

When the revolutionary digital technology provides nature's coolness

Imagination *lives*

Imagination *lives*

Experience the revolutionary  
digital technology with Samsung's  
DVM Plus III outdoor units

Space for Partnership

**Samsung Electronics Co., LTD.**

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www.dvmsystem.com

Version.1



**SAMSUNG**



# Most perfect system air conditioner

Refreshing cooling and heating all year long with the world's best efficiency that saves money and energy. Satisfaction that only Samsung's leading technologies can provide. Just the way you want your system air conditioner to be, as it is custom made for you.

## SAMSUNG ELECTRONICS HOME APPLIANCE PRODUCT AWARDS

Technology can contribute to the development of a greener, cleaner world and increase quality of life. This is a philosophy we have held at Samsung for over 30 years. Ever since its establishment in 1973, Samsung Electronics has concentrated on developing environmentally friendly products and has converged increasingly sophisticated digital technology with its appliance products to attain a strong technological advantage in improving consumers' quality of living with the ultimate in convenience and style.



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# Big Confidence Global Leading Company >> SAMSUNG

Since day one, Samsung Electronics has committed itself to becoming a leader in every facet of its market initiatives. The result is the growth of a brand that's synonymous with impeccable standards, high quality products, and an unwavering dedication to the customer. Through continuous creativity and the development of highly innovative products, Samsung has captured the hearts and minds of customers worldwide, which will propel our company and our brand well into the future.

## SAMSUNG'S BRAND VALUE

In the Digital era, products are being distinguished by their brand in addition to their functions or quality. In 1999 Samsung Electronics has implemented its global brand communication strategy. Since then, based on the research conducted by Interbrand INC., USA, Samsung Electronics has become one of the fastest growing brands equities from 6.4 billion USD (2001) to over 17.7 billion USD (2008) and is now ranked 21st on Interbrand's Top100 Global Brand List.

Samsung has increased its value by emphasizing technology as a life innovator. Samsung will remain close to the customer through its technologies contributing to a higher quality of life.

- 1 Coca-Cola
- 2 Microsoft
- 3 IBM
- 11 Citi Bank

21 SAMSUNG

- 22 Merrill Lynch
- 25 Sony
- 29 Nike

21<sup>st</sup>  
Brand Value  
US\$ 17.7 Billion

## GLOBAL BUSINESS NETWORK

Samsung's thrust on Product Innovation and R&D has given the company a competitive edge in the marketplace. With an investment of over USD 4.59 billion, Samsung operates 16 R&D centers worldwide and employs 27,000 researchers of which 2,500 hold a Ph. D. As a result, Samsung has already applied for 1600 patents in the USA. The focus of the R&D center is to customize electronics products to meet the Specific needs of consumers in that region. Samsung R&D Centers are helping the company to continuously innovate and introduce products customized for today's global market.



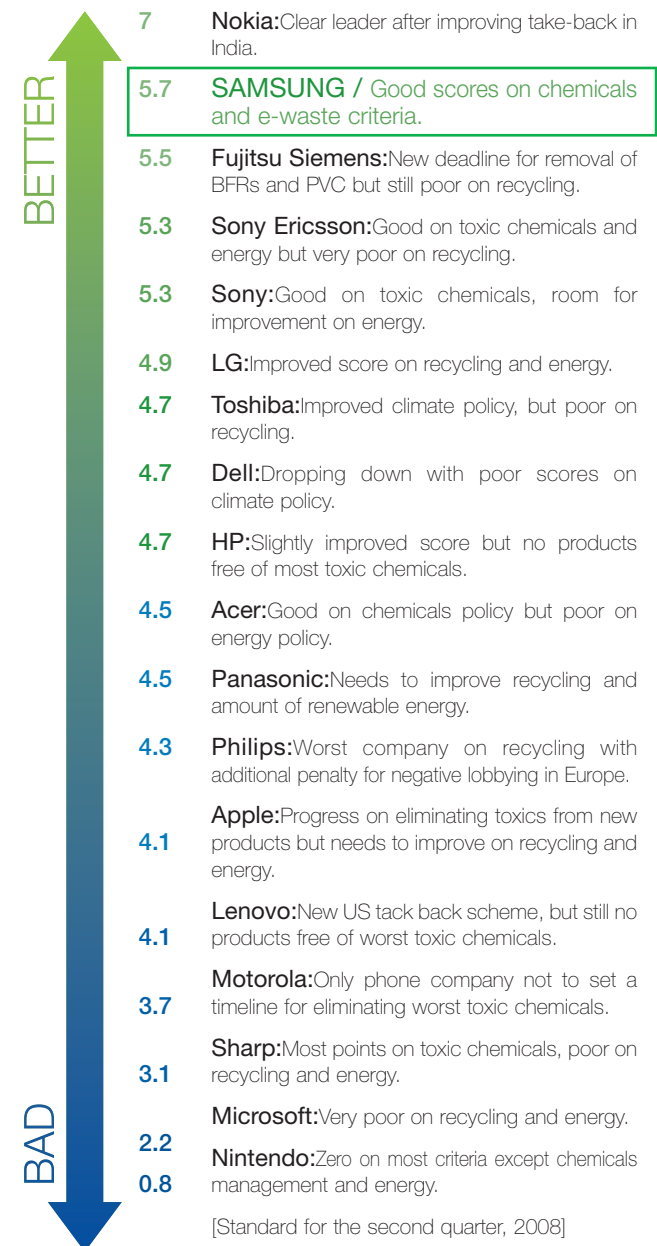
# 2009 SAMSUNG DVM AIR CONDITIONER



# Thinking of You.

"A global leader is not only responsible for that which lies within its walls but also for that which lies beyond them."

Making industry-leading products is only part of the big picture. Our commitment to creating a better world for future generations is equally as important. We strongly believe that if future generations aren't given the opportunity to succeed, we definitely won't. As a corporate citizen, we have dedicated ourselves to nurturing our local communities through corporate social responsibility and co-prosperity initiatives. Samsung has also remained steadfast when it comes to supporting education initiatives, helping to preserve the "greening" of the planet where you live.



## Reported by Greenpeace

Samsung comes in second place with 5.7, scoring well on chemicals and waste criteria. Samsung's score on e-waste is helped by getting top marks for reporting recycling rates of 137% for TVs (based on past sales 10 years ago, the average life span, since when Samsung's TV sales have increased 10-fold), 12% for PCs (based on 7 year lifespan) and 9% for mobile phones (based on 2 year lifespan). It also scores well on its use of recycled plastic, which is 16.1%, though only 0.2% is post-consumer plastic, with a goal to increase to 25% by 2008.

## Eco-labels & Declaration

Samsung Electronics makes an effort to develop environment-friendly products that minimize the negative impacts on the environment in every aspect of its products, from raw material procurement, production, transportation, usage, and final disposal. Concerns for the environment are at the core of each product development. Samsung's environment-friendly technologies and recycling programs have received global approval, receiving well-known awards and recognitions worldwide.



## Four Seasons of Hope

Samsung's Four Seasons of Hope is about kids. It's about using the power of our brand to give something back to the communities we serve.

Samsung's Four Seasons of Hope supports community-based foundations and charities headed by some of this country's favorite sports legends. Samsung pledges to raise national awareness and funds for these outstanding charities and to identify how others can also make a difference in the lives of these children and families.



## Samsung Recycling Direct<sup>SM</sup>

All good things come to an end. Let's make sure it's a Green end.

As technology continually evolves, so will your digital lifestyle. When you upgrade your consumer electronics, you will need to recycle your old products responsibly. That's why we're proud to reaffirm our commitment and responsibility to recycle Direct<sup>SM</sup> using the new Samsung Recycling program launched on October 1st, 2008.



# 'Eco-friendly' - Samsung

## Preserves the nature you live in.

Thinking of you and the environment, Samsung plans for the future. Realizing your hopes for a greener, healthier life for you and the generations that follow, Samsung's environmentally friendly technologies work to make the world a more beautiful place.

## Air & Water Conservation



As a leading innovator of environment-friendly products and technologies, Samsung products already drastically reduce the strains on nature's valuable resources. Samsung uses R-600, a natural refrigerant, and cyclopentane insulation in its refrigerators, which do not promote global warming and does not add to the greenhouse effect. Samsung's water-efficient washing machines also use less detergent and water without affecting cleanliness, helping to conserve water.

## Use Less, Save More



Samsung products are energy efficient, receiving Energy Grade A+ in the EU and ENERGY STAR in the U.S. Samsung washers with its ceramic heaters use less power, which saves you energy, money, and time. This energy-efficient technology protects you and nature, giving you a greener lifestyle.

## Global Recycling



Samsung Electronics is making significant efforts to save the environment and complies with the WEEE (Waste Electrical and Electronic Equipment) directive by joining or establishing the recycling schemes for each country.

## Samsung Eco-Friendly System Air Conditioner



Making continuous efforts to stay eco-friendly, Samsung's air conditioners use R-410A, an environmentally friendly refrigerant to help rid the air of pollutants and restrain the use of materials with high global warming potential (GWP). Most Samsung products have received Energy Grade A+ in the EU and ENERGY STAR in the U.S. These energy-efficient air conditioners not only save you money, but help conserve the environment.



## iF Product Design Award 2009

As one of the world's oldest & prestigious design competitions, the iF product design award can look back on a rich and long tradition. This seal of fine design quality, has stood for qualitatively outstanding design awards for over 50 years. And Samsung's air conditioner with its design innovations has won the iF product design award for the year 2009.

Samsung air conditioner continues to receive world-wide recognition and awards, proving high quality of the function and beauty to value and satisfy customers' requirements.



## Comfort & Design Award 2008

Organized by Fiera Milano International, the Comfort & Design Award plays the role of intermediary between the Jury and companies participating in the 36th Mostra Convegno Expocomfort / Expobagno. The MCE / EXPOBAGNO 2008 aimed to reward the best product that shows a high level of environmental quality, providing a complete overview of the sector along the lines of "Comfort & Living Technology".

And Samsung air conditioner won the prize conferring a valid and professional recognition on the best products in the ceremony .




Above awards were granted to Samsung's MB air Conditioner

# Line- Up | Outdoor Units

## DVM PLUS III / DVM PLUS III HR





### Basic Model

Line up	DVM PLUS III	RVXVHT080GE	RVXVHT100GE	RVXVHT120GE	RVXVHT140GE
	DVM PLUS III HR	RVXVRT080GE	RVXVRT100GE	RVXVRT120GE	RVXVRT140GE
High Efficiency Combination					
		8HP	10HP	12HP	14HP






Line up	DVM PLUS III	RVXVHT080GE	RVXVHT100GE	RVXVHT120GE	RVXVHT140GE	RVXVHT160GE
	DVM PLUS III HR	RVXVRT080GE	RVXVRT100GE	RVXVRT120GE	RVXVRT140GE	RVXVRT160GE
Compact Combination						
		8HP	10HP	12HP	14HP	16HP

### Combination Table

#### High Efficiency Combination

Model	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56
 RVXVHT080GE RVXVRT080GE	2	1			3	2	1														
 RVXVHT100GE RVXVRT100GE		1	2	1		1	2	3	2	2	1	1			3	2	2	1			
 RVXVHT120GE RVXVRT120GE				1					1		1		1			1		1	2	1	
 RVXVHT140GE RVXVRT140GE										1	1	2	2	3	1	1	2	2	2	3	4

#### Compact Combination



















































Model	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
 RVXVHT080GE RVXVRT080GE	1																							
 RVXVHT100GE RVXVRT100GE	1	2	1	1				1										1	1	1				
 RVXVHT120GE RVXVRT120GE			1		1			2	3	2	2	1				3	3	1			1			
 RVXVHT140GE RVXVRT140GE				1	1	2	1			1		1	2	1		1			1			1		
 RVXVHT160GE RVXVRT160GE							1	2			1	1	1	2	3		1	2	2	3	3	3	4	

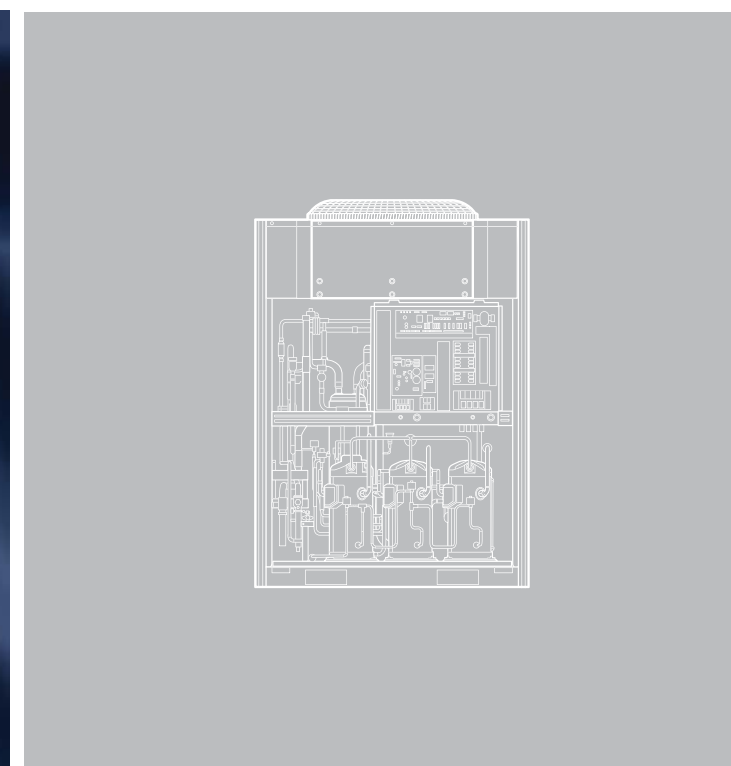
## Mini DVM

4HP	5HP	6HP
		



# Line- Up | Indoor Units

Capacity		7K Btu/h 2.2 kW	9K Btu/h 2.8 kW	12K Btu/h 3.6 kW	15K Btu/h 4.5 kW	18K Btu/h 5.6 kW	21K Btu/h 6.0 kW	24K Btu/h 7.1 kW	30K Btu/h 9.0 kW	36K Btu/h 11.2 kW	44K Btu/h 12.8 kW	48K Btu/h 14.0 kW
Type												
Wall-mounted Type	MB											
	Vivace											
	Neo Forte											
Cassette Type	Slim 1Way											
	2Way Cassette											
	Mini 4Way Cassette											
	4Way Cassette											
Duct Type	Slim Duct											
	M.S.P Duct											
Floor & Convertible Type	Console											
	Ceiling											



# Perfect technology for perfect air

## MAIN TECHNOLOGY

Samsung's leading technology from innovative thinking has brought another masterpiece of system air conditioners. World's best efficiency with the even more stable performance creates the perfect environment.

### 14 | MAIN TECHNOLOGY

16 | Overview

17 | Digital Hybrid System

18 | Heat Exchanger and New G-fin



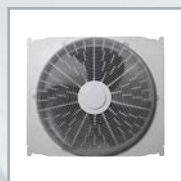
# Main Technology

## Overview

DVM Plus III System Air Conditioner has a number of key technologies that improves performance. Here are the main technologies which create the perfect cooling and heating atmosphere.

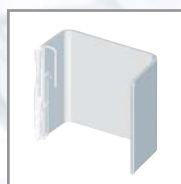
### Fan Guard

Optimized fan guard design enhanced air flow volume which achieved the high heat transfer performance without increased noise.



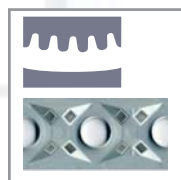
### Φ8 Heat Exchanger

Highly efficient Φ8 Grooved tube has been applied to reduce pressure loss while increasing heat transfer performance to improve COP.



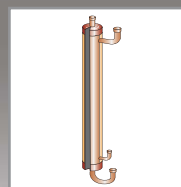
### New G-Fin

High efficiency new G-fin improved heat transfer performance and reinforce corrosion resistance.



### Turbo Intercooler

Turbo intercooler(Shell and Tube Type) improves cooling and heating COP and secure reliability on long piping installation.



### DVI Compressor

DVI (Digital Vapor Injection) compressor injects optimized mid-range pressure refrigerant to improve cooling and heating performance and efficiency.



## Digital Hybrid System

DHS (Digital Hybrid System) is a brand new concept system composed of DVI compressor, vapor injection technology and turbo intercooler. These 3 factors together provide highly efficient performance.



### DVI Compressor

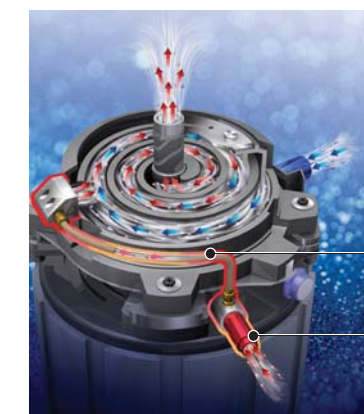
Efficient and reliable DVI Compressor coupled with Vapor Injection technology has been applied to improve cooling and heating performance and energy efficiency.



### Vapor Injection Technology

Improved cooling and heating performance and COP by a new technology of two stage compression. This technology achieved the high heating performance and COP under the lowest temperature, which leads the industry.

- Increase refrigerant flow rates with a new Vapor Injection technology.
- Improved Sub-cooling necessary for long piping runs while increasing cooling and heating performance and COP.



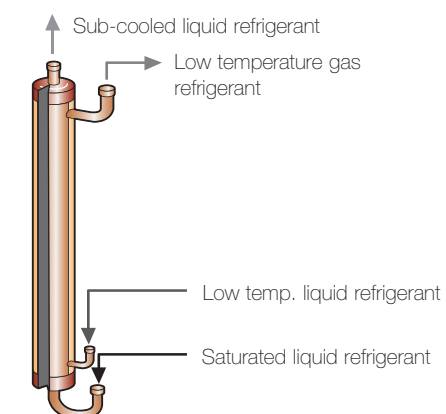
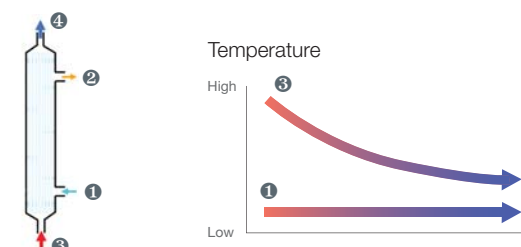
Vapor Injection Tube

Vapor Injection Port

### Turbo Intercooler

Turbo intercooler (Shell & Tube Type) improved cooling and heating COP, to secure reliability on long piping installation.

- Improve COP with the application of Turbo intercooler.
- Adequate sub-cooling to ensure reliable operation on installations with long piping (200m).



