85
Current Input	Cooling [A]	0.40	0.40	0.55
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	69	69	112
	Air Flow Rate [CMM]	8.50 / 7.50 / 6.30	10.00 / 9.20 / 7.50	12.00 / 10.20 / 8.80
	External Static Pressure (Max) [mmAq]	0.00 / 2.00 / 6.00	0.00 / 2.00 / 6.00	0.00 / 2.00 / 6.00
	External Static Pressure (Max) [Pa]	0.00 / 19.61 / 58.84	0.00 / 19.61 / 58.84	0.00 / 19.61 / 58.84
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Gas Pipe [Ø, mm]	12.7	12.7	12.7
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	23 / 21 / 19	24 / 22 / 19	29 / 27 / 24
External Dimension (Outdoor Unit)	Net Weight [kg]	24.0	24.0	24.0
	Net Dimensions (WxHxD) [mm]	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600
Air Filter	Type	Long life filter	Long life filter	Long life filter

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 * Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



MSP Duct

Model Code	AM056KNMDEH	AM071KNMDEH	AM090KNMDEH	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
System Mode	HP/HR	HP/HR	HP/HR	
Capacity	Cooling [kW]	5.6	7.1	9.0
	Cooling [Btu/hr]	19,100	24,200	30,700
Power Input	Cooling [kW]	130	190	240
Current Input	Cooling [A]	1.10	1.25	1.30
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	124	124	130
	Air Flow Rate [CMM]	14.50 / 13.00 / 11.50	18.50 / 17.00 / 15.50	19.50 / 18.00 / 16.50
	External Static Pressure (Max) [mmAq]	0.00 / 4.00 / 8.00	0.00 / 4.00 / 8.00	4.00 / 6.00 / 8.00
	External Static Pressure (Max) [Pa]	0.00 / 4.00 / 8.00	0.00 / 39.23 / 78.45	39.23 / 58.84 / 78.45
Piping Connections	Liquid Pipe [Ø, mm]	6.35	9.52	9.52
	Gas Pipe [Ø, mm]	12.7	15.88	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	35 / 33 / 31	39 / 35 / 31	40 / 37 / 34
External Dimension (Outdoor Unit)	Net Weight [kg]	28.5	28.5	32.5
	Net Dimensions (WxHxD) [mm]	900 x 260 x 480	900 x 260 x 480	1,150 x 260 x 480
Air Filter	Type	Long life filter	Long life filter	Long life filter

MSP Duct

Model Code	AM112KNMDEH	AM128KNMDEH	AM140KNMDEH	AM160KNMDEH1	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
System Mode	HP/HR	HP/HR	HP/HR	HP/HR	
Capacity	Cooling [kW]	11.2	12.8	14.0	16.0
	Cooling [Btu/hr]	38,200	43,700	47,800	54,600
Power Input	Cooling [kW]	260	370	410	485
Current Input	Cooling [A]	1.17	1.67	1.86	2.24
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	130	218	218	370
	Air Flow Rate [CMM]	27.00 / 25.00 / 23.00	32.00 / 30.00 / 28.00	37.00 / 34.00 / 31.00	43.00 / 38.00 / 30.50
	External Static Pressure (Max) [mmAq]	4.00 / 8.00 / 12.00	4.00 / 8.00 / 14.00	4.00 / 8.00 / 14.00	4.00 / 8.00 / 14.00
	External Static Pressure (Max) [Pa]	39.23 / 78.45 / 117.68	39.23 / 78.45 / 137.29	39.23 / 78.45 / 137.29	39.23 / 78.45 / 137.29
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88	15.88
	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 [dB(A)]	41 / 40 / 38	41 / 40 / 38	42 / 39 / 36	43 / 40 / 36
External Dimension (Outdoor Unit)	Net Weight [kg]	36.0	48.5	48.5	50.5
	Net Dimensions (WxHxD) [mm]	1,150 x 320 x 480	1,200 x 360 x 650	1,200 x 360 x 650	1,200 x 360 x 650
Air Filter	Type	Long life filter	Long life filter	Long life filter	Long life filter