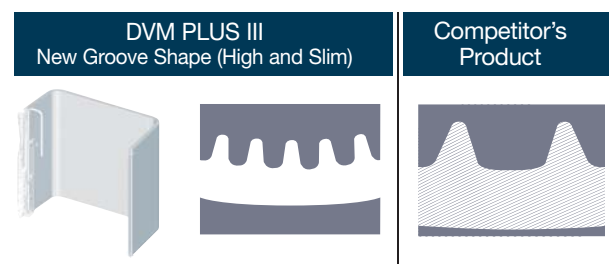
# Main Technology

## Ø8 Heat Exchanger and New G-fin

### High Efficiency Ø8 Heat Exchanger

Efficient Ø8 Grooved tube reduced pressure loss while increasing heat exchange rates to improve COP.

- Groove shape is designed to be high and slim to increase heat transfer performance inside the tube.

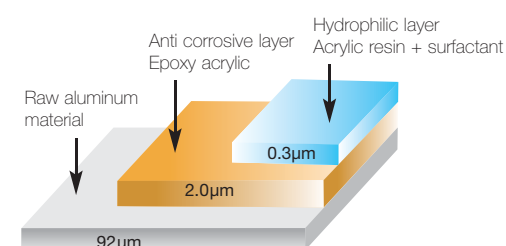
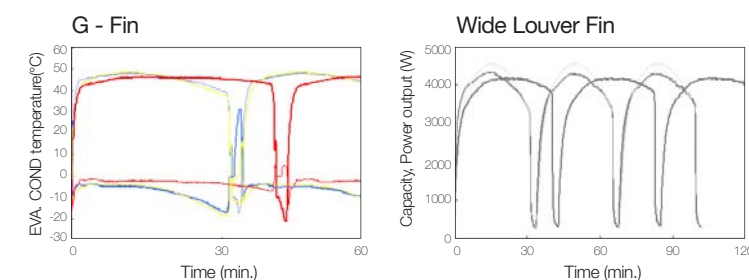
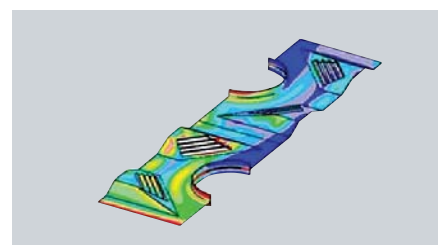
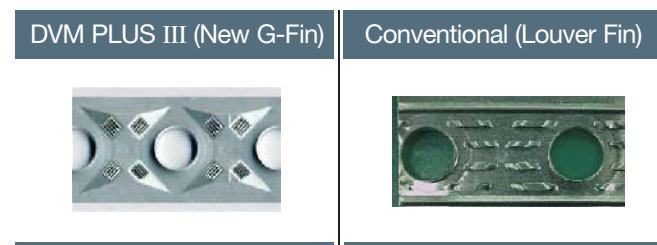


Item	Improved Heat Exchanger
Diameter	Ø7 → Ø8
Heat transfer surface area	19% ↑
Pressure loss in heat exchanger	Evaporation 14.1% ↓ Condensation 10.3% ↓
Internal heat transfer performance	30.8% ↑
Pressure resistance	same

### New G - Fin

Highly efficient new G-Fin increases heat transfer performance, reinforced corrosion resistance, and increased operating duration in frost condition.

- Heat transfer performance improved by 13% compared to the conventional fin, even with the equivalent pressure loss.
- Epoxy Acrylic Coating reinforced corrosion resistance.
- Heating operation time is 1.4 times longer in frost condition due to new G-Fin.

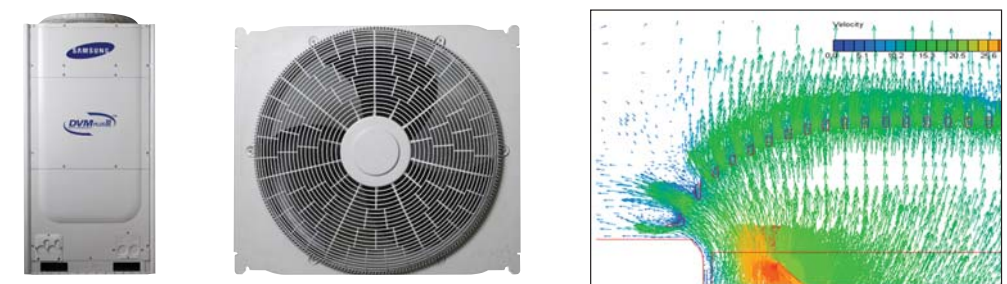


### Newly Designed Fan Guard

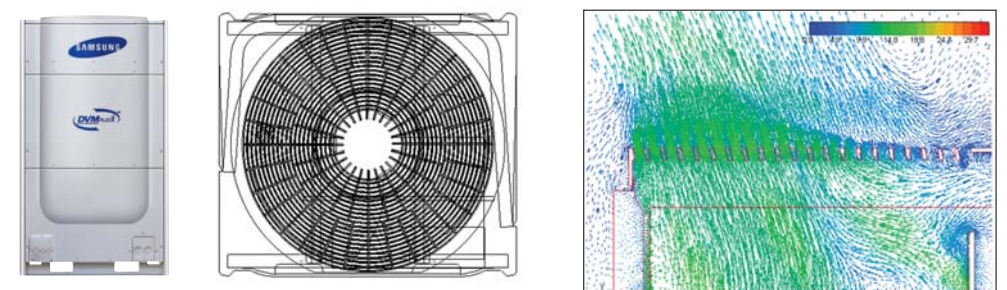
Fan Guard has been optimized to improve air volume and reduce noise and vibration.

- BLDC Motor, which is 2.7% more efficient than the competitors, has been applied.
- Applied high static pressure propeller fan and the optimum Bell Mouth form for high external static pressure. (External static pressure: 8mmAq)

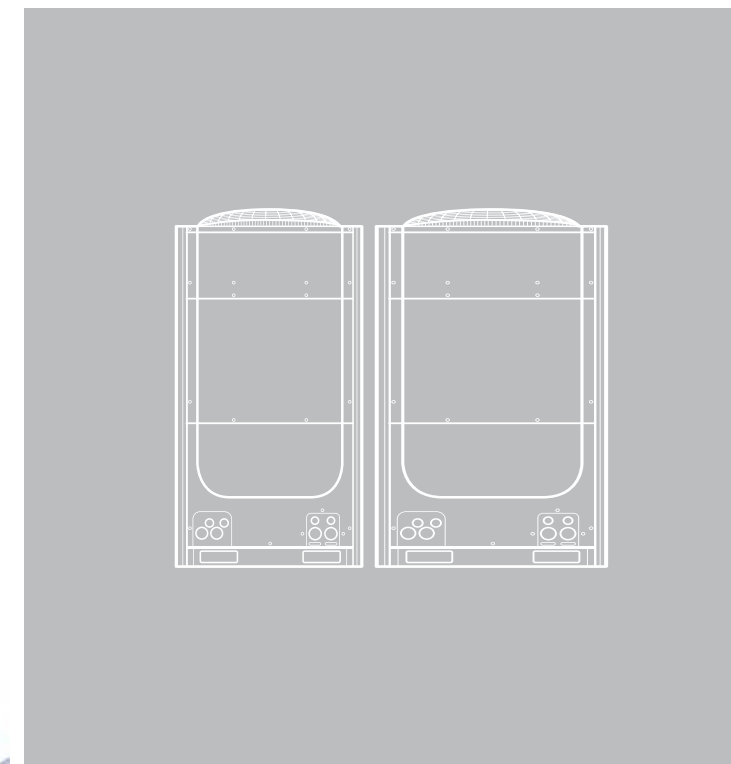
#### DVM PLUS III



#### Conventional Model







## Efficiently provide the perfect air

### OUTDOOR UNITS

For commercial places and high buildings, no matter how high or how large, DVM Plus III will be the perfect fit for any type of space. The world's largest capacity, longest piping length and the highest efficiency rate, DVM Plus III will be perfect fit for any type of space.

### 20 | OUTDOOR UNITS

22 | DVM PLUS III/HR

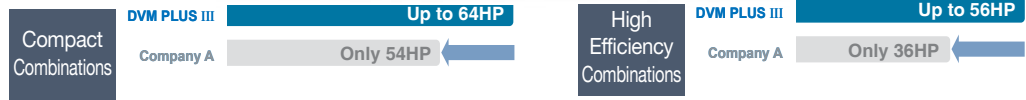
46 | Mini DVM

# DVM PLUS III / DVM PLUS III HR

DVM Plus III outdoor units have world's largest capacity with the highest efficient cooling and heating performance. Every single DVM PLUS III HR outdoor unit can operate simultaneously in cooling and heating mode.



## Comparison to Inverter III








## Line-Up



### Model

Line up	DVM PLUS III	RVXVHT080GE	RVXVHT100GE	RVXVHT120GE	RVXVHT140GE
	DVM PLUS III HR	RVXVRT080GE	RVXVRT100GE	RVXVRT120GE	RVXVRT140GE
High Efficiency Combination					
					
		8HP	10HP	12HP	14HP






Line up	DVM PLUS III	RVXVHT080GE	RVXVHT100GE	RVXVHT120GE	RVXVHT140GE	RVXVHT160GE
	DVM PLUS III HR	RVXVRT080GE	RVXVRT100GE	RVXVRT120GE	RVXVRT140GE	RVXVRT160GE
Compact Combination						
						
		8HP	10HP	12HP	14HP	16HP

## Combination Table

### High Efficiency Combination

Model	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56
 RVXVHT080GE RVXVRT080GE	2	1			3	2	1														
 RVXVHT100GE RVXVRT100GE		1	2	1		1	2	3	2	2	1	1			3	2	2	1			
 RVXVHT120GE RVXVRT120GE				1					1		1		1			1		1	2	1	
 RVXVHT140GE RVXVRT140GE										1	1	2	2	3	1	1	2	2	2	3	4

### Compact Combination

Model	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
 RVXVHT080GE RVXVRT080GE	1																							
 RVXVHT100GE RVXVRT100GE	1	2	1	1					1										1	1	1			
 RVXVHT120GE RVXVRT120GE			1		1				2	3	2	2	1				3	3	1			1		
 RVXVHT140GE RVXVRT140GE				1	1	2	1			1		1	2	1		1			1			1		
 RVXVHT160GE RVXVRT160GE							1	2				1	1	1	2	3		1	2	2	3	3	3	4

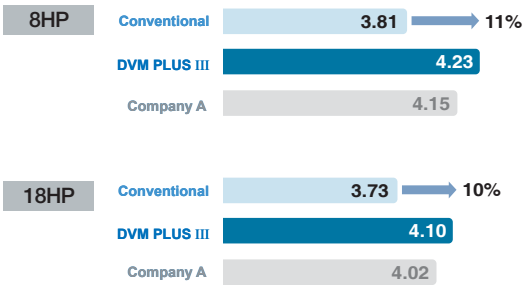


# Feature

## High COP

High efficiency DVM PLUS III has improved average cooling and heating COP compared to conventional products and achieved the world's Top Class energy efficiency

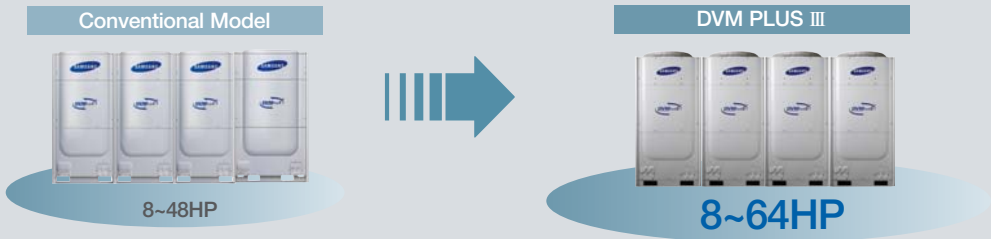
- DHS(Digital Hybrid System) technology increased refrigerant flow rate and evaporation enthalpy difference.
- Wide  $\phi 8$  Grooved pipe and G-Fin increased heat exchange efficiency.
- The best BLDC Motor in the industry and Optimum Fan Guard design increased efficiency.



## The World's Largest Capacity

Samsung has achieved world's largest capacity of 64HP by combining maximum 4 outdoor units with 5 different capacities. (8, 10, 12, 14 and 16HP)  
Many combinations of heat pump or heat recovery type support up to 64 indoor units to provide consumers a variety of choices for any installation condition.

- Compact combinations (8~64 HP) : Combination with the model requiring the smallest installation space.
- High-Efficiency combinations (16~56 HP) : Combination with high-efficiency model.

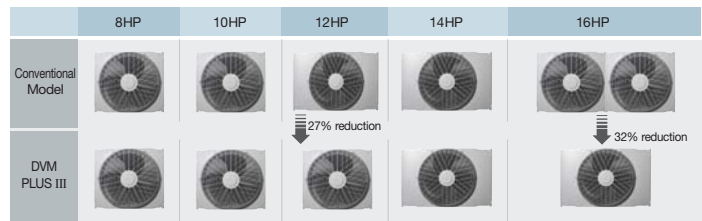
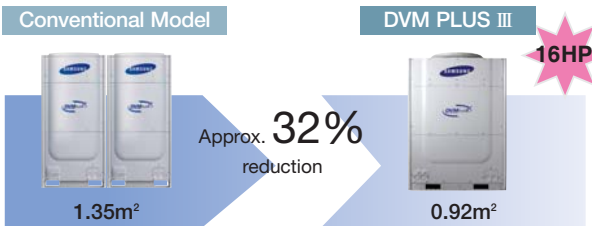


## The Smallest Foot Print Area

The world's smallest foot print provides smallest installation space which saves incredible amount of time.

### Space Saving

Model	12HP	16HP
Conventional Model	0.92m <sup>2</sup>	1.35m <sup>2</sup>
DVM PLUS III	0.67m <sup>2</sup>	0.92m <sup>2</sup>
Comparison to Conventional Model	73%	68%



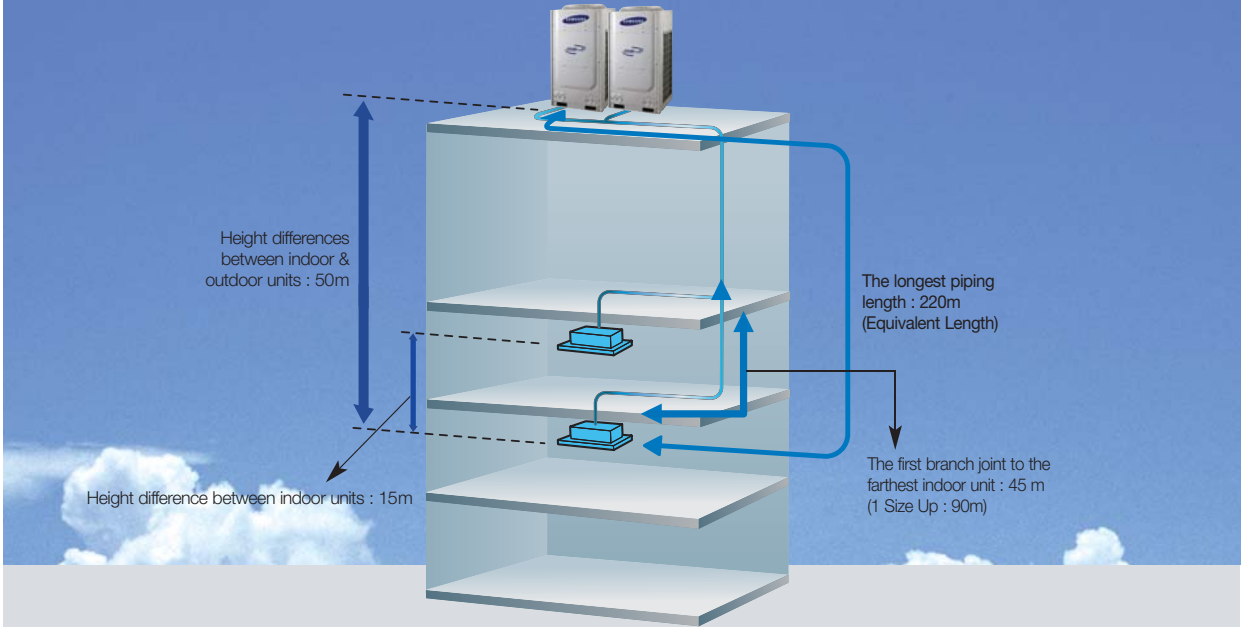
## Digital Unit Module

Digital Unit Module combination enables the system to alternate compressor operation to prolong each compressor's life cycle and improves COP with part loads

- Control the compressor capacity precisely.
- Ensure long life cycle by alternating operation of the DVI compressors.
- Improve COP using multiple heat exchangers of outdoor units at part loads.



## The World's Longest Piping Length



DVM PLUS III has an actual piping length up to 200m, with the maximum piping length of 45m from the first branch joint to farthest indoor unit, thereby providing more convenience and flexibility for installation in commercial buildings.

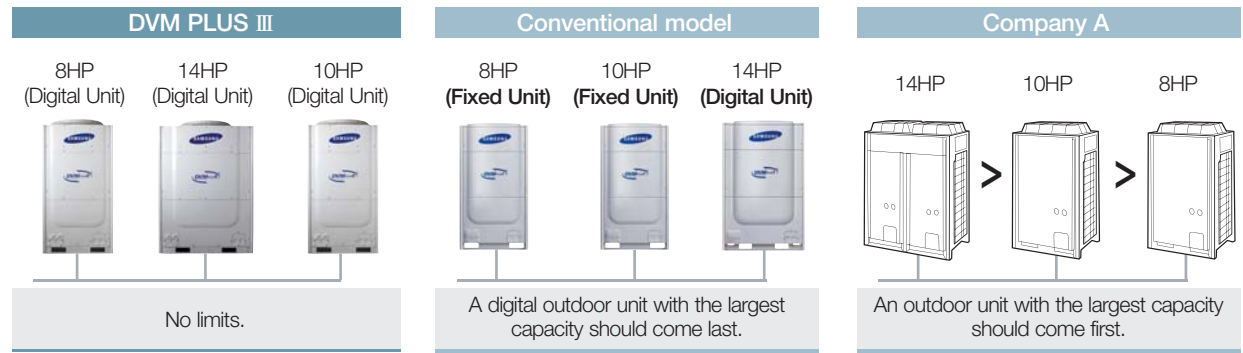
### Summary

- The longest piping length : 220m (Equivalent Length)
- Total piping length: 1000m
- From the first branch joint to the farthest indoor unit : 90m (with one piping Size Up)

# Feature

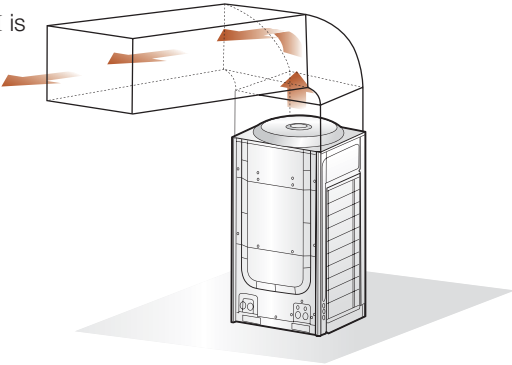
## Free Installation

DVM Plus III/HR provides the degree of freedom from priority of capacity when installing outdoor units in module.



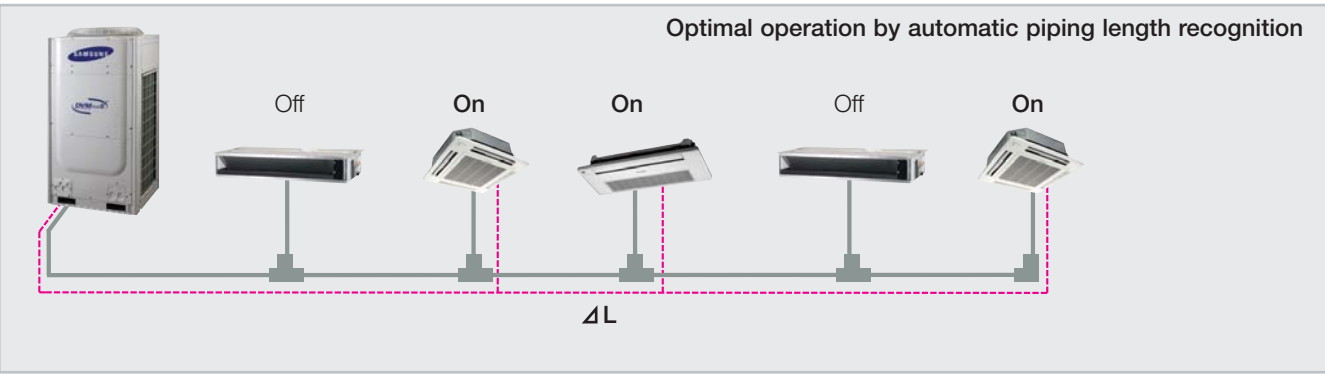
## External Static Pressure

To respond to a range of various installation environments, DVM PLUS III is designed to be used up to an external static pressure of 8 mmAq.



## Automatic Piping Length Recognition

Auto piping length recognition system saves time with no additional settings and performs the optimum operation in accordance with piping length.



## Lead-Free and RoHs

### Refrigerant Leakage Prevention

To prevent refrigerant leakage, we provide a solution to diagnose any refrigerant leakage during product operation. Also, changing service valves from flange type to brazed type further prevents refrigerant leakage.



### RoHs Compliance

Although RoHS restriction only applies to small and large household electronics, IT equipment, lightings, power train, toys, leisure and sports equipment, and vending machines. Samsung expands the RoHS restriction into its entire range of products based on its own environmental policies.

### Lead-Free

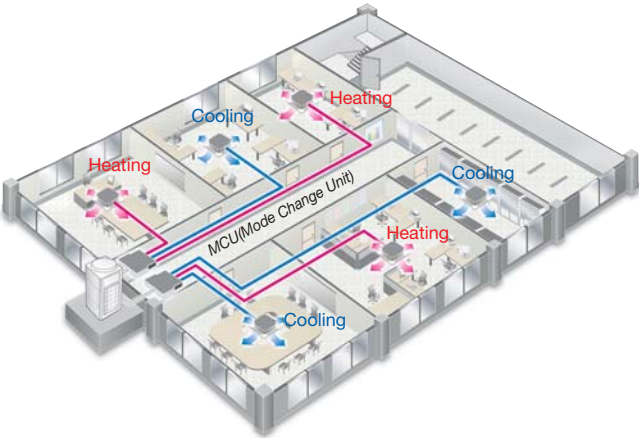
DVM Plus III is an eco-friendly product that prevents pollution problems caused by the use of lead, by applying lead-free indoor and outdoor PCBs.



## DVM PLUS III HR Versatile Application

As DVM PLUS III HR allows a simultaneous cooling and heating operation with one system, there is variety of applications.

- Great for places where simultaneous cooling and heating operation is required. (Hotels, nursing homes, conference rooms, etc.)
- For seasonal air-conditioning which may need a simultaneous cooling and heating operation.
- In case of medium and large office, DVM PLUS III HR satisfies cooling and heating operation simultaneously for the requirements of interior and perimeter zone.





Specification |

DVM PLUS III / DVM PLUS III HR

Basic Model



Model			DVM PLUS Ⅲ DVM PLUS Ⅲ HR	RVXVHT080GE RVXVRT080GE	RVXVHT100GE RVXVRT100GE	RVXVHT120GE RVXVRT120GE
Performance	Horse Power		HP	8	10	12
	Capacity	Cooling <sup>*1)</sup>	kW	22.4	28.0	33.6
			Btu/h	76,400	95,500	114,600
		Heating <sup>*2)</sup>	kW	25.2	31.5	37.8
			Btu/h	86,000	107,500	129,000
Power	Nominal Input	Cooling	kW	5.76	7.78	10.40
		Heating	kW	5.51	7.16	9.40
	Circuit Breaker (MCCB/ELB)		A	25	30	40
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50	3/380~415/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.89	3.60	3.23
	Heating		-	4.57	4.40	4.02
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping Connections	Liquid		Ø,mm	9.52	9.52	12.70
	Gas		Ø,mm	19.05	22.23	25.40
	Discharge Gas (DVM PLUS Ⅲ HR)		Ø,mm	15.88	19.05	22.23
	Oil (Flare)		Ø,mm	-	-	-
	Installation Limitation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5	7.5	7.5
Sound	Sound Pressure <sup>*4)</sup>		dB(A)	57	58	60
Set Size	Net Weight	DVM PLUS Ⅲ	kg	240	240	240
		DVM PLUS Ⅲ HR	kg	242	242	242
	Shipping Weight	DVM PLUS Ⅲ	kg	253	253	253
		DVM PLUS Ⅲ HR	kg	255	255	255
	Net Dimensions (WxHxD)		mm	880x1,703x765	880x1,703x765	880x1,703x765
	Shipping Dimensions (WxHxD)		mm	948x1,868x832	948x1,868x832	948x1,868x832
Operating Temp. Range	Cooling		℃	-5~43	-5~43	-5~43
	Heating		℃	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.






Model			DVM PLUS Ⅲ DVM PLUS Ⅲ HR	RVXVHT140GE RVXVRT140GE	RVXVHT160GE RVXVRT160GE
Performance	Horse Power		HP	14	16
	Capacity	Cooling * <sup>1)</sup>	kW	39.2	44.8
			Btu/h	133,800	152,900
		Heating * <sup>2)</sup>	kW	44.1	50.4
			Btu/h	150,500	172,000
Power	Nominal Input	Cooling	kW	11.00	14.80
		Heating	kW	10.40	15.00
	Circuit Breaker (MCCB/ELB)		A	40	50
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50
Mode * <sup>3)</sup>			-	HP/HR	HP/HR
COP	Cooling		-	3.56	3.03
	Heating		-	4.24	3.36
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC
Piping Connections	Liquid		Ø,mm	12.70	12.70
	Gas		Ø,mm	25.40	28.58
	Discharge Gas (DVM PLUS Ⅲ HR)		Ø,mm	22.23	22.23
	Oil (Flare)		Ø,mm	-	-
	Installation Limitation	Max.Length	m	200	200
		Max.Height	m	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A
	Factory Charging		kg	11.0	11.0
Sound	Sound Pressure * <sup>4)</sup>		dB(A)	60	60
Set Size	Net Weight	DVM PLUS Ⅲ	kg	320	320
		DVM PLUS Ⅲ HR	kg	323	323
	Shipping Weight	DVM PLUS Ⅲ	kg	337	337
		DVM PLUS Ⅲ HR	kg	340	340
	Net Dimensions (WxHxD)		mm	1,200x1,703x765	1,200x1,703x765
	Shipping Dimensions (WxHxD)		mm	1,268x1,868x832	1,268x1,868x832
Operating Temp. Range	Cooling		℃	-5~43	-5~43
	Heating		℃	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.




Specification | DVM PLUS III / DVM PLUS III HR

Module Type - High Efficiency

Module Type - High Efficiency						
Model				16HP	18HP	20HP
Basic	RVXVHT080GE / RVXVRT080GE			2	1	
	RVXVHT100GE / RVXVRT100GE				1	2
	RVXVHT120GE / RVXVRT120GE					
	RVXVHT140GE / RVXVRT140GE					
Performance	Horse Power		HP	16	18	20
	Capacity	Cooling <sup>*1)</sup>	kW	44.8	50.4	56.0
			Btu/h	152,800	171,900	191,000
		Heating <sup>*2)</sup>	kW	50.4	56.7	63.0
Btu/h			172,000	193,500	215,000	
Power	Nominal Input	Cooling	kW	11.52	13.54	15.56
		Heating	kW	11.02	12.67	14.32
	Circuit Breaker (MCCB/ELB)		A	50	50	60
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50	3/380~415/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.89	3.72	3.60
	Heating		-	4.57	4.48	4.40
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping Connections	Liquid		Ø,mm	12.70	15.88	15.88
	Gas		Ø,mm	28.58	28.58	28.58
	Discharge Gas (DVM PLUS III HR)		Ø,mm	22.23	25.40	25.40
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation Limitation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5x2	7.5x2	7.5x2
Sound	Sound Pressure <sup>*4)</sup>		dB(A)	60	60	61
Set Size	Net Weight	DVM PLUS III	kg	240x2	240x2	240x2
		DVM PLUS III HR	kg	242x2	242x2	242x2
	Shipping Weight	DVM PLUS III	kg	253x2	253x2	253x2
		DVM PLUS III HR	kg	255x2	255x2	255x2
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x2	(880x1,703x765)x2	(880x1,703x765)x2
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x2	(948x1,868x832)x2	(948x1,868x832)x2
Operating Temp. Range	Cooling		°C	-5~43	-5~43	-5~43
	Heating		°C	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

						
Model				22HP	24HP	26HP
Basic	RVXVHT080GE / RVXVRT080GE				3	2
	RVXVHT100GE / RVXVRT100GE			1		1
	RVXVHT120GE / RVXVRT120GE			1		
	RVXVHT140GE / RVXVRT140GE					
Performance	Horse Power		HP	22	24	26
	Capacity	Cooling <sup>*1)</sup>	kW	61.6	67.2	72.8
			Btu/h	210,100	229,200	248,300
		Heating <sup>*2)</sup>	kW	69.3	75.6	81.9
Btu/h			236,500	258,000	279,500	
Power	Nominal Input	Cooling	kW	18.18	17.28	19.30
		Heating	kW	16.56	16.53	18.18
	Circuit Breaker (MCCB/ELB)		A	60	75	75
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50	3/380~415/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.39	3.89	3.77
	Heating		-	4.18	4.57	4.50
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping Connections	Liquid		Ø,mm	15.88	15.88	19.05
	Gas		Ø,mm	28.58	28.58	31.75
	Discharge Gas (DVM PLUS III HR)		Ø,mm	25.40	25.40	28.58
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation Limitation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5x2	7.5x3	7.5x3
Sound	Sound Pressure <sup>*4)</sup>		dB(A)	62	62	63
Set Size	Net Weight	DVM PLUS III	kg	240x2	240x3	240x3
		DVM PLUS III HR	kg	242x2	242x3	242x3
	Shipping Weight	DVM PLUS III	kg	253x2	253x3	253x3
		DVM PLUS III HR	kg	255x2	255x3	255x3
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x2	(880x1,703x765)x3	(880x1,703x765)x3
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x2	(948x1,868x832)x3	(948x1,868x832)x3
Operating Temp. Range	Cooling		°C	-5~43	-5~43	-5~43
	Heating		°C	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



Specification |

DVM PLUS III / DVM PLUS III HR

Module Type - High Efficiency



Model				28HP	30HP	32HP
Basic	RVXVHT080GE / RVXVRT080GE			1		
	RVXVHT100GE / RVXVRT100GE			2	3	2
	RVXVHT120GE / RVXVRT120GE					1
	RVXVHT140GE / RVXVRT140GE					
Performance	Horse Power		HP	28	30	32
	Capacity	Cooling * <sup>1)</sup>	kW	78.4	84.0	89.6
			Btu/h	267,400	286,500	305,600
		Heating * <sup>2)</sup>	kW	88.2	94.5	100.8
			Btu/h	301,000	322,500	344,000
Power	Nominal Input	Cooling	kW	21.32	23.34	25.96
		Heating	kW	19.83	21.48	23.72
	Circuit Breaker (MCCB/ELB)		A	75	100	100
	Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50
Mode * <sup>3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.68	3.60	3.45
	Heating		-	4.45	4.40	4.25
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping Connections	Liquid		Ø,mm	19.05	19.05	19.05
	Gas		Ø,mm	31.75	31.75	31.75
	Discharge Gas (DVM PLUS Ⅲ HR)		Ø,mm	28.58	28.58	28.58
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation Limitation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5x3	7.5x3	7.5x3
Sound	Sound Pressure * <sup>4)</sup>		dB(A)	63	63	64
Set Size	Net Weight	DVM PLUS Ⅲ	kg	240x3	240x3	240x3
		DVM PLUS Ⅲ HR	kg	242x3	242x3	242x3
	Shipping Weight	DVM PLUS Ⅲ	kg	253x3	253x3	253x3
		DVM PLUS Ⅲ HR	kg	255x3	255x3	255x3
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x3	(880x1,703x765)x3	(880x1,703x765)x3
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x3	(948x1,868x832)x3	(948x1,868x832)x3
Operating Temp. Range	Cooling		℃	-5~43	-5~43	-5~43
	Heating		℃	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB,  
Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB,  
Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



Model				34HP	36HP	38HP
Basic	RVXVHT080GE / RVXVRT080GE					
	RVXVHT100GE / RVXVRT100GE			2	1	1
	RVXVHT120GE / RVXVRT120GE				1	
	RVXVHT140GE / RVXVRT140GE			1	1	2
Performance	Horse Power		HP	34	36	38
	Capacity	Cooling <sup>*1)</sup>	kW	95.2	100.8	106.4
			Btu/h	324,800	343,900	363,100
		Heating <sup>*2)</sup>	kW	107.1	113.4	119.7
Btu/h			365,500	387,000	408,500	
Power	Nominal Input	Cooling	kW	26.56	29.18	29.78
		Heating	kW	24.72	26.96	27.96
	Circuit Breaker (MCCB/ELB)		A	100	100	100
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50	103/380~415/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.58	3.45	3.57
	Heating		-	4.33	4.21	4.28
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping Connections	Liquid		Ø,mm	19.05	19.05	19.05
	Gas		Ø,mm	31.75	38.10	38.10
	Discharge Gas (DVM PLUS III HR)		Ø,mm	28.58	31.75	31.75
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation Limitation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5x2+11x1	7.5x2+11x1	7.5x1+11x2
Sound	Sound Pressure <sup>*4)</sup>		dB(A)	64	64	64
Set Size	Net Weight	DVM PLUS III	kg	240x2+320x1	240x2+320x1	240x1+320x2
		DVM PLUS III HR	kg	242x2+323x1	242x2+323x1	242x1+323x2
	Shipping Weight	DVM PLUS III	kg	253x2+337x1	253x2+337x1	253x1+337x2
		DVM PLUS III HR	kg	255x2+340x1	255x2+340x1	255x1+340x2
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x2+(1,200x1,703x765)x1	(880x1,703x765)x2+(1,200x1,703x765)x1	(880x1,703x765)x1+(1,200x1,703x765)x2
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x2+(1,268x1,868x832)x1	(948x1,868x832)x2+(1,268x1,868x832)x1	(948x1,868x832)x1+(1,268x1,868x832)x2
Operating Temp. Range	Cooling		°C	-5~43	-5~43	-5~43
	Heating		°C	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB,  
Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB,  
Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

# Specification | DVM PLUS III / DVM PLUS III HR

## Module Type - High Efficiency



Model				40HP	42HP	44HP
Basic	RVXVHT080GE / RVXVRT080GE					
	RVXVHT100GE / RVXVRT100GE					3
	RVXVHT120GE / RVXVRT120GE			1		
	RVXVHT140GE / RVXVRT140GE			2	3	1
Performance	Horse Power		HP	40	42	44
	Capacity	Cooling * <sup>1)</sup>	kW	112.0	117.6	123.2
			Btu/h	382,200	401,400	420,300
		Heating * <sup>2)</sup>	kW	126.0	132.3	138.6
			Btu/h	430,000	451,500	473,000
Power	Nominal Input	Cooling	kW	32.40	33.00	34.34
		Heating	kW	30.20	31.20	31.88
	Circuit Breaker (MCCB/ELB)		A	125	125	125
	Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50
Mode * <sup>3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.46	3.56	3.59
	Heating		-	4.17	4.24	4.35
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping Connections	Liquid		Ø,mm	19.05	19.05	19.05
	Gas		Ø,mm	38.10	38.10	38.10
	Discharge Gas (DVM PLUS III HR)		Ø,mm	31.75	31.75	31.75
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation Limitation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5x1+11x2	11x3	7.5x3+11x1
Sound	Sound Pressure * <sup>4)</sup>		dB(A)	65	65	65
Set Size	Net Weight	DVM PLUS III	kg	240x1+320x2	320x3	240x3+320x1
		DVM PLUS III HR	kg	242x1+323x2	323x3	242x3+323x1
	Shipping Weight	DVM PLUS III	kg	253x1+337x2	337x3	253x3+337x1
		DVM PLUS III HR	kg	255x1+340x2	340x3	255x3+340x1
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x1+(1,200x1,703x765)x2	(1,200x1,703x765)x3	(880x1,703x765)x3+(1,200x1,703x765)x1
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x1+(1,268x1,868x832)x2	(1,268x1,868x832)x3	(948x1,868x832)x3+(1,268x1,868x832)x1
Operating Temp. Range	Cooling		°C	-5~43	-5~43	-5~43
	Heating		°C	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



Model				46HP	48HP	50HP
Basic	RVXVHT080GE / RVXVRT080GE					
	RVXVHT100GE / RVXVRT100GE			2	2	1
	RVXVHT120GE / RVXVRT120GE			1		1
	RVXVHT140GE / RVXVRT140GE			1	2	2
Performance	Horse Power		HP	46	48	50
	Capacity	Cooling * <sup>1)</sup>	kW	128.8	134.4	140.0
			Btu/h	439,400	458,600	477,700
		Heating * <sup>2)</sup>	kW	144.9	151.2	157.5
Btu/h			494,500	516,000	537,500	
Power	Nominal Input	Cooling	kW	36.96	37.56	40.18
		Heating	kW	34.12	35.12	37.36
	Circuit Breaker (MCCB/ELB)		A	125	125	150
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50	3/380~415/50
Mode * <sup>3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.48	3.58	3.48
	Heating		-	4.25	4.31	4.22
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping	Liquid		Ø,mm	19.05	19.05	22.23
Connections	Gas		Ø,mm	38.10	38.10	44.50
	Discharge Gas (DVM PLUS Ⅲ HR)		Ø,mm	31.75	31.75	38.10
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5x3+11x1	7.5x2+11x2	7.5x2+11x2
Sound	Sound Pressure * <sup>4)</sup>		dB(A)	65	65	66
Set Size	Net Weight	DVM PLUS Ⅲ	kg	240x3+320x1	240x2+320x2	240x2+320x2
		DVM PLUS Ⅲ HR	kg	242x3+323x1	242x2+323x2	242x2+323x2
	Shipping Weight	DVM PLUS Ⅲ	kg	253x3+337x1	253x2+337x2	253x2+337x2
		DVM PLUS Ⅲ HR	kg	255x3+340x1	255x2+340x2	255x2+340x2
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x3+(1,200x1,703x765)x1	(880x1,703x765)x2+(1,200x1,703x765)x2	(880x1,703x765)x2+(1,200x1,703x765)x2
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x3+(1,268x1,868x832)x1	(948x1,868x832)x2+(1,268x1,868x832)x2	(948x1,868x832)x2+(1,268x1,868x832)x2
Operating Temp. Range	Cooling		℃	-5~43	-5~43	-5~43
	Heating		℃	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