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* Nominal cooling capacities are based on; Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB



HSP Duct

Model Code	AM112FNHDEH	AM128FNHDEH	AM140FNHDEH	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
System Mode	HP/HR	HP/HR	HP/HR	
Capacity	Cooling [kW]	11.2	12.8	14.0
	Cooling [Btu/hr]	38,200	43,700	47,800
Power Input	Cooling [kW]	510	560	625
Current Input	Cooling [A]	3.6	3.75	3.9
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	-	-	-
	Air Flow Rate [CMM]	32 / 27 / 23	35 / 31 / 26	39 / 33 / 28
	External Static Pressure (Max) [mmAq]	5.0 / 10.0 / 20.0	5.0 / 10.0 / 20.0	5.0 / 10.0 / 20.0
	External Static Pressure (Max) [Pa]	49.0 / 98.1 / 196.1	49.0 / 98.1 / 196.1	49.0 / 98.1 / 196.1
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88	15.88
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	43 / 41 / 39	45 / 43 / 42	46 / 45 / 44
External Dimension (Outdoor Unit)	Net Weight [kg]	62.0	62.0	62.0
	Net Dimensions (WxHxD) [mm]	1,200 x 360 x 650	1,200 x 360 x 650	1,200 x 360 x 650
Air Filter	Type	Long life filter	Long life filter	Long life filter

HSP Duct

Model Code	AM220FNHDEH	AM280FNHDEH	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	
System Mode	HP/HR	HP/HR	
Capacity	Cooling [kW]	22.4	28.0
	Cooling [Btu/hr]	76,400	95,500
Power Input	Cooling [kW]	530	790
Current Input	Cooling [A]	3.8	5.9
Fan	Type	Sirocco Fan	Sirocco Fan
	Output x n [W]	-	-
	Air Flow Rate [CMM]	58 / 52 / 47	72 / 65 / 58
	External Static Pressure (Max) [mmAq]	5.0 / 15.0 / 25.0	5.0 / 15.0 / 28.0
	External Static Pressure (Max) [Pa]	49.03 / 147.1 / 245.17	49.03 / 147.1 / 274.59
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	19.05	22.23
	Drain Pipe [Ø, mm]	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Sound	Sound Pressure [dB(A)]	45 / 43 / 41	48 / 46 / 43
External Dimension (Outdoor Unit)	Net Weight [kg]	89.0	89.0
	Net Dimensions (WxHxD) [mm]	1,240 x 470 x 1,040	1,240 x 470 x 1,040
Air Filter	Type	Long life filter	Long life filter

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O.A.P

Model Code		AM140JNEPEH	AM220JNEPEH	AM280JNEPEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP	HP	HP
Capacity	Cooling [kW]	14.0	22.4	28.0
	Cooling [Btu/hr]	47,800	76,400	95,500
Power Input	Cooling [kW]	220	300	370
Current Input	Cooling [A]	1.6	2.2	3
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n [W]	183	400	400
	Air Flow Rate [CMM]	18	28	35
	External Static Pressure (Max) [mmAq]	5.0 / 20.39 / 25.0	10.0 / 23.45 / 25.0	10.0 / 25.49 / 27.5
	External Static Pressure (Max) [Pa]	49.0 / 199.82 / 245.0	98.0 / 229.81 / 245.0	98.0 / 249.8 / 269.5
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	19.05	22.22
	Gas Pipe [Ø, inch]	5/8	3/4	7/8
Refrigerant				
Sound	Sound Pressure [dB(A)]	42	46	47
External Dimension (Outdoor Unit)	Net Weight [kg]	51.0	85.0	85.0
	Net Dimensions (WxHxD) [mm]	1,110 x 390 x 650	1,240 x 470 x 1,040	1,240 x 470 x 1,040
Air Filter	Type	-	-	-



Wall Mounted (AR5000)