# Specification | DVM PLUS III / DVM PLUS III HR

## Module Type - High Efficiency



Model				52HP	54HP	56HP
Basic	RVXVHT080GE / RVXVRT080GE					
	RVXVHT100GE / RVXVRT100GE					
	RVXVHT120GE / RVXVRT120GE			2	1	
	RVXVHT140GE / RVXVRT140GE			2	3	4
Performance	Horse Power		HP	52	54	56
	Capacity	Cooling * <sup>1)</sup>	kW	145.6	151.2	156.8
			Btu/h	496,800	516,000	535,200
		Heating * <sup>2)</sup>	kW	163.8	170.1	176.4
			Btu/h	559,000	580,500	602,000
Power	Nominal Input	Cooling	kW	42.80	43.40	44.00
		Heating	kW	39.60	40.60	41.60
	Circuit Breaker (MCCB/ELB)		A	150	150	150
	Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50
Mode * <sup>3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.40	3.48	3.56
	Heating		-	4.14	4.19	4.24
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping Connections	Liquid		Ø,mm	22.23	22.23	22.23
	Gas		Ø,mm	44.50	44.50	44.50
	Discharge Gas (DVM PLUS III HR)		Ø,mm	38.10	38.10	38.10
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation Limitation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5x2+11x2	7.5x1+11x3	11x4
Sound	Sound Pressure * <sup>4)</sup>		dB(A)	66	66	66
Set Size	Net Weight	DVM PLUS III	kg	240x2+320x2	240x1+320x3	320x4
		DVM PLUS III HR	kg	242x2+323x2	242x1+323x3	323x4
	Shipping Weight	DVM PLUS III	kg	253x2+337x2	253x1+337x3	337x4
		DVM PLUS III HR	kg	255x2+340x2	255x1+340x3	340x4
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x2+(1,200x1,703x765)x2	(880x1,703x765)x1+(1,200x1,703x765)x3	(1,200x1,703x765)x4
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x2+(1,268x1,868x832)x2	(948x1,868x832)x1+(1,268x1,868x832)x3	(1,268x1,868x832)x4
Operating Temp. Range	Cooling		°C	-5~43	-5~43	-5~43
	Heating		°C	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

## Module Type - Compact



Model				18 HP	20 HP	22 HP
Basic	RVXVHT080GE / RVXVRT080GE			1		
	RVXVHT100GE / RVXVRT100GE			1	2	1
	RVXVHT120GE / RVXVRT120GE					1
	RVXVHT140GE / RVXVRT140GE					
	RVXVHT160GE / RVXVRT160GE					
Performance	Horse Power		HP	18	20	22
	Capacity	Cooling * <sup>1)</sup>	kW	50.4	56.0	61.6
			Btu/h	171,900	191,000	210,100
		Heating * <sup>2)</sup>	kW	56.7	63.0	69.3
			Btu/h	193,500	215,000	236,500
Power	Nominal Input	Cooling	kW	13.54	15.56	18.18
		Heating	kW	12.67	14.32	16.56
	Circuit Breaker (MCCB/ELB)		A	50	60	60
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50	3/380~415/50
Mode * <sup>3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.72	3.60	3.39
	Heating		-	4.48	4.40	4.18
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping	Liquid		Ø,mm	15.88	15.88	15.88
Connections	Gas		Ø,mm	28.58	28.58	28.58
	Discharge Gas (DVM PLUS Ⅲ HR)		Ø,mm	25.40	25.40	25.40
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation Limitation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5x2	7.5x2	7.5x2
Sound	Sound Pressure * <sup>4)</sup>		dB(A)	60	61	62
Set Size	Net Weight	DVM PLUS Ⅲ	kg	240x2	240x2	240x2
		DVM PLUS Ⅲ HR	kg	242x2	242x2	242x2
	Shipping Weight	DVM PLUS Ⅲ	kg	253x2	253x2	253x2
		DVM PLUS Ⅲ HR	kg	255x2	255x2	255x2
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x2	(880x1,703x765)x2	(880x1,703x765)x2
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x2	(948x1,868x832)x2	(948x1,868x832)x2
Operating Temp. Range	Cooling		℃	-5~43	-5~43	-5~43
	Heating		℃	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

Specification |

DVM PLUS III / DVM PLUS III HR

Module Type - Compact



Model				24 HP	26 HP	28 HP
Basic	RVXVHT080GE / RVXVRT080GE					
	RVXVHT100GE / RVXVRT100GE			1		
	RVXVHT120GE / RVXVRT120GE				1	
	RVXVHT140GE / RVXVRT140GE			1	1	2
	RVXVHT160GE / RVXVRT160GE					
Performance	Horse Power		HP	24	26	28
	Capacity	Cooling * <sup>1)</sup>	kW	67.2	72.8	78.4
			Btu/h	229,300	248,400	267,600
		Heating * <sup>2)</sup>	kW	75.6	81.9	88.2
			Btu/h	258,000	279,500	301,000
Power	Nominal Input	Cooling	kW	18.78	21.40	22.00
		Heating	kW	17.56	19.80	20.80
	Circuit Breaker (MCCB/ELB)		A	75	75	75
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50	3/380~415/50
Mode * <sup>3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.58	3.40	3.56
	Heating		-	4.31	4.14	4.24
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping	Liquid		Ø,mm	15.88	19.05	19.05
Connections	Gas		Ø,mm	28.58	31.75	31.75
	Discharge Gas (DVM PLUS III HR)		Ø,mm	25.40	28.58	28.58
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5x1+11x1	7.5x1+11x1	11x2
Sound	Sound Pressure * <sup>4)</sup>		dB(A)	62	62	63
Set Size	Net Weight	DVM PLUS III	kg	240x1+320x1	240x1+320x1	320x2
		DVM PLUS III HR	kg	242x1+323x1	242x1+323x1	323x2
	Shipping Weight	DVM PLUS III	kg	253x1+337x1	253x1+337x1	337x2
		DVM PLUS III HR	kg	255x1+340x1	255x1+340x1	340x2
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x1+(1,200x1,703x765)x1	(880x1,703x765)x1+(1,200x1,703x765)x1	(1,200x1,703x765)x2
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x1+(1,268x1,868x832)x1	(948x1,868x832)x1+(1,268x1,868x832)x1	(1,268x1,868x832)x2
Operating	Cooling		°C	-5~43	-5~43	-5~43
Temp. Range	Heating		°C	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



Model				30 HP	32 HP	34 HP
Basic	RVXVHT080GE / RVXVRT080GE					
	RVXVHT100GE / RVXVRT100GE					1
	RVXVHT120GE / RVXVRT120GE					2
	RVXVHT140GE / RVXVRT140GE			1		
	RVXVHT160GE / RVXVRT160GE			1	2	
Performance	Horse Power		HP	30	32	34
	Capacity	Cooling * <sup>1)</sup>	kW	84.0	89.6	95.2
			Btu/h	286,700	305,800	324,700
		Heating * <sup>2)</sup>	kW	94.5	100.8	107.1
			Btu/h	322,500	344,000	365,500
Power	Nominal Input	Cooling	kW	25.80	29.60	28.58
		Heating	kW	25.40	30.00	25.96
	Circuit Breaker (MCCB/ELB)		A	100	100	100
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50	3/380~415/50
Mode * <sup>3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.26	3.03	3.33
	Heating		-	3.72	3.36	4.13
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping Connections	Liquid		Ø,mm	19.05	19.05	19.05
	Gas		Ø,mm	31.75	31.75	31.75
	Discharge Gas (DVM PLUS III HR)		Ø,mm	28.58	28.58	28.58
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	11x2	11x2	7.5x3
Sound	Sound Pressure * <sup>4)</sup>		dB(A)	63	63	64
Set Size	Net Weight	DVM PLUS III	kg	320x2	320x2	240x3
		DVM PLUS III HR	kg	323x2	323x2	242x3
	Shipping Weight	DVM PLUS III	kg	337x2	337x2	253x3
		DVM PLUS III HR	kg	340x2	340x2	255x3
	Net Dimensions (WxHxD)		mm	(1,200x1,703x765)x2	(1,200x1,703x765)x2	(880x1,703x765)x3
	Shipping Dimensions (WxHxD)		mm	(1,268x1,868x832)x2	(1,268x1,868x832)x2	(948x1,868x832)x3
Operating Temp. Range	Cooling		°C	-5~43	-5~43	-5~43
	Heating		°C	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



# Specification | DVM PLUS III / DVM PLUS III HR

## Module Type - Compact



Model				36 HP	38 HP	40 HP
Basic	RVXVHT080GE / RVXVRT080GE					
	RVXVHT100GE / RVXVRT100GE					
	RVXVHT120GE / RVXVRT120GE			3	2	2
	RVXVHT140GE / RVXVRT140GE				1	
	RVXVHT160GE / RVXVRT160GE					1
Performance	Horse Power		HP	36	38	40
	Capacity	Cooling * <sup>1)</sup>	kW	100.8	106.4	112.0
			Btu/h	343,800	363,000	382,100
		Heating * <sup>2)</sup>	kW	113.4	119.7	126.0
			Btu/h	387,000	408,500	430,000
Power	Nominal Input	Cooling	kW	31.20	31.80	35.60
		Heating	kW	28.20	29.20	33.80
	Circuit Breaker (MCCB/ELB)		A	100	125	125
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50	3/380~415/50
Mode * <sup>3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.23	3.35	3.15
	Heating		-	4.02	4.10	3.73
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping	Liquid		Ø,mm	19.05	19.05	19.05
Connections	Gas		Ø,mm	38.10	38.10	38.10
	Discharge Gas (DVM PLUS III HR)		Ø,mm	31.75	31.75	31.75
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5x3	7.5x2+11x1	7.5x2+11x1
Sound	Sound Pressure * <sup>4)</sup>		dB(A)	64	64	64
Set Size	Net Weight	DVM PLUS III	kg	240x3	240x2+320x1	240x2+320x1
		DVM PLUS III HR	kg	242x3	242x2+323x1	242x2+323x1
	Shipping Weight	DVM PLUS III	kg	253x3	253x2+337x1	253x2+337x1
		DVM PLUS III HR	kg	255x3	255x2+340x1	255x2+340x1
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x3	(880x1,703x765)x2+(1,200x1,703x765)x1	(880x1,703x765)x2+(1,200x1,703x765)x1
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x3	(948x1,868x832)x2+(1,268x1,868x832)x1	(948x1,868x832)x2+(1,268x1,868x832)x1
Operating	Cooling		°C	-5~43	-5~43	-5~43
Temp. Range	Heating		°C	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



Model				42 HP	44 HP	46 HP
Basic	RVXVHT080GE / RVXVRT080GE					
	RVXVHT100GE / RVXVRT100GE					
	RVXVHT120GE / RVXVRT120GE			1		
	RVXVHT140GE / RVXVRT140GE			1	2	1
	RVXVHT160GE / RVXVRT160GE			1	1	2
Performance	Horse Power		HP	42	44	46
	Capacity	Cooling <sup>*1)</sup>	kW	117.6	123.2	128.8
			Btu/h	401,300	420,500	439,600
		Heating <sup>*2)</sup>	kW	132.3	138.6	144.9
			Btu/h	451,500	473,000	494,500
Power	Nominal Input	Cooling	kW	36.20	36.80	40.60
		Heating	kW	34.80	35.80	40.40
	Circuit Breaker (MCCB/ELB)		A	125	125	125
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50	3/380~415/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.25	3.35	3.17
	Heating		-	3.80	3.87	3.59
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping	Liquid		Ø,mm	19.05	19.05	19.05
Connections	Gas		Ø,mm	38.10	38.10	38.10
	Discharge Gas (DVM PLUS III HR)		Ø,mm	31.75	31.75	31.75
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	7.5x1+11x2	11x3	11x3
Sound	Sound Pressure <sup>*4)</sup>		dB(A)	64	65	65
Set Size	Net Weight	DVM PLUS III	kg	240x1+320x2	320x3	320x3
		DVM PLUS III HR	kg	242x1+323x2	323x3	323x3
	Shipping Weight	DVM PLUS III	kg	253x1+337x2	337x3	337x3
		DVM PLUS III HR	kg	255x1+340x2	340x3	340x3
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x1+(1,200x1703x765)x2	(1,200x1,703x765)x3	(1,200x1,703x765)x3
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x1+(1,268x1748x832)x2	(1,268x1,868x832)x3	(1,268x1,868x832)x3
Operating Temp. Range	Cooling		°C	-5~43	-5~43	-5~43
	Heating		°C	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

# Specification | DVM PLUS III / DVM PLUS III HR

## Module Type - Compact



Model				48 HP	50 HP	52 HP
Basic	RVXVHT080GE / RVXVRT080GE					
	RVXVHT100GE / RVXVRT100GE					
	RVXVHT120GE / RVXVRT120GE				3	3
	RVXVHT140GE / RVXVRT140GE				1	
	RVXVHT160GE / RVXVRT160GE			3		1
Performance	Horse Power		HP	48	50	52
	Capacity	Cooling <sup>*1)</sup>	kW	134.4	140.0	145.6
			Btu/h	458,700	477,600	496,700
		Heating <sup>*2)</sup>	kW	151.2	157.5	163.8
			Btu/h	516,000	537,500	559,000
Power	Nominal Input	Cooling	kW	44.40	42.20	46.00
		Heating	kW	45.00	38.60	43.20
	Circuit Breaker (MCCB/ELB)		A	125	150	150
	Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR	HP/HR
COP	Cooling		-	3.03	3.32	3.17
	Heating		-	3.36	4.08	3.79
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC
Piping	Liquid		Ø,mm	19.05	22.23	22.23
Connections	Gas		Ø,mm	38.10	44.50	44.50
	Discharge Gas (DVM PLUS III HR)		Ø,mm	31.75	38.10	38.10
	Oil (Flare)		Ø,mm	6.35	6.35	6.35
	Installation	Max.Length	m	200	200	200
		Max.Height	m	50 (40)	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A	R410A
	Factory Charging		kg	11x3	7.5x3+11x1	7.5x3+11x1
Sound	Sound Pressure <sup>*4)</sup>		dB(A)	65	66	66
Set Size	Net Weight	DVM PLUS III	kg	320x3	240x3+320x1	240x3+320x1
		DVM PLUS III HR	kg	323x3	242x3+323x1	242x3+323x1
	Shipping Weight	DVM PLUS III	kg	337x3	253x3+337x1	253x3+337x1
		DVM PLUS III HR	kg	340x3	255x3+340x1	255x3+340x1
	Net Dimensions (WxHxD)		mm	(1,200x1,703x765)x3	(880x1,703x765)x3+(1,200x1,703x765)x1	(880x1,703x765)x3+(1,200x1,703x765)x1
	Shipping Dimensions (WxHxD)		mm	(1,268x1,868x832)x3	(948x1,868x832)x3+(1,268x1,868x832)x1	(948x1,868x832)x3+(1,268x1,868x832)x1
Operating	Cooling		°C	-5~43	-5~43	-5~43
Temp. Range	Heating		°C	-20~24	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



Model				54 HP	56 HP
Basic	RVXVHT080GE / RVXVRT080GE				
	RVXVHT100GE / RVXVRT100GE			1	1
	RVXVHT120GE / RVXVRT120GE			1	
	RVXVHT140GE / RVXVRT140GE				1
	RVXVHT160GE / RVXVRT160GE			2	2
Performance	Horse Power		HP	54	56
	Capacity	Cooling * <sup>1)</sup>	kW	151.2	156.8
			Btu/h	515,900	535,100
		Heating * <sup>2)</sup>	kW	170.1	176.4
			Btu/h	580,500	602,000
Power	Nominal Input	Cooling	kW	47.78	48.38
		Heating	kW	46.56	47.56
	Circuit Breaker (MCCB/ELB)		A	150	150
	Power Supply		Ø/V/Hz	3/380~415/50	3/380~415/50
Mode * <sup>3)</sup>			-	HP/HR	HP/HR
COP	Cooling		-	3.16	3.24
	Heating		-	3.65	3.71
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC
Piping	Liquid		Ø,mm	22.23	22.23
Connections	Gas		Ø,mm	44.50	44.50
	Discharge Gas (DVM PLUS III HR)		Ø,mm	38.10	38.10
	Oil (Flare)		Ø,mm	6.35	6.35
	Installation	Max.Length	m	200	200
		Max.Height	m	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A
	Factory Charging		kg	7.5x2+11x2	7.5x1+11x3
Sound	Sound Pressure * <sup>4)</sup>		dB(A)	66	66
Set Size	Net Weight	DVM PLUS III	kg	240x2+320x2	240x1+320x3
		DVM PLUS III HR	kg	242x2+323x2	242x1+323x3
	Shipping Weight	DVM PLUS III	kg	253x2+337x2	253x1+337x3
		DVM PLUS III HR	kg	255x2+340x2	255x1+340x3
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x2+(1,200x1,703x765)x2	(880x1,703x765)x1+(1,200x1,703x765)x3
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x2+(1,268x1,868x832)x2	(948x1,868x832)x1+(1,268x1,868x832)x3
Operating	Cooling		°C	-5~43	-5~43
Temp. Range	Heating		°C	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



# Specification | DVM PLUS III / DVM PLUS III HR

## Module Type - Compact



Model				58 HP	60 HP
Basic	RVXVHT080GE / RVXVRT080GE				
	RVXVHT100GE / RVXVRT100GE			1	
	RVXVHT120GE / RVXVRT120GE				1
	RVXVHT140GE / RVXVRT140GE				
	RVXVHT160GE / RVXVRT160GE			3	3
Performance	Horse Power		HP	58	60
	Capacity	Cooling <sup>*1)</sup>	kW	162.4	168.0
			Btu/h	554,200	573,300
		Heating <sup>*2)</sup>	kW	182.7	189.0
			Btu/h	623,500	645,000
Power	Nominal Input	Cooling	kW	52.18	54.80
		Heating	kW	52.16	54.40
	Circuit Breaker (MCCB/ELB)		A	150	175
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR
COP	Cooling		-	3.11	3.07
	Heating		-	3.50	3.47
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC
Piping	Liquid		Ø,mm	22.23	22.23
Connections	Gas		Ø,mm	44.50	44.50
	Discharge Gas (DVM PLUS III HR)		Ø,mm	38.10	38.10
	Oil (Flare)		Ø,mm	6.35	6.35
	Installation	Max.Length	m	200	200
		Max.Height	m	50 (40)	50 (40)
Refrigerant	Type		-	R410A	R410A
	Factory Charging		kg	7.5x1+11x3	7.5x1+11x3
Sound	Sound Pressure <sup>*4)</sup>		dB(A)	66	67
Set Size	Net Weight	DVM PLUS III	kg	240x1+320x3	240x1+320x3
		DVM PLUS III HR	kg	242x1+323x3	242x1+323x3
	Shipping Weight	DVM PLUS III	kg	253x1+337x3	253x1+337x3
		DVM PLUS III HR	kg	255x1+340x3	255x1+340x3
	Net Dimensions (WxHxD)		mm	(880x1,703x765)x1+(1,200x1,703x765)x3	(880x1,703x765)x1+(1,200x1,703x765)x3
	Shipping Dimensions (WxHxD)		mm	(948x1,868x832)x1+(1,268x1,868x832)x3	(948x1,868x832)x1+(1,268x1,868x832)x3
Operating	Cooling		°C	-5~43	-5~43
Temp. Range	Heating		°C	-20~24	-20~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



Model				62 HP		64 HP	
Basic	RVXVHT080GE / RVXVRT080GE						
	RVXVHT100GE / RVXVRT100GE						
	RVXVHT120GE / RVXVRT120GE						
	RVXVHT140GE / RVXVRT140GE			1			
	RVXVHT160GE / RVXVRT160GE			3	4		
Performance	Horse Power		HP	62	64		
	Capacity	Cooling * <sup>1)</sup>	kW	173.6	179.2		
			Btu/h	592,500	611,600		
		Heating * <sup>2)</sup>	kW	195.3	201.6		
			Btu/h	666,500	688,000		
Power	Nominal Input	Cooling	kW	55.40	59.20		
		Heating	kW	55.40	60.00		
	Circuit Breaker (MCCB/ELB)		A	175	175		
Power Supply			Ø/V/Hz	3/380~415/50	3/380~415/50		
Mode * <sup>3)</sup>			-	HP/HR	HP/HR		
COP	Cooling		-	3.13	3.03		
	Heating		-	3.53	3.36		
Fan	Type/Control		-	Propeller/BLDC	Propeller/BLDC		
Piping	Liquid		Ø,mm	22.23	22.23		
Connections	Gas		Ø,mm	44.50	44.50		
	Discharge Gas (DVM PLUS III HR)		Ø,mm	38.10	38.10		
	Oil (Flare)		Ø,mm	6.35	6.35		
	Installation	Max.Length	m	200	200		
		Max.Height	m	50 (40)	50 (40)		
Refrigerant	Type		-	R410A	R410A		
	Factory Charging		kg	11x4	11x4		
Sound	Sound Pressure * <sup>4)</sup>		dB(A)	67	67		
Set Size	Net Weight	DVM PLUS III	kg	320x4	320x4		
		DVM PLUS III HR	kg	323x4	323x4		
	Shipping Weight	DVM PLUS III	kg	337x4	337x4		
		DVM PLUS III HR	kg	340x4	340x4		
	Net Dimensions (WxHxD)		mm	(1,200x1,703x765)x4	(1,200x1,703x765)x4		
	Shipping Dimensions (WxHxD)		mm	(1,268x1,868x832)x4	(1,268x1,868x832)x4		
Operating	Cooling		°C	-5~43	-5~43		
Temp. Range	Heating		°C	-20~24	-20~24		

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

# Mini DVM

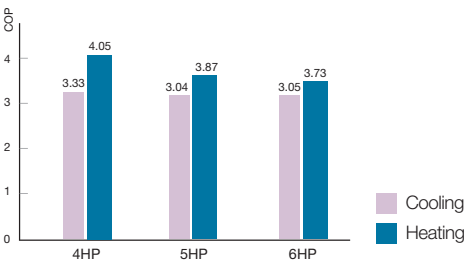
Compact size with equally high efficiency and easy maintenance, Mini DVM is perfect for light commercial and residential places.

## Feature



### High Energy Efficiency

Digital Scroll compressor offers very high cooling and heating COP.



### Compact Design

Mini DVM offers easy installation with its slim and compact design saving installation space.

#### Dimension

Capacity	4HP	5HP	6HP
Volume (m³)	0.39	0.39	0.39
Foot print (m²)	0.35	0.35	0.35
Height (mm)	1,128	1,128	1,128
Weight (kg)	124	125	125

### Easy Maintenance

Mini DVM makes it possible to control compressor, PCB, EEV on front panel allowing simple and effortless maintenance. It is possible to react promptly to errors because they are displayed on LED of the outdoor units by error codes.

### High Reliability

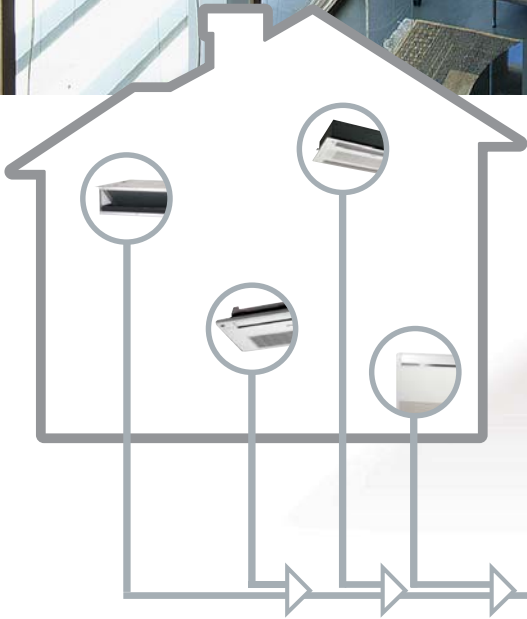
Mini DVM is highly reliable with adopted Digital Scroll Compressor which can be controlled easily. Because Digital Scroll Compressor needs just one control PCB, it achieves simple structure and high reliability.

### Various Indoor Units

Mini DVM can be combined up to 11 stylish indoor units blending with any interior design.

### Wide Compatibility

Mini DVM can be controlled with control systems which is the same as DVM PLUS III and FJM



- Ø1, 220~240V, 50Hz (4/5HP)
- Ø3, 380~415V, 50Hz (5/6HP)



Specification | Mini DVM



Model				RVXMHF040EA	RVXMHF050EA	RVXMHF050GA	RVXMHF060GA
Performance	Horse Power		HP	4	5	5	6
	Capacity	Cooling * <sup>1)</sup>	kW	12.5	14.0	14.0	16.0
			Btu/h	42,600	47,700	47,700	54,500
		Heating * <sup>2)</sup>	kW	14.5	16.0	16.0	18.0
			Btu/h	49,400	54,500	54,500	61,400
Power	Nominal Running	Cooling	A	19.0	22.4	8.5	11.0
	Current	Heating	A	18.0	20.1	7.8	9.9
	Nominal Input	Cooling	kW	3.75	4.60	4.61	5.24
		Heating	kW	3.58	4.13	4.13	4.82
	Circuit Breaker (MCCB/ELB)		A	30	30	20	20
Power Supply			ØV/Hz	1/220~240/50	1/220~240/50	3/380~415/50	3/380~415/50
Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump
COP	Cooling		-	3.33	3.04	3.04	3.05
	Heating		-	4.05	3.87	3.87	3.73
Compressor	Type		-	Digital Scroll	Digital Scroll	Digital Scroll	Digital Scroll
	Piston Displacement		cc/Rev	58.10	62.98	67.13	77.20
	Output		kW	-	-	-	-
	Lubricant	Type	-	3MAF POE	3MAF POE	3MAF POE	3MAF POE
		Charging	cc	1,893	1,893	1,893	1,774
Fan	Type		-	Propeller	Propeller	Propeller	Propeller
	Output		W	200x2	200x2	200x2	220x2
	Airflow Rate		m³/min	105	105	105	105
Piping Connections	Liquid (Flare)		Ø,mm	9.52	9.52	9.52	9.52
	Gas (Flare)		Ø,mm	15.88	15.88	15.88	15.88
	Installation Limitation	Max. Length	m	100	100	100	100
		Max. Height	m	30	30	30	30
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Factory Charging		kg	5.5	5.5	5.5	5.5
Sound	Sound Pressure(Cooling/Heating) * <sup>3)</sup>		dB(A)	55/56	55/57	55/57	57/60
Set Size	Net Weight		kg	124	125	125	125
	Shipping Weight		kg	132	133	133	133
	Net Dimensions (WxHxD)		mm	932x1,128x375	932x1,128x375	932x1,128x375	932x1,128x375
	Shipping Dimensions (WxHxD)		mm	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472
Operating Temp. Range	Cooling		°C	-5~43	-5~43	-5~43	-5~43
	Heating		°C	-20~24	-20~24	-20~24	-15~24

Notes

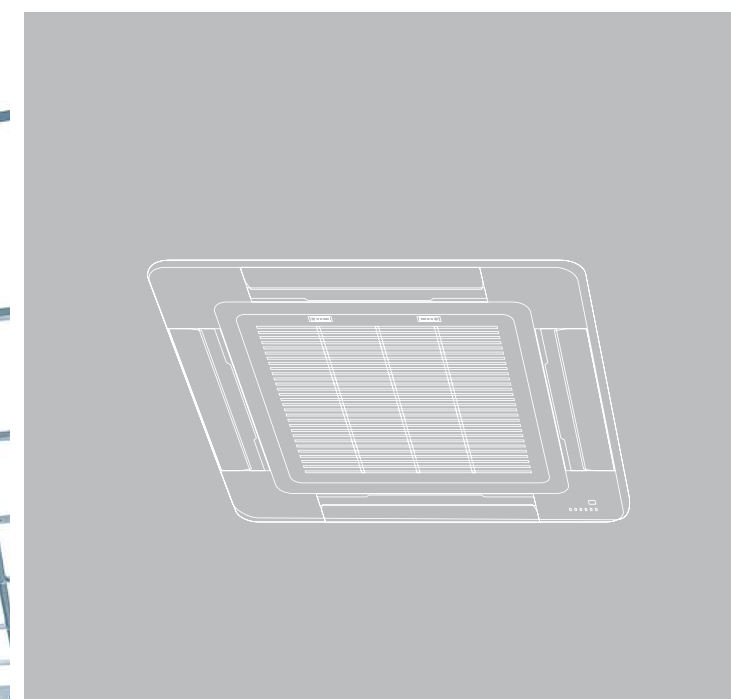
- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



Model				RVMMH120EZ	RVMMH120GZ	RVMMH140EZ	RVMMH140GZ	RVMMH160GZ
Performance	Horse Power		HP	4	4	5	5	6
	Capacity	Cooling *1)	kW	12.0	12.0	14.0	14.0	16.0
			Btu/h	40,900	40,900	47,700	47,700	54,500
		Heating *2)	kW	14.0	14.0	16.0	16.0	18.0
			Btu/h	47,700	47,700	54,500	54,550	61,400
Power	Nominal Running	Cooling	A	18.0	6.5	22.5	8.5	10.2
	Current	Heating	A	18.0	6.4	21.5	8.0	9.9
	Nominal Input	Cooling	kW	3.56	3.80	4.65	4.90	5.55
		Heating	kW	3.58	3.58	4.50	4.30	5.20
	Circuit Breaker (MCCB/ELB)		A	-	-	-	-	-
Power Supply			ØV/Hz	1/220~240/50	3/380~415/50	1/220~240/50	3/380~415/50	3/380~415/50
Mode			-	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump
COP	Cooling		-	3.37	3.16	3.01	2.86	2.89
	Heating		-	3.91	3.91	3.56	3.72	3.46
Compressor	Type		-	Digital Scroll	Digital Scroll	Digital Scroll	Digital Scroll	Digital Scroll
	Piston Displacement		cc/Rev	-	82.59	93.03	98.06	107.80
	Output		kW	-	-	-	4.2	-
	Lubricant	Type	-	SONTEX 200LT	SONTEX 200LT	SONTEX 200LT	SONTEX 200LT	SONTEX 200LT
		Charging	cc	-	1,890	1,890	1,890	1,890
Fan	Type		-	Propeller	Propeller	Propeller	Propeller	Propeller
	Output		W	-	-	-	-	-
	Airflow Rate		m³/min	95	95	95	95	95
Piping Connections	Liquid (Flare)		Ø,mm	9.52	9.52	9.52	9.52	9.52
	Gas (Flare)		Ø,mm	19.05	19.05	19.05	19.05	19.05
	Installation Limitation	Max. Length	m	70	70	70	70	70
		Max. Height	m	30	30	30	30	30
	Refrigerant	Type		-	R22	R22	R22	R22
Factory Charging		kg	6.5	6.5	6.5	6.5	6.5	
Sound	Sound Pressure(Cooling/Heating) *3)		dB(A)	55/56	55/56	55/57	55/57	57/60
Set Size	Net Weight		kg	124	124	125	125	125
	Shipping Weight		kg	132	132	133	133	133
	Net Dimensions (WxHxD)		mm	932x1,128x375	932x1,128x375	932x1,128x375	932x1,128x375	932x1,128x375
	Shipping Dimensions (WxHxD)		mm	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472	1,091x1,286x472
Operating Temp. Range	Cooling		℃	-5~43	-5~43	-5~43	-5~43	-5~43
	Heating		℃	-15~24	-15~24	-15~24	-15~24	-15~24

Notes

- \*1) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



## Spread the perfect air to every corner

### INDOOR UNITS

Each of Samsung's indoor units has their own individual unique feature to provide the perfect air throughout the entire space. Indoor units designed to fit all the different type of space. It will be like having a customized air conditioner designed just for you.

#### 50 | INDOOR UNITS

- 52 | Wall-mounted Type
- 60 | Cassette Type
- 74 | Duct Type
- 84 | Floor & Convertible Type
- 92 | ERV System
- 96 | Accessories

03  
INDOOR UNITS



# Wall-mounted type Air conditioners

Samsung's wall-mounted type air conditioners not only have stylish and sophisticated designs, but are also concerned about high performance and health. Samsung's wall-mounted type air conditioners represent cool, clean and healthy freshness in everyday living.



## Wall-mounted Type Line-Up

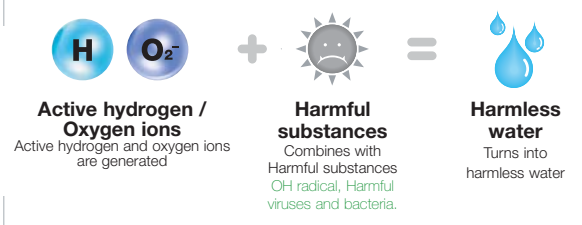


## mpi MPI Zone (MB/Vivace)

Do you know that harmful substances and viruses breed in the space you live in?



### How Micro Plasma Ion System technology Works

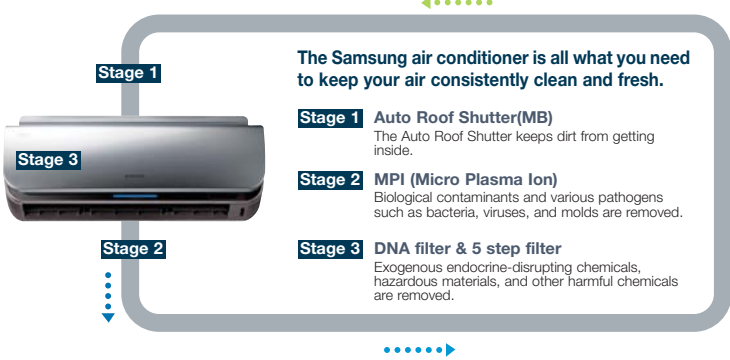


### Micro Plasma Ion improves your Indoor Air Quality and eliminates all your worries.

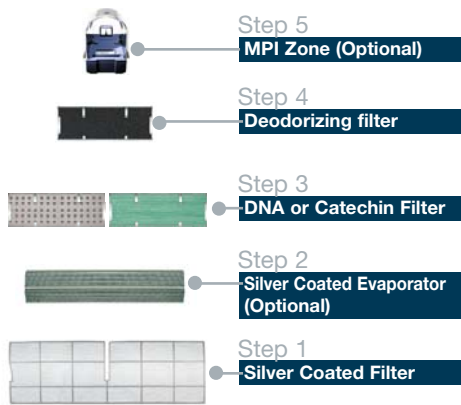
- Creation of an Intensely Purified Zone
- Protection against disease
- Safe from allergy-causing agents
- Controls active oxygen which can cause disease, cancer, and accelerated aging

## Health Care System (MB)

### Health Care System



### 5-Step Air Purifying System

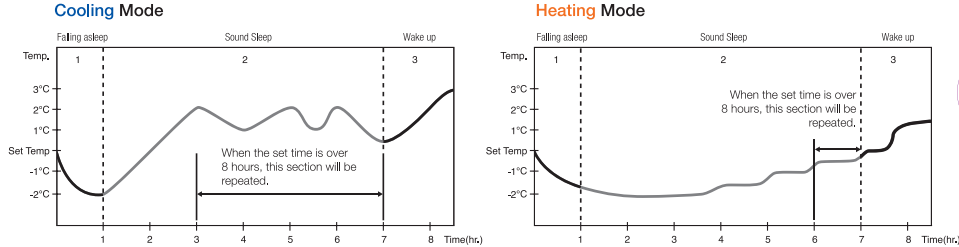


## good'sleep Good'sleep II (MB/Neo Forte)

### Best Temperature for deep sleep

According to the stage of sleep, temperatures are adjusted so you fall into deep sleep faster and get up more refreshed in the morning for a great start of your day.

1. **Falling asleep stage:** Eases you into sleep by dropping the temperature.
2. **Sound sleep stage:** Relaxes your body and raises your temperature slightly.
3. **Wake up stage:** Allows you to wake up from comfortable intermittent air and it makes you feel refresh.



# MB

The polished design, luxurious pearl color and misty blue light add sophistication and style to your space.

- Auto Roof Shutter

Auto Roof Shutter  
(2.8/3.6kW)
- mpi

MPI (Micro Plasma Ion)
- DNA filter

DNA Filter
- good'sleep

Good'sleep II



## Auto Roof Shutter (2.8/3.6kW)

This unique air conditioner automatically seals off to prevent dirt infiltration when not in operation.

## MPI (Micro Plasma Ion)

The world's first technology that generates active hydrogen atoms together with oxygen ions to improve your Indoor Air Quality. It protects you from harmful particles and viruses existing in the air.

## DNA Filter

It is a new technology that screens selectively for only toxic agents. This enables a smarter and effective air management compared to other filters.

## Good'sleep II

Innovative technology developed to control the air temperature during your sleep and maintain optimum skin temperature to enjoy a comfortable sleep and also a refreshed wake up.