Model Code		AM036JNVDKH	AM045JNVDKH	AM056JNVDKH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	3.6	4.5	5.6
	Cooling [Btu/hr]	12,300	15,400	19,100
Power Input	Cooling [kW]	20	31	27
Current Input	Cooling [A]	0.15	0.24	0.21
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor	27	27	27
	Air Flow Rate [CMM]	7.1 / 5.7 / 4.6	8.9 / 7.5 / 6.0	11.8 / 10.0 / 8.2
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Liquid Pipe [Ø, inch]	1/4	1/4	1/4
	Gas Pipe [Ø, mm]	12.7	12.7	12.7
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	ID18 Hose
Refrigerant	Control Method	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure [dB(A)]	37 / 34 / 30	41 / 38 / 34	39 / 36 / 33
External Dimension (Outdoor Unit)	Net Weight [kg]	9.6	9.6	14.5
	Net Dimensions (WxHxD) [mm]	826 x 261 x 261	826 x 261 x 261	1,065 x 301 x 294
Accessories	Virus Doctor	Included	Included	Included

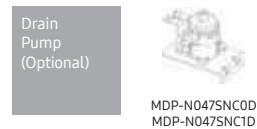
Wall Mounted (AR5000)

Model Code		AM015JNVDKH	AM022JNVDKH	AM028JNVDKH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	1.5	2.2	2.8
	Cooling [Btu/hr]	5,100	7,500	9,600
Power Input	Cooling [kW]	14	15	16
Current Input	Cooling [A]	0.12	0.13	0.13
Fan	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Motor	27	27	27
	Air Flow Rate [CMM]	4.4 / 4.2 / 3.8	5.4 / 4.7 / 4.0	5.7 / 5.0 / 4.3
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35	6.35
	Liquid Pipe [Ø, inch]	1/4	1/4	1/4
	Gas Pipe [Ø, mm]	12.7	12.7	12.7
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	ID18 Hose
Refrigerant	Control Method	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure [dB(A)]	28 / 25 / 24	33 / 29 / 25	36 / 31 / 25
External Dimension (Outdoor Unit)	Net Weight [kg]	7.9	7.9	8.0
	Net Dimensions (WxHxD) [mm]	750 x 249 x 246	750 x 249 x 246	750 x 249 x 246
Accessories	Virus Doctor	Included	Included	Included

Wall Mounted (AR5000)

Model Code		AM071JNVDKH	AM082JNVDKH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]		1,2,220-240,50	1,2,220-240,50
System	Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	7.1	8.2
	Cooling [Btu/hr]	24,200	28,000
Power Input	Cooling [kW]	41	55
Current Input	Cooling [A]	0.31	0.42
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor	27	27
	Air Flow Rate [CMM]	14.8 / 12.4 / 10.0	16.7 / 14.3 / 12.4
Piping Connections	Liquid Pipe [Ø, mm]	9.52	9.52
	Gas Pipe [Ø, mm]	15.88	15.88
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose
Refrigerant	Control Method	EEV Included	EEV Included
Sound	Sound Pressure [dB(A)]	44 / 41 / 36	47 / 43 / 40
External Dimension (Outdoor Unit)	Net Weight [kg]	14.5	14.5
	Net Dimensions (WxHxD) [mm]	1,065 x 301 x 294	1,065 x 301 x 294
Accessories	Virus Doctor	Included	Included

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Wall Mounted (Boracay)

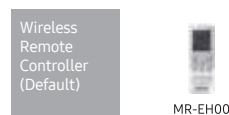
Model Code	AM015KNQDEH	AM022KNQDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50
System Mode	HP	HP
Capacity	Cooling [kW]	1.5
	Cooling [Btu/hr]	5,100
Power Input	Cooling [kW]	32
Current Input	Cooling [A]	0.2
Fan	Type	Crossflow Fan
	Motor	19
	Air Flow Rate [CMM]	6.2 / 5.7 / 5.1
Piping Connections	Liquid Pipe [Ø, mm]	6.35
	Gas Pipe [Ø, mm]	12.7
	Drain Pipe [Ø, mm]	ID18 Hose
Refrigerant	Control Method	EEV Included
Sound	Sound Pressure [dB(A)]	30 / 28 / 25
External Dimension (Outdoor Unit)	Net Weight [kg]	8.5
	Net Dimensions (WxHxD) [mm]	820 x 285 x 277