## Deodorizing filter

Incorporated with activated carbon, the Deodorizing Filter efficiently adsorbs cigarette smoke, pet odors and other unpleasant odors.

## Silver Coated Evaporator

The fins of the evaporator are triple coated with environmentally friendly materials (2 layers of chrome-free silica, 1 layer of Silver coating) to ensure efficient removal of condensation and to guarantee the production of clean and fresh air.

### Optional Accessories

- Individual Controllers

MWR-WE00

MWR-WS00

MWR-TH01

MWR-SH00

### Standard Accessories

- Wireless Remote Controller

### Line-Up

- 9.K Btu/h  
2.8 kW
- 12K Btu/h  
3.6 kW
- 18K Btu/h  
5.6 kW
- 24K Btu/h  
7.1 kW



## Specification | MB

Model				AVXWBH028EE	AVXWBH036EE	AVXWBH056EE	AVXWBH071EE
Performance Capacity	Cooling <sup>*1)</sup>	kW		2.8	3.6	5.6	6.8
		Btu/h		9,500	12,200	19,100	23,200
	Heating <sup>*2)</sup>	kW		3.2	4.0	6.3	7.0
		Btu/h		10,900	13,600	21,400	23,800
Power	Input	W		30	30	50	50
	Running Current	A		0.18	0.19	0.3	0.3
Power Supply		Ø/V/Hz		1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>		-		HP/HR	HP/HR	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>	dB(A)		31 / 20	35 / 21	40 / 30	41 / 30
Fan	Type	-		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Airflow Rate	Cooling (High)	m³/min		9.0	10.0	12.0	13.0
	Heating (High)	m³/min		9.0	10.0	12.0	13.0
Refrigerant	Type	-		R410A	R410A	R410A	R410A
	Control Method	-		EEV	EEV	EEV	EEV
Piping	Liquid (Flare)	Ø,mm		6.35	6.35	6.35	9.52
Connections	Gas (Flare)	Ø,mm		12.70	12.70	12.70	15.88
	Drain (Quick Lock)	Ø,mm		ID 18 hose	ID 18 hose	ID 18 hose	ID 18 hose
Weight	Net Weight	kg		10.2	10.2	13.0	13.0
	Shipping Weight	kg		11.5	11.5	16.0	16.0
Set Size	Net Dimensions (WxHxD)	mm		900x304x185	900x304x185	1,100x307x225	1,100x307x225
	Shipping Dimensions (WxHxD)	mm		963x349x247	963x349x247	1,157x381x292	1,157x381x292
Standard	Filter / Safety Grille	-		Filter (Washable)	Filter (Washable)	Filter (Washable)	Filter (Washable)
Accessories	Wireless Remote Controller	-		ARH-1364	ARH-1364	ARH-1364	ARH-1364

Notes

\*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m

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

\*3) Mode - HP: Heat Pump, HR: Heat Recovery

\*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

\*5) Optional Accessory

- Specifications are subject to change without prior notice for product improvement.

# Vivace (Shadow Mirror)

The Samsung Vivace air conditioner brings a taste of the future into your home. With advanced technology and a flat smoked mirror panel, this air conditioner is a modern elegance.

MPI (Micro Plasma Ion)

Good'sleep II



## MPI (Micro Plasma Ion)

The world's first technology that generates active hydrogen atoms together with oxygen ions to improve your Indoor Air Quality. It protects you from harmful particles and viruses existing in the air.

## Good'sleep II

Innovative technology developed to control the air temperature during your sleep and maintain optimum skin temperature to enjoy a comfortable sleep and also a refreshed wake up.

## Catechin filter

Catechin, extracted from green tea, is contained in the filter and deactivates captured bacteria and unpleasant odors.


## Deodorizing filter

Incorporated with activated carbon, the Deodorizing Filter efficiently adsorbs cigarette smoke, pet odors and other unpleasant odors.


## Silver Coated Evaporator

The fins of the evaporator are triple coated with environmentally friendly materials (2 years of chrome-free silica, 1 layer of Silver coating) to ensure efficient removal of condensation and to guarantee the production of clean and fresh air.


Shadow Mirror



Hidden Display



Trim-less Design



### Optional Accessories

Individual Controllers

MWR-WE00


MWR-WS00

MWR-TH01

MWR-SH00

### Standard Accessories

Wireless Remote Controller



### Line-Up

7K Btu/h  
2.2 kW



9K Btu/h  
2.8 kW



12K Btu/h  
3.6 kW



18K Btu/h  
5.6 kW



24K Btu/h  
7.1 kW



## Specification | Vivace (Shadow Mirror)

Model				AVXWVH022EE	AVXWVH028EE	AVXWVH036EE	AVXWVH056EE	AVXWVH071EE
Performance	Capacity	Cooling <sup>*1)</sup>	kW	2.2	2.8	3.6	5.6	6.8
			Btu/h	7,500	9,500	12,200	19,100	23,200
	Heating <sup>*2)</sup>	kW	2.5	3.2	4.0	6.3	7.0	
		Btu/h	8,500	10,900	13,600	21,400	23,800	
Power	Input	W	30	30	35	50	50	
	Running Current	A	0.13	0.18	0.19	0.30	0.30	
Power Supply			Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	31 / 21	31 / 21	35 / 21	40 / 30	41 / 30
Fan	Type		-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Airflow Rate	Cooling (High)		m³/min	7.0	7.0	8.2	13.3	13.3
	Heating (High)		m³/min	7.3	7.3	8.8	14.0	14.0
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
	Control Method		-	EEV <sup>*5)</sup>	EEV <sup>*5)</sup>	EEV <sup>*5)</sup>	EEV <sup>*5)</sup>	EEV <sup>*5)</sup>
Piping	Liquid (Flare)		Ø,mm	6.35	6.35	6.35	6.35	9.52
Connections	Gas (Flare)		Ø,mm	12.70	12.70	12.70	12.70	15.88
	Drain (Quick Lock)		Ø,mm	ID 18 hose	ID 18 hose	ID 18 hose	ID 18 hose	ID 18 hose
Weight	Net Weight		kg	8.5	8.5	8.5	12.0	12.0
	Shipping Weight		kg	11.5	11.5	11.5	15.0	15.0
Set Size	Net Dimensions (WxHxD)		mm	825x285x189	825x285x189	825x285x189	1,065x298x218	1,065x298x218
	Shipping Dimensions (WxHxD)		mm	900x349x252	900x349x252	900x349x252	1,137x377x299	1,137x377x299
Standard	Filter / Safety Grille		-	Filter (Washable)	Filter (Washable)	Filter (Washable)	Filter (Washable)	Filter (Washable)
Accessories	Wireless Remote Controller		-	ARH-1364	ARH-1364	ARH-1364	ARH-1364	ARH-1364

Notes

\*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m

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

\*3) Mode - HP: Heat Pump, HR: Heat Recovery

\*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

\*5) Optional Accessory

- Specifications are subject to change without prior notice for product improvement.



# Neo Forte

Design incorporates a clean and fashionable front panel with a unique silver accent line that adds a strong impression and a stylish touch to the whole design.



## Good'sleep II

Innovative technology developed to control the air temperature during your sleep and maintain optimum skin temperature to enjoy a comfortable sleep and also a refreshed wake up.

## Catechin filter

Catechin, extracted from green tea, is contained in the filter and deactivates captured bacteria and unpleasant odors.

## Deodorizing filter

Incorporated with activated carbon, the Deodorizing Filter efficiently adsorbs cigarette smoke, pet odors and other unpleasant odors.

## Silver Coated Evaporator

The fins of the evaporator are triple coated with environmentally friendly materials (2 years of chrome-free silica, 1 layer of Silver coating) to ensure efficient removal of condensation and to guarantee the production of clean and fresh air.

Clean-Cut Front Panel



Silver Accent Line



Bottom Opening Front Panel



### Optional Accessories

Individual Controllers



MWR-WE00



MWR-WS00



MWR-TH01



MWR-SH00

### Standard Accessories

Wireless Remote Controller



### Line-Up



## Specification | Neo Forte

Model				AVXWNH022EE	AVXWNH028EE	AVXWNH036EE	AVXWNH056EE	AVXWNH071EE
Performance Capacity	Cooling <sup>*1)</sup>	kW		2.2	2.8	3.6	5.6	6.8
		Btu/h		7,500	9,500	12,200	19,100	23,200
	Heating <sup>*2)</sup>	kW		2.5	3.2	4.0	6.3	7.0
		Btu/h		8,500	10,900	13,600	21,400	23,800
Power	Input	W		25	25	30	45	50
	Running Current	A		0.18	0.18	0.18	0.27	0.30
Power Supply		Ø/V/Hz		1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>		-		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	32/23	32/23	36/23	40/30	41/30
Fan	Type		-	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Airflow Rate	Cooling (High)	m³/min		7.8	7.8	9.3	12.0	14.0
	Heating (High)	m³/min		8.2	8.2	9.5	13.0	15.0
Refrigerant	Type	-		R410A	R410A	R410A	R410A	R410A
	Control Method	-		External EEV <sup>*5)</sup>	External EEV <sup>*5)</sup>	External EEV <sup>*5)</sup>	External EEV <sup>*5)</sup>	External EEV <sup>*5)</sup>
Piping	Liquid (Flare)	Ø,mm		6.35	6.35	6.35	6.35	9.52
Connections	Gas (Flare)	Ø,mm		12.70	12.70	12.70	12.70	15.88
	Drain (Quick Lock)	Ø,mm		ID 18 hose	ID 18 hose	ID 18 hose	ID 18 hose	ID 18 hose
Weight	Net Weight	kg		7.8	7.8	7.8	13.0	13.0
	Shipping Weight	kg		9.4	9.4	9.4	16.0	16.0
Set Size	Net Dimensions (WxHxD)	mm		825x285x189	825x285x189	825x285x189	1,065x298x218	1,065x298x218
	Shipping Dimensions (WxHxD)	mm		900x349x252	900x349x252	900x349x252	1,137x377x299	1,137x377x299
Standard	Filter / Safety Grille		-	Filter (Washable)	Filter (Washable)	Filter (Washable)	Filter (Washable)	Filter (Washable)
Accessories	Wireless Remote Controller		-	ARH-463	ARH-465	ARH-465	ARH-465	ARH-465

#### Notes

- \*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- \*5) Optional Accessory
- Specifications are subject to change without prior notice for product improvement.

# Cassette type Air conditioners

Modern style design, functionality for efficiency and four different types of model fits in any interior space. Cooling and heating begins from Samsung's Cassette type indoor units while it gives finishing touch to your interior design.



## Cassette Type Line-Up



Slim 1Way Cassette Type



2Way Cassette Type



Mini 4Way Cassette Type

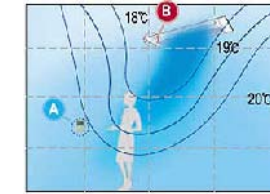


4Way Cassette Type



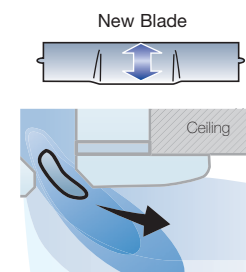
## Wide Blade

The new cassette type air conditioner is equipped with uniquely designed blades that are wider to provide even cooling and heating power throughout the room.

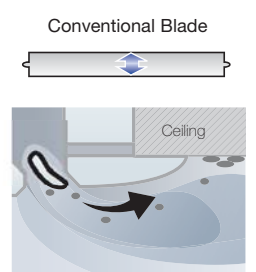


## Ceiling Soiling Prevention

Newly designed panel will control the air direction to avoid having contact with the ceiling. This new design will prevent the ceiling soiling and keep your interior cleaner than ever even, after long period of operation.



Airflow is directed downwards without having contact with the ceiling.

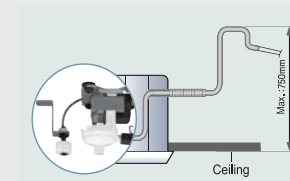


Airflow is directed towards the ceiling which cause ceiling soiling.



## High Lift-up Drain Pump

The lift-up drain pump lifts condensed water up to 750mm, compared to the competitor's 700mm, allowing for flexible and convenient installation.



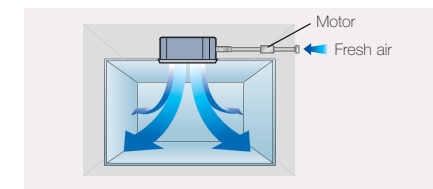
### Lift-up Range

SAMSUNG	750mm
Company A	700mm
(mm)	600 650 700 750



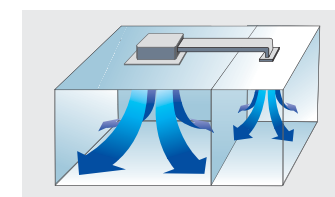
## Fresh Air Intake

With optional installation of an air intake motor, fresh air can enter through the cassette unit so you have fresher air in the room.



## Sub Duct

The Sub Duct lets you use the same air conditioner unit to cool another smaller space nearby. (The cassette unit is fitted with a knock-out component to accommodate this.)

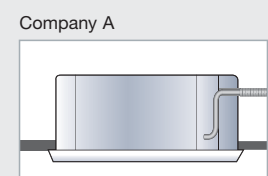


## Quick Connection of Drain Pipe

Samsung's unique drain pipe prevents leaks and is easier to install with no need to use tape or adhesives.



Samsung



Company A



# Slim 1Way Cassette

Super slim design helps easier installation and the quiet operation still provides plenty of airflow.

-  WIDE BLADE
-  CEILING SOILING PREVENTION
-  HIGH LIFT-UP DRAIN PUMP
-  QUICK CONNECTION OF DRAIN PIPE



## Optional Accessories

Individual Controllers



MWR-WE00



MWR-WS00



MWR-TH01



MWR-SH00



MR-CH01

Panel

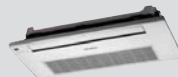


PSSMA

## Line-Up



7K Btu/h  
2.2 kW



9K Btu/h  
2.8 kW



12K Btu/h  
3.6 kW

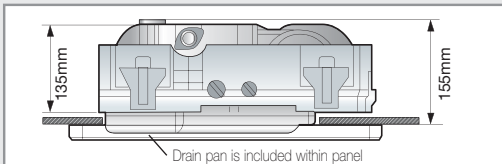
## Slim and Compact Design

### Slim 1Way Cassette

Want a cassette type air conditioner, but have limited space? Samsung's new Slim 1Way cassette type air conditioner is the answer.

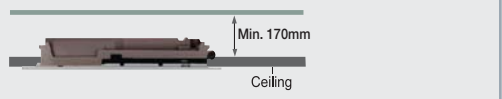
#### Only 135mm thick

Samsung introduces the world's slimmest indoor air conditioner unit. Only 135mm thick, the slim 1Way Cassette air conditioner can be installed practically anywhere.



#### NOTE

Ensure that there is sufficient installation space. Allow at least 170mm for the installation.



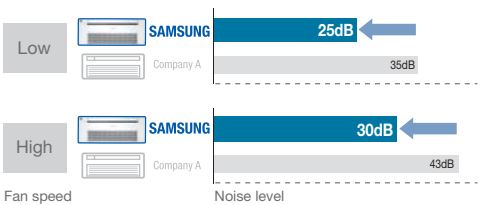
#### Lighter indoor unit

The first to apply ABS cabinets into its indoor units, Samsung has achieved the lightest units on the market. Its slim lightweight design makes installation and maintenance a breeze.



## Quiet Operation

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



## Check Valve Inside Drain Pump

Faulty drainage installation or power failures can cause condensed water to flow back into the unit, causing leakage and odors. Samsung's air conditioners are equipped with a check valve built directly into the drain pump to prevent water from flowing backward.





Specification | Slim 1Way Cassette

Model				AVXCSH022EE	
Performance	Capacity	Cooling <sup>*1)</sup>	kW	2.2	
			Btu/h	7,500	
		Heating <sup>*2)</sup>	kW	2.5	
			Btu/h	8,500	
Power	Input	W		40	
	Running Current	A		0.20	
Power Supply			Ø/V/Hz	1/220~240/50	
Mode <sup>*3)</sup>			-	HP/HR	
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	30/25	
Fan	Type		-	Cross Flow Fan	
Airflow Rate	Cooling (High)		m³/min	6.0	
	Heating (High)		m³/min	7.0	
Refrigerant	Type		-	R410A	
	Control Method		-	EEV	
Piping	Liquid (Flare)		Ø,mm	6.35	
Connections	Gas (Flare)		Ø,mm	12.70	
	Drain (Quick Lock)		Ø,mm	VP20(OD 25,ID 20)	
Weight	Net Weight		kg	10.5	
	Shipping Weight		kg	13.5	
Set Size	Net Dimensions (WxHxD)		mm	970x135x410	
	Shipping Dimensions (WxHxD)		mm	1,164x212x478	
Panel Size	Model		-	PSSMA	
	Net Weight		kg	3.0	
	Shipping Weight		kg	5.0	
	Net Dimensions (WxHxD)		mm	1,180x25x460	
	Shipping Dimensions (WxHxD)		mm	1,259x144x539	
Standard	Filter / Safety Grille		-	Filter (Washable)	
Accessories	Drain Pump (Pumping speed / lift)		l/h / mm	24/750	

Notes

- \*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.



Model				AVXCSH028EE	AVXCSH036EE
Performance	Capacity	Cooling <sup>*1)</sup>	kW	2.8	3.6
			Btu/h	9,500	12,200
		Heating <sup>*2)</sup>	kW	3.2	4.0
			Btu/h	10,900	13,600
Power	Input	W		45	50
	Running Current	A		0.23	0.25
Power Supply			Ø/V/Hz	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	30 / 25	32 / 27
Fan	Type		-	Cross Flow fan	Cross Flow fan
Airflow Rate	Cooling (High)		m³/min	7.0	8.0
	Heating (High)		m³/min	8.0	9.0
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV	EEV
Piping	Liquid (Flare)		Ø,mm	6.35	6.35
Connections	Gas (Flare)		Ø,mm	12.70	12.70
	Drain (Quick Lock)		Ø,mm	VP20(OD 25,ID 20)	VP20(OD 25,ID 20)
Weight	Net Weight		kg	10.5	10.5
	Shipping Weight		kg	13.5	13.5
Set Size	Net Dimensions (WxHxD)		mm	970x135x410	970x135x410
	Shipping Dimensions (WxHxD)		mm	1,164x212x478	1,164x212x478
Panel Size	Model		-	PSSMA	PSSMA
	Net Weight		kg	3.0	3.0
	Shipping Weight		kg	5.0	5.0
	Net Dimensions (WxHxD)		mm	1,180x25x460	1,180x25x460
	Shipping Dimensions (WxHxD)		mm	1,259x144x539	1,259x144x539
Standard	Filter / Safety Grille		-	Filter (Washable)	Filter (Washable)
Accessories	Drain Pump (Pumping speed / lift)		l/h / mm	24/750	24/750

Notes

- \*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

# 2Way Cassette

Air coming out from two sides, together with its compact size can be perfect fit for long and narrow places with limited installation space.