Wall Mounted (Boracay)

Model Code	AM028KNQDEH	AM036KNQDEH	AM045KNQDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System Mode	HP	HP	HP
Capacity	Cooling [kW]	2.8	3.6
	Cooling [Btu/hr]	9,600	12,300
Power Input	Cooling [kW]	38	42
Current Input	Cooling [A]	0.22	0.23
Fan	Type	Crossflow Fan	Crossflow Fan
	Motor	19	19
	Air Flow Rate [CMM]	7.0 / 6.2 / 5.5	8.5 / 7.5 / 6.6
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35
	Gas Pipe [Ø, mm]	12.7	12.7
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose
Refrigerant	Control Method	EEV Included	EEV not Included
Sound	Sound Pressure [dB(A)]	31 / 29 / 26	36 / 33 / 29
External Dimension (Outdoor Unit)	Net Weight [kg]	9.0	9.0
	Net Dimensions (WxHxD) [mm]	820 x 285 x 277	820 x 285 x 277

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Wall Mounted (Boracay)

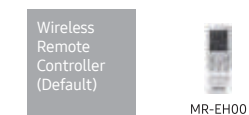
Model Code	AM056KNQDEH	AM071KNQDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50
System Mode	HP	HP
Capacity	Cooling [kW]	5.6
	Cooling [Btu/hr]	19,100
Power Input	Cooling [kW]	48
Current Input	Cooling [A]	0.27
Fan	Type	Crossflow Fan
	Motor	28
	Air Flow Rate [CMM]	14.4 / 12.9 / 11.2
Piping Connections	Liquid Pipe [Ø, mm]	6.35
	Gas Pipe [Ø, mm]	12.7
	Drain Pipe [Ø, mm]	ID18 Hose
Refrigerant	Control Method	EEV Included
Sound	Sound Pressure [dB(A)]	39 / 36 / 33
External Dimension (Outdoor Unit)	Net Weight [kg]	12.5
	Net Dimensions (WxHxD) [mm]	1,065 x 298 x 243



Console

Model Code	AM022KNJDEH	AM045KNJDEH	AM028FNJDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System Mode	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	2.2	4.5
	Cooling [Btu/hr]	7,500	15,400
Power Input	Cooling [kW]	16	36
Current Input	Cooling [A]	0.13	0.3
Fan	Type	Turbo Fan	Turbo Fan
	Motor	37	37
	Air Flow Rate [CMM]	6.30 / 5.40 / 4.90	11.30 / 9.80 / 8.20
Piping Connections	Liquid Pipe [Ø, mm]	6.35	6.35
	Gas Pipe [Ø, mm]	12.7	12.7
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose
Refrigerant	Control Method	EEV Included	EEV Included
Sound	Sound Pressure [dB(A)]	34 / 32 / 30	42 / 39 / 36
External Dimension (Outdoor Unit)	Net Weight [kg]	15.5	16.0
	Net Dimensions (WxHxD) [mm]	720 x 620 x 199	720 x 620 x 199
Accessories	Virus Doctor	Long life filter	Long life filter

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Console



Model Code	AM036FNJDEH	AM056FNJDEH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50
System Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	3.6
	Cooling [Btu/hr]	12,300
Power Input	Cooling [kW]	35
Current Input	Cooling [A]	0.29
Fan	Type	Turbo Fan
	Motor	37
	Air Flow Rate [CMM]	8.50 / 7.50 / 6.50
Piping Connections	Liquid Pipe [Ø, mm]	6.35
	Gas Pipe [Ø, mm]	12.7
	Drain Pipe [Ø, mm]	ID18 Hose
Refrigerant	Control Method	EEV Included
Sound	Sound Pressure [dB(A)]	39 / 37 / 34
External Dimension (Outdoor Unit)	Net Weight [kg]	16.0
	Net Dimensions (WxHxD) [mm]	720 x 620 x 199
Accessories	Virus Doctor	Long life filter