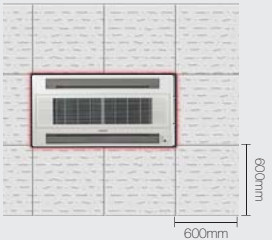
 **HIGH LIFT-UP DRAIN PUMP**

 **QUICK CONNECTION OF DRAIN PIPE**



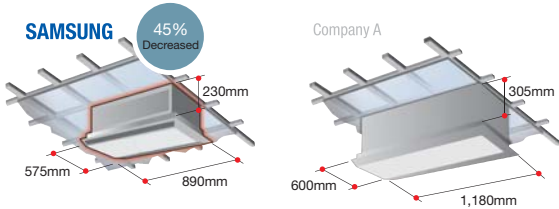
## Standard Formula for Easy Installation

The dimensions of the 2Way cassette air conditioner allows for easy installation into standard ceiling grids (600Wx600D), so everything just falls into place.



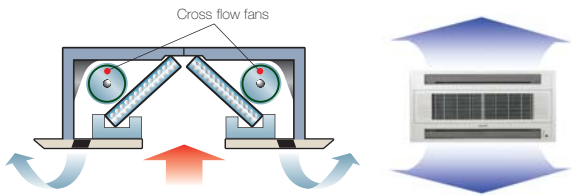
## Small Size Big Performance

The 2Way cassette air conditioner is now 45% smaller than competitor's models, so it's even easier to incorporate into building design.



## Twin Cross Flow Fan

The 2Way cassette type unit is perfect fit for long and narrow rectangular type of space. Twin Cross Flow Fan inside of the 2Way cassette will spread cool or warm air even further and wider with less noise.



## Optional Accessories

**Individual Controllers**  
 MWR-WE00  
 MWR-WS00  
 MWR-TH01  
 MWR-SH00  
 MR-CH01

**Panel**  
 P2SMA

**Line-Up**  
 18K Btu/h  
5.6 kW

 24K Btu/h  
7.1 kW

## Specification | 2Way Cassette



Model				AVXC2H056EE	AVXC2H071EE
Performance	Capacity	Cooling <sup>*1)</sup>	kW	5.6	7.1
			Btu/h	19,100	24,200
		Heating <sup>*2)</sup>	kW	6.3	8.0
			Btu/h	21,400	27,200
Power	Input		W	70	75
	Running Current		A	0.38	0.40
Power Supply			Ø/V/Hz	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	36 / 28	38 / 28
Fan	Type		-	Cross Flow Fan	Cross Flow Fan
Airflow Rate	Cooling (High)		m³/min	14.0	14.0
	Heating (High)		m³/min	16.0	16.0
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV	EEV
Piping	Liquid (Flare)		Ø,mm	6.35	9.52
Connections	Gas (Flare)		Ø,mm	12.70	15.88
	Drain (Quick Lock)		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Weight	Net Weight		kg	21.0	21.0
	Shipping Weight		kg	25.0	25.0
Set Size	Net Dimensions (WxHxD)		mm	890x230x575	890x230x575
	Shipping Dimensions (WxHxD)		mm	1,077x299x642	1,077x299x642
Panel Size	Model		-	P2SMA	P2SMA
	Net Weight		kg	4.0	4.0
	Shipping Weight		kg	8.0	8.0
	Net Dimensions (WxHxD)		mm	1,030x25x650	1,030x25x650
	Shipping Dimensions (WxHxD)		mm	1,103x151x727	1,103x151x727
Standard	Filter / Safety Grille		-	Filter (Washable)	Filter (Washable)
Accessories	Drain Pump (Pumping speed / lift)		l/h / mm	24/750	24/750

### Notes

\*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m

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

\*3) Mode - HP: Heat Pump, HR: Heat Recovery

\*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

- Specifications are subject to change without prior notice for product improvement.

# Mini 4Way Cassette

Four way airflow for large coverage combined with more compact size, it is an ideal option for installation with smaller ceiling structures.



HIGH LIFT-UP DRAIN PUMP



FRESH AIR INTAKE

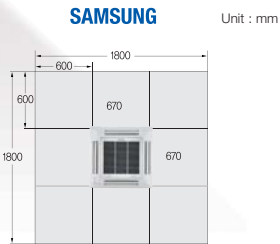


QUICK CONNECTION OF DRAIN PIPE



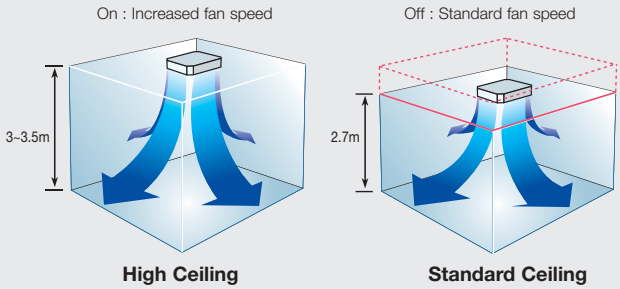
## Ideal Compact Size

The Mini 4Way cassette air conditioner can be installed in one standard ceiling tile (600Wx600D), which can save installation time.



## Fan Speed Adjustment

Fan speed can be adjusted according to ceiling height by adjusting dip switch of indoor unit's PCB.



### Optional Accessories

Individual Controllers



MWR-WE00



MWR-WS00



MWR-TH01



MWR-SH00



MR-CH01

Panel



PMSMA

### Line-Up

9K Btu/h  
2.8 kW



12K Btu/h  
3.6 kW



18K Btu/h  
5.6 kW



21K Btu/h  
6.0 kW



## Specification | Mini 4Way Cassette



Model				AVXCMH028EE	AVXCMH036EE	AVXCMH056EE	AVXCMH060EE
Performance	Capacity	Cooling <sup>*1)</sup>	kW	2.8	3.6	5.6	6.0
			Btu/h	9,500	12,200	19,100	20,400
	Heating <sup>*2)</sup>		kW	3.2	4.0	6.3	6.8
			Btu/h	10,900	13,600	21,400	23,200
Power	Input		W	90	90	95	100
	Running Current		A	0.50	0.50	0.52	0.55
Power Supply			Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	30 / 25	34 / 27	41 / 33	41 / 33
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Airflow Rate	Cooling (High)		m³/min	10.1	10.1	10.6	12.2
	Heating (High)		m³/min	11.9	11.9	12.6	14.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control Method		-	EEV	EEV	EEV	EEV
Piping	Liquid (Flare)		Ø,mm	6.35	6.35	6.35	6.35
Connections	Gas (Flare)		Ø,mm	12.70	12.70	12.70	12.70
	Drain (Quick Lock)		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Weight	Net Weight		kg	17.0	17.0	17.0	17.0
	Shipping Weight		kg	20.0	20.0	20.0	20.0
Set Size	Net Dimensions (WxHxD)		mm	575x260x575	575x260x575	575x260x575	575x260x575
	Shipping Dimensions (WxHxD)		mm	660x310x635	660x310x635	660x310x635	660x310x635
Panel Size	Model		-	PMSMA	PMSMA	PMSMA	PMSMA
	Net Weight		kg	3.5	3.5	3.5	3.5
	Shipping Weight		kg	6.2	6.2	6.2	6.2
	Net Dimensions (WxHxD)		mm	670x35x670	670x35x670	670x35x670	670x35x670
	Shipping Dimensions (WxHxD)		mm	717x93x717	717x93x717	717x93x717	717x93x717
Standard	Filter / Safety Grille		-	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille
Accessories	Drain Pump (Pumping speed / lift)		l/h / mm	24/750	24/750	24/750	24/750

### Notes

\*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m

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

\*3) Mode - HP: Heat Pump, HR: Heat Recovery

\*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.  
- Specifications are subject to change without prior notice for product improvement.



# 4Way Cassette

With the air coming out from four different places, the 4Way Cassette type indoor units provide conditioned air to every corner of the space.

-  WIDE BLADE
-  CEILING SOILING PREVENTION
-  HIGH LIFT-UP DRAIN PUMP
-  FRESH AIR INTAKE
-  SUB DUCT
-  QUICK CONNECTION OF DRAIN PIPE



## Stylish Panel Design

The stylish panel is well harmonized with any interior design.



## Optional Accessories

- Individual Controllers

 MWR-WE00

 MWR-WS00

 MWR-TH01

 MWR-SH00

 MR-CH01
- Panel

 P4SMA

- Line-Up

15K Btu/h  
4.5 kW

18K Btu/h  
5.6 kW

24K Btu/h  
7.1 kW

30K Btu/h  
9.0 kW

36K Btu/h  
11.2 kW

44K Btu/h  
12.8 kW

48K Btu/h  
14.0 kW

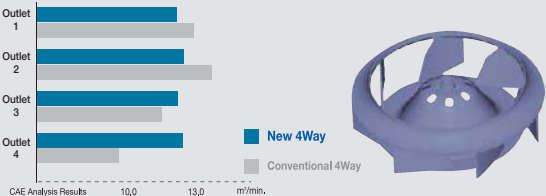
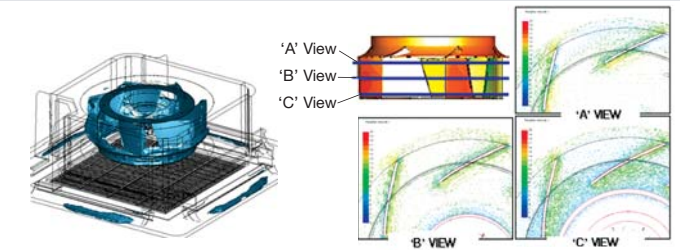
## New Turbo Fan

### Quiet Operation

Imagine a room of cool calmness. The aerodynamically designed 'Turbo Fan' minimizes noise from the turbulence of blade movement. Therefore noise is less than conventional models.

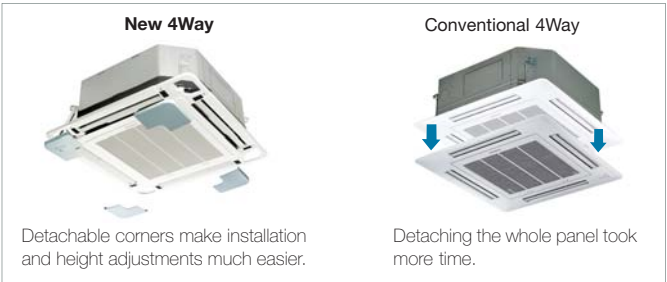
### Uniform Distribution

The new 'Turbo Fan' with wide blades provides extreme cooling and heating power from 4 separate outlets so the entire room gets cool or warm faster. Now, every nook and cranny is comfortable.



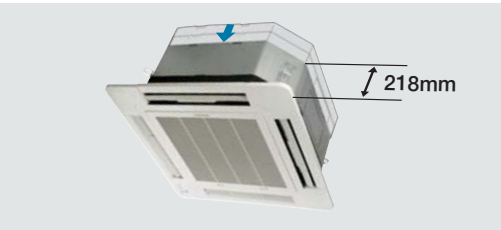
## Easy Leveling

Each corner portion of the panel is detachable, which gives easier access to adjust the height, therefore leveling and installation is much easier and quicker than before.



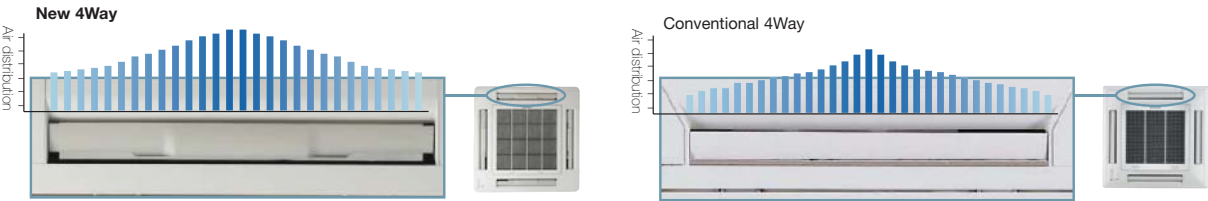
## Compact Size

The 4Way cassette type unit has gotten even slimmer. Now only 218mm thick (4.5/5.6/7.1/9.0kW), 24% slimmer compare to competitor's 288mm (9.0kW). It's still the industry leader in compactness and is even easier to install in tight spaces.



## Efficient Cooling

3-dimensional shaped blade, which has the world wide patent, is able to spread cool or warm air further and evenly to all corners of the space.



Specification | 4Way Cassette

Model				AVXC4H045EE	AVXC4H056EE	AVXC4H071EE	AVXC4H090EE
Performance	Capacity	Cooling <sup>*1)</sup>	kW	4.5	5.6	7.1	9.0
			Btu/h	15,300	19,100	24,200	30,700
		Heating <sup>*2)</sup>	kW	5.0	6.3	8.0	10.0
			Btu/h	17,000	21,400	27,200	34,100
Power	Input		W	40	40	45	50
	Running Current		A	0.19	0.19	0.21	0.23
Power Supply			Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	34/29	34/29	36/30	39/32
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Airflow Rate	Cooling (High)		m³/min	14.5	14.5	17.0	19.5
	Heating (High)		m³/min	16.5	16.5	18.5	21.5
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control Method		-	EEV	EEV	EEV	EEV
Piping	Liquid (Flare)		Ø,mm	6.35	6.35	9.52	9.52
Connections	Gas (Flare)		Ø,mm	12.70	12.70	15.88	15.88
	Drain (Quick Lock)		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Weight	Net Weight		kg	25.0	25.0	25.0	25.0
	Shipping Weight		kg	31.0	31.0	31.0	31.0
Set Size	Net Dimensions (WxHxD)		mm	840x218x840	840x218x840	840x218x840	840x218x840
	Shipping Dimensions (WxHxD)		mm	926x280x926	926x280x926	926x280x926	926x280x926
Panel Size	Model		-	P4SMA	P4SMA	P4SMA	P4SMA
	Net Weight		kg	7.0	7.0	7.0	7.0
	Shipping Weight		kg	10.3	10.3	10.3	10.3
	Net Dimensions (WxHxD)		mm	950x35x950	950x35x950	950x35x950	950x35x950
	Shipping Dimensions (WxHxD)		mm	1,042x103x1,042	1,042x103x1,042	1,042x103x1,042	1,042x103x1,042
Standard	Filter / Safety Grille		-	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille
Accessories	Drain Pump (Pumping speed / lift)		l/h / mm	24/750	24/750	24/750	24/750

Notes

\*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m

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

\*3) Mode - HP: Heat Pump, HR: Heat Recovery

\*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

- Specifications are subject to change without prior notice for product improvement.



Model				AVXC4H112EE	AVXC4H128EE	AVXC4H140EE
Performance	Capacity	Cooling <sup>*1)</sup>	kW	11.2	12.8	14.0
			Btu/h	38,200	43,600	47,700
		Heating <sup>*2)</sup>	kW	12.5	13.8	16.0
			Btu/h	42,600	47,000	54,500
Power	Input		W	50	65	80
	Running Current		A	0.23	0.30	0.36
Power Supply			Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	40 / 33	41 / 35	45 / 38
Fan	Type		-	Turbo Fan	Turbo Fan	Turbo Fan
Airflow Rate	Cooling (High)		m³/min	23.0	25.0	26.5
	Heating (High)		m³/min	26.5	29.5	32.0
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV	EEV	EEV
Piping	Liquid (Flare)		Ø,mm	9.52	9.52	9.52
Connections	Gas (Flare)		Ø,mm	15.88	15.88	15.88
	Drain (Quick Lock)		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Weight	Net Weight		kg	29.0	29.0	29.0
	Shipping Weight		kg	35.0	35.0	35.0
Set Size	Net Dimensions (WxHxD)		mm	840x298x840	840x298x840	840x298x840
	Shipping Dimensions (WxHxD)		mm	926x360x926	926x360x926	926x360x926
Panel Size	Model		-	P4SMA	P4SMA	P4SMA
	Net Weight		kg	7.0	7.0	7.0
	Shipping Weight		kg	10.3	10.3	10.3
	Net Dimensions (WxHxD)		mm	950x35x950	950x35x950	950x35x950
	Shipping Dimensions (WxHxD)		mm	1,042x103x1,042	1,042x103x1,042	1,042x103x1,042
Standard	Filter / Safety Grille		-	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille
Accessories	Drain Pump (Pumping speed / lift)		l/h / mm	24/750	24/750	24/750

Notes

\*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m

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

\*3) Mode - HP: Heat Pump, HR: Heat Recovery

\*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

- Specifications are subject to change without prior notice for product improvement.



# Duct type Air conditioners

Samsung's duct type air conditioners have a wide range of line up, with a slim size that offers a flexible installation option and the smart pressure control system which gives quiet operation.



## Duct Type Line-Up



Slim Duct



MSP Duct

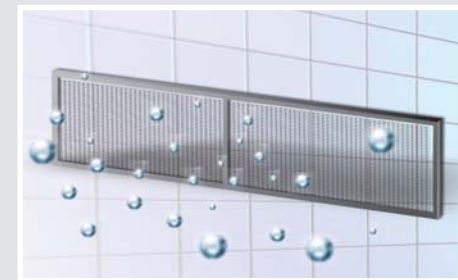
## Clean Filter System

The anti-bacteria filter and the filter cleaning indicator provide you with cleaner, healthier air. You deserve to breathe fresh air everyday.



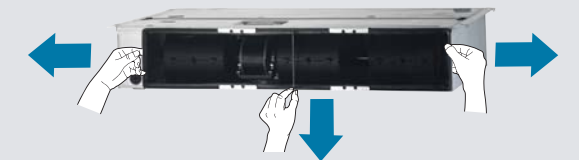
### Anti-bacteria Filter

The anti-bacteria filter not only traps dust particles, but suppresses proliferation of molds and bacteria.



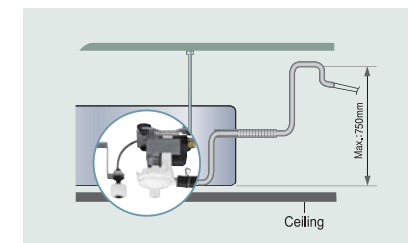
### Easy Filter Cleaning

After 1,000 hours of operation the filter clean indicator will inform you that the filter should be cleaned. The filter can be easily removed from the bottom, left, or right of the unit. (1,000 hours is the default set time, which can be adjusted to 2,000 hours on the internal PCB.)



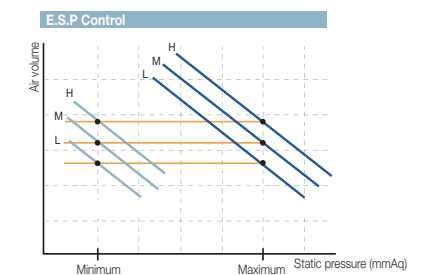
### High Lift-up Drain Pump (optional)

The lift-up drain pump lifts condensed water up to 750mm, compared to the competitor's 700mm, allowing for flexible and convenient installation.