Floor Standing



Model Code	AM036FNFDEH	AM056FNFDEH	AM071FNFDEH	
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	
System Mode	HP/HR	HP/HR	HP/HR	
Capacity	Cooling [kW]	3.6	5.6	7.1
	Cooling [Btu/hr]	12,300	19,100	24,200
	Heating [Btu/hr]	13,600	21,500	27,300
Power Input	Cooling [kW]	50	110	110
Current Input	Cooling [A]	0.24	0.53	0.53
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor	37	37	37
	Air Flow Rate [CMM]	10.00 / 8.50 / 6.00	15.50 / 14.00 / 11.00	15.50 / 14.00 / 11.00
Piping Connections	Liquid Pipe [Ø, mm]	6.35	9.52	9.52
	Gas Pipe [Ø, mm]	12.7	15.88	15.88
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	ID18 Hose
Refrigerant	Control Method	EEV Included	EEV Included	EEV Included
Sound	Sound Pressure [dB(A)]	37 / 32 / 27	40 / 36 / 32	40 / 36 / 32
External Dimension (Outdoor Unit)	Net Weight [kg]	23.0	28.5	28.5
	Net Dimensions (WxHxD) [mm]	945 x 600 x 220	1,225 x 600 x 220	1,225 x 600 x 220
Accessories	Virus Doctor	Long life filter	Long life filter	Long life filter

Ceiling/Console



Model Code	AM056FNCDEH	AM071FNCDEH	AM112JNC DKH	AM140JNC DKH
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50	1,2,220-240,50
System Mode	HP/HR	HP/HR	HP/HR	HP/HR
Capacity	Cooling [kW]	5.6	7.1	11.2
	Cooling [Btu/hr]	19,100	24,200	38,200
Power Input	Cooling [kW]	72	80	92
Current Input	Cooling [A]	0.33	0.35	0.94
Fan	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor	60	120	260
	Air Flow Rate [CMM]	14.00 / 13.00 / 12.00	18.00 / 16.50 / 15.00	29.3 / 23.90 / 18.50
Piping Connections	Liquid Pipe [Ø, mm]	6.35	9.52	9.52
	Gas Pipe [Ø, mm]	12.7	15.88	15.88
	Drain Pipe [Ø, mm]	ID18 Hose	ID18 Hose	VP25 (OD 25, ID 20)
Refrigerant	Control Method	EEV not Included	EEV not Included	EEV Included
Sound	Sound Pressure [dB(A)]	40 / 37 / 34	44 / 42 / 40	45 / 41 / 37
External Dimension (Outdoor Unit)	Net Weight [kg]	21.0	21.0	33.5
	Net Dimensions (WxHxD) [mm]	1,000 x 650 x 200	1,000 x 650 x 200	1,350 x 235 x 675

PAC



Model Code	AM140JNPDKH	AM280JNPDKH/
Power Supply (Outdoor Unit) [Φ, #, V, Hz]	1,2,220-240,50	1,2,220-240,50
System Mode	HP/HR	HP/HR
Capacity	Cooling [kW]	14
	Cooling [Btu/hr]	47,800
	Heating [Btu/hr]	54,600
Power Input	Cooling [kW]	190
Current Input	Cooling [A]	0.9
Fan	Type	Sirocco Fan
	Motor	154
	Air Flow Rate [CMM]	35.00 / 30.50 / 27.50
Piping Connections	Liquid Pipe [Ø, mm]	9.52
	Gas Pipe [Ø, mm]	15.88
	Drain Pipe [Ø, mm]	ID18 Hose
Refrigerant	Control Method	EEV Included
Sound	Sound Pressure [dB(A)]	54 / 47
External Dimension (Outdoor Unit)	Net Weight [kg]	48.0
	Net Dimensions (WxHxD) [mm]	650 x 1,850 x 400

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