### Smart Pressure Control

The Smart Pressure Control System adjusts fan speed according to E.S.P(External Static Pressure), so the air conditioner always gives you consistent cooling and heating power regardless of the surrounding environment.





# Slim Duct

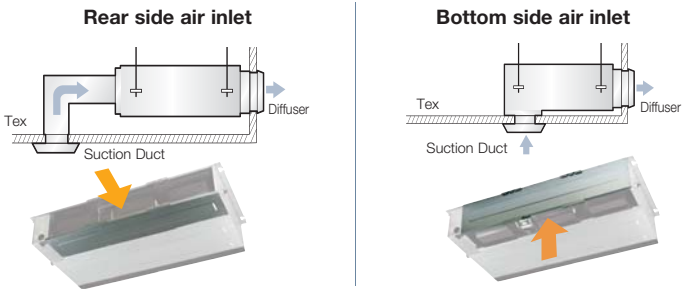
Slim duct type indoor units with industry leading compact size gives flexible installation and easier maintenance options.

-  ANTI-BACTERIA FILTER
-  EASY FILTER CLEANING
-  HIGH LIFT-UP DRAIN PUMP
-  SMART PRESSURE CONTROL



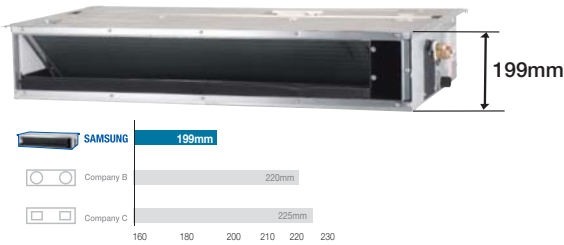
## Flexible Installation

The air inlet can be set up on either the bottom or rear of the unit, so there is more flexibility in installation.



## Slim Design

Only 199mm thick, this slim design makes installation, maintenance and repair easy.



## Easy to Maintain

Parts are easily accessible by simply opening the bottom panel, which reduces time and maintenance costs.



### Optional Accessories

Individual Controllers



MWR-WE00



MWR-WS00



MWR-TH01



MWR-SH00



MR-CH01

Drain Pump



MDP-E075SEE / MDP-E075SEE1

### Line-Up

7K Btu/h 2.2 kW	9K Btu/h 2.8 kW	12K Btu/h 3.6 kW	15K Btu/h 4.5 kW	18K Btu/h 5.6 kW	24K Btu/h 7.1 kW	30K Btu/h 9.0 kW	36K Btu/h 11.2 kW	44K Btu/h 12.8 kW	48K Btu/h 14.0 kW
									

## Specification | Slim Duct



Model				AVXDSH022EE	AVXDSH028EE	AVXDSH036EE
Performance Capacity	Cooling <sup>*1)</sup>	kW		2.2	2.8	3.6
		Btu/h		7,500	9,500	12,200
	Heating <sup>*2)</sup>	kW		2.5	3.2	4.0
		Btu/h		8,500	10,900	13,600
Power	Input	W		80	80	80
	Running Current	A		0.40	0.40	0.40
Power Supply		Ø/V/Hz		1/220~240/50	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>		-		HP/HR	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	31 / 26	32 / 27	32 / 27
Fan	Type		-	Sirocco Fan	Sirocco Fan	Sirocco Fan
Airflow Rate	Cooling (High)		m³/min	8.0	9.0	10.0
	Heating (High)		m³/min	9.0	10.0	12.0
	External Static Pressure	Standard(Min.~Max.)	mmAq	2 (0~4)	2 (0~4)	2 (0~4)
Refrigerant	Type		-	R410A	R410A	R410A
	Control Method		-	EEV	EEV	EEV
Piping	Liquid (Flare)		Ø,mm	6.35	6.35	6.35
Connections	Gas (Flare)		Ø,mm	12.70	12.70	12.70
	Drain		Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Weight	Net Weight		kg	26.0	26.0	26.0
	Shipping Weight		kg	31.0	31.0	31.0
Set Size	Net Dimensions (WxHxD)		mm	900x199x600	900x199x600	900x199x600
	Shipping Dimensions (WxHxD)		mm	1,133x333x722	1,133x333x722	1,133x333x722
Standard	Filter /		-	Filter	Filter	Filter
Accessories	Safety Grille			(Washable)	(Washable)	(Washable)
Optional	Duct Receiver Kits Receiver		-	MRK-A00	MRK-A00	MRK-A00
Accessories	Receiver Wire		-	MRW-10A	MRW-10A	MRW-10A
	Drain Pump		-	MDP-E075SEE	MDP-E075SEE	MDP-E075SEE

### Notes

- \*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

Specification | Slim Duct

Model			AVXDSH045EE	AVXDSH056EE	AVXDSH071EE
Performance Capacity	Cooling <sup>*1)</sup>	kW	4.5	5.6	7.1
		Btu/h	15,300	19,100	24,200
	Heating <sup>*2)</sup>	kW	5.0	6.3	8.0
		Btu/h	17,000	21,400	27,200
Power	Input	W	90	100	120
	Running Current	A	0.60	0.60	0.60
Power Supply		Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>		-	HP/HR	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>	dB(A)	33 / 30	33 / 30	36 / 32
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan
Airflow Rate	Cooling (High)	m³/min	14.5	15.5	16.5
	Heating (High)	m³/min	16.5	18.0	20.0
	External Static Pressure    Standard(Min.-Max.)	mmAq	2 (0~4)	2 (0~4)	2 (0~4)
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	EEV	EEV	EEV
Piping	Liquid (Flare)	Ø,mm	6.35	6.35	9.52
Connections	Gas (Flare)	Ø,mm	12.70	12.70	15.88
	Drain	Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Weight	Net Weight	kg	31.0	31.0	31.0
	Shipping Weight	kg	39.0	39.0	39.0
Set Size	Net Dimensions (WxHxD)	mm	1,100x199x600	1,100x199x600	1,100x199x600
	Shipping Dimensions (WxHxD)	mm	1,330x330x730	1,330x330x730	1,330x330x730
Standard	Filter /	-	Filter	Filter	Filter
Accessories	Safety Grille	-	(Washable)	(Washable)	(Washable)
Optional	Duct Receiver Kits Receiver	-	MRK-A00	MRK-A00	MRK-A00
Accessories	Receiver Wire	-	MRW-10A	MRW-10A	MRW-10A
	Drain Pump	-	MDP-E075SEE	MDP-E075SEE	MDP-E075SEE

Notes

- \*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.






Model			AVXDSH090EE	AVXDSH112EE	AVXDSH128EE	AVXDSH140EE
Performance Capacity	Cooling <sup>*1)</sup>	kW	9.0	11.2	12.8	14.0
		Btu/h	30,700	38,200	43,600	47,700
	Heating <sup>*2)</sup>	kW	10.0	12.5	13.8	16.0
		Btu/h	34,100	42,600	47,000	54,500
Power	Input	W	170	170	200	220
	Running Current	A	0.96	0.96	1.13	1.24
Power Supply		Ø/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>		-	HP/HR	HP/HR	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>	dB(A)	40 / 36	40 / 36	41 / 38	41 / 38
Fan	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
Airflow Rate	Cooling (High)	m³/min	29.0	31.2	34.0	36.0
	Heating (High)	m³/min	34.0	34.0	36.0	38.0
	External Static Pressure    Standard(Min.-Max.)	mmAq	3 (0-6)	3 (0~6)	3 (0~6)	3 (0~6)
Refrigerant	Type	-	R410A	R410A	R410A	R410A
	Control Method	-	EEV	EEV	EEV	EEV
Piping	Liquid (Flare)	Ø,mm	9.52	9.52	9.52	9.52
Connections	Gas (Flare)	Ø,mm	15.88	15.88	15.88	15.88
	Drain	Ø,mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Weight	Net Weight	kg	43.0	43.0	46.0	46.0
	Shipping Weight	kg	51.5	51.5	54.5	54.5
Set Size	Net Dimensions (WxHxD)	mm	1,300x295x690	1,300x295x690	1,300x295x690	1,300x295x690
	Shipping Dimensions (WxHxD)	mm	1,600x444x831	1,600x444x831	1,600x444x831	1,600x444x831
Standard	Filter /	-	Filter	Filter	Filter	Filter
Accessories	Safety Grille	-	(Washable)	(Washable)	(Washable)	(Washable)
Optional	Duct Receiver Kits Receiver	-	MRK-A00	MRK-A00	MRK-A00	MRK-A00
Accessories	Receiver Wire	-	MRW-10A	MRW-10A	MRW-10A	MRW-10A
	Drain Pump	-	MDP-E075SEE1	MDP-E075SEE1	MDP-E075SEE1	MDP-E075SEE1

Notes

- \*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
- Specifications are subject to change without prior notice for product improvement.

# MSP Duct

Flexible installation options offer a variety of solutions for different shapes of room, and the smart pressure control system provides quiet operation.

-  ANTI-BACTERIA FILTER
-  EASY FILTER CLEANING
-  HIGH LIFT-UP DRAIN PUMP
-  SMART PRESSURE CONTROL
-  WIRED REMOTE CONTROLLER



## Silent Operation with the static pressure control

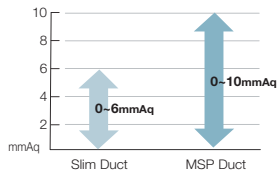
The external static pressure control makes it easy to design duct work to ensure efficiency and silent operation.

### Narrow Width (5.6/7.1kW)



※ Width measured without control box.

### Middle Static Pressure



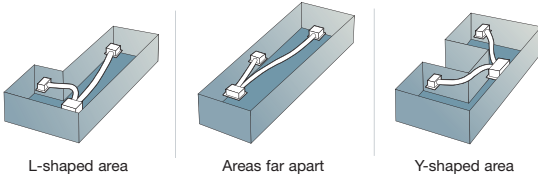
## Easy to Maintain

Reduce time and maintenance costs by keeping parts easily accessible.



## Flexible Installation

Samsung's MSP Duct air conditioners offer different solutions for any shape room allowing for specific airflow requirements.



### Optional Accessories

Individual Controllers



MWR-WE00



MWR-WS00



MWR-TH01



MWR-SH00



MR-CH01

Drain Pump



MDP-M075SGU1 / MDP-M075SGU2 / MDP-M075SGU3

### Line-Up

18K Btu/h  
5.6 kW



24K Btu/h  
7.1 kW



30K Btu/h  
9.0 kW



36K Btu/h  
11.2 kW



44K Btu/h  
12.8 kW



48K Btu/h  
14.0 kW



## Specification | MSP Duct



Model				AVXDUH056EE	AVXDUH071EE
Performance Capacity	Cooling <sup>*1)</sup>	kW		5.6	7.1
		Btu/h		19,100	24,200
	Heating <sup>*2)</sup>	kW		6.3	8.0
		Btu/h		21,400	27,200
Power	Input	W		130	190
	Running Current	A		1.10	1.25
Power Supply		Ø/V/Hz		1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>		-		HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>	dB(A)		37 / 33	39 / 35
Fan	Type	-		Sirocco Fan	Sirocco Fan
Airflow Rate	Cooling (High)	m³/min		14.5	18.5
	Heating (High)	m³/min		15.5	20.0
	External Static Pressure Standard (Min.~Max.)	mmAq		4 (0~6)	4 (0~6)
Refrigerant	Type	-		R410A	R410A
	Control Method	-		EEV	EEV
Piping	Liquid (Flare)	Ø,mm		6.35	9.52
Connections	Gas (Flare)	Ø,mm		12.70	15.88
	Drain	Ø,mm		VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Weight	Net Weight	kg		31.0	31.0
	Shipping Weight	kg		36.0	36.0
Set Size	Net Dimensions (WxHxD)	mm		900x260x480	900x260x480
	Shipping Dimensions (WxHxD)	mm		1,146x345x584	1,146x345x584
Standard	Filter /	-		Filter	Filter
Accessories	Safety Grille	-		(Washable)	(Washable)
Optional	Duct Receiver Kits Receiver	-		MRK-A00	MRK-A00
Accessories	Receiver Wire	-		MRW-10A	MRW-10A
	Drain Pump	-		MDP-M075SGU3	MDP-M075SGU3

#### Notes

\*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m

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

\*3) Mode - HP: Heat Pump, HR: Heat Recovery

\*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

- Specifications are subject to change without prior notice for product improvement.



Specification | MSP Duct



Model			AVXDUH090EE	AVXDUH112EE
Performance Capacity	Cooling <sup>*1)</sup>	kW	9.0	11.2
		Btu/h	30,700	38,200
	Heating <sup>*2)</sup>	kW	10.0	12.5
		Btu/h	34,100	42,600
Power	Input	W	240	260
	Running Current	A	1.30	1.17
Power Supply		Ø/V/Hz	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>		-	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	39 / 35
Fan	Type		-	Sirocco Fan
Airflow Rate	Cooling (High)		m³/min	19.5
	Heating (High)		m³/min	21.5
	External Static Pressure	Standard(Min.-Max.)	mmAq	6 (4~8)
Refrigerant	Type		-	R410A
	Control Method		-	EEV
Piping	Liquid (Flare)		Ø,mm	9.52
Connections	Gas (Flare)		Ø,mm	15.88
	Drain		Ø,mm	VP25 (OD 32,ID 25)
Weight	Net Weight		kg	35.0
	Shipping Weight		kg	41.0
Set Size	Net Dimensions (WxHxD)		mm	1,150x260x480
	Shipping Dimensions (WxHxD)		mm	1,390x345x584
Standard	Filter /		-	Filter
Accessories	Safety Grille		-	(Washable)
Optional	Duct Receiver Kits Receiver		-	MRK-A00
Accessories	Receiver Wire		-	MRW-10A
	Drain Pump		-	MDP-M075SGU1

Notes

- \*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
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Model			AVXDUH128EE	AVXDUH140EE
Performance Capacity	Cooling <sup>*1)</sup>	kW	12.8	14.0
		Btu/h	43,600	47,700
	Heating <sup>*2)</sup>	kW	13.8	16.0
		Btu/h	47,000	54,500
Power	Input	W	370	410
	Running Current	A	1.67	1.86
Power Supply		Ø/V/Hz	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>		-	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	39 / 35
Fan	Type		-	Sirocco Fan
Airflow Rate	Cooling (High)		m³/min	32.0
	Heating (High)		m³/min	31.0
	External Static Pressure	Standard(Min.-Max.)	mmAq	8 (6~10)
Refrigerant	Type		-	R410A
	Control Method		-	EEV
Piping	Liquid (Flare)		Ø,mm	9.52
Connections	Gas (Flare)		Ø,mm	15.88
	Drain		Ø,mm	VP25 (OD 32,ID 25)
Weight	Net Weight		kg	52.0
	Shipping Weight		kg	60.0
Set Size	Net Dimensions (WxHxD)		mm	1,200x360x650
	Shipping Dimensions (WxHxD)		mm	1,447x425x769
Standard	Filter /		-	Filter
Accessories	Safety Grille		-	(Washable)
Optional	Duct Receiver Kits Receiver		-	MRK-A00
Accessories	Receiver Wire		-	MRW-10A
	Drain Pump		-	MDP-M075SGU2

Notes

- \*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery
- \*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.
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# Floor & Convertible type Air conditioners

Unique features and uniquely designed indoor units allow more installation options for efficient operation and convenient installation.



## Floor & Convertible Type Line-Up



Console



Ceiling



### Interior Design

Now with more flexibility in placement, the air conditioner can add a stylish element to your room.



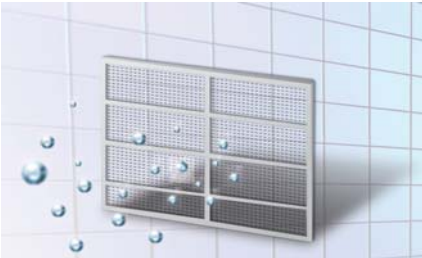
### Silent Mode

Indoor units operate quietly with the least possible noise.



### Anti-bacteria Filter

The anti-bacteria filter not only traps dust particles, but suppresses proliferation of molds and bacteria.



### Light Weight Unit

This extremely lightweight design makes maintenance and installation easy.



### Flexible Pipe Installation

The drain pipe can be installed in 6 different places, so you have more options in where to place your air conditioner.



# Console

Unique design with the two air outlets on top and bottom side of the indoor unit provide more efficient cooling and heating.

-  **INTERIOR DESIGN**
-  **ANTI-BACTERIA FILTER**
-  **LIGHT WEIGHT UNIT**
-  **SILENT MODE**
-  **FLEXIBLE PIPE INSTALLATION**
-  **WIRELESS REMOTE CONTROL**



### Optional Accessories

- Individual Controllers**
-  **MWR-WE00**
-  **MWR-WS00**
-  **MWR-TH01**
-  **MWR-SH00**

### Standard Accessories

- Wireless Remote Controllers**
-  **(2.8/3.6kW)**
-  **(5.6kW)**

### Line-Up

-  **9K Btu/h  
2.8 kW**
-  **12K Btu/h  
3.6 kW**
-  **18K Btu/h  
5.6 kW**

## Elegant Design

### Slim & Smart Design

This extremely slim design with Clean Panel adds aesthetic value to any interior.

#### Slim Design

It can't get any slimmer. This newly introduced console type air conditioner is only 199mm thick, the slimmest on the market. Its slim design easily integrates the unit into your decor.



#### Clean Panel

Stay clean with the smartly designed Clean Panel. This unique panel keeps dust from being accumulated so the unit and the room stays cleaner.



#### Black Display

Functional art, the touch screen display is elegant while it maximizes the convenience of control.



### 2Way air outlets

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



### Silent Operation (23dB)

The silent, yet powerful and efficient cooling and heating system keeps things more comfortable. Silent mode is available in 4 different operating modes: High / Medium / Low / Silence.







Specification | Console

Model				AVXTJH028EE	AVXTJH036EE
Performance	Capacity	Cooling <sup>*1)</sup>	kW	2.8	3.6
			Btu/h	9,500	12,200
		Heating <sup>*2)</sup>	kW	3.2	4.0
			Btu/h	10,900	13,600
Power	Input	W		30	35
	Running Current	A		0.25	0.29
Power Supply			Ø/V/Hz	1/220~240/50	1/220~240/50
Mode <sup>*3)</sup>			-	HP/HR	HP/HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	38 / 23	39 / 24
Fan	Type		-	Turbo Fan	Turbo Fan
Airflow Rate	Cooling (High)		m³/min	7.0	8.5
	Heating (High)		m³/min	7.2	9.0
Refrigerant	Type		-	R410A	R410A
	Control Method		-	EEV	EEV
Piping	Liquid (Flare)		Ø,mm	6.35	6.35
Connections	Gas (Flare)		Ø,mm	12.70	12.70
	Drain (Quick Lock)		Ø,mm	ID 18 hose	ID 18 hose
Weight	Net Weight		kg	15.2	15.2
	Shipping Weight		kg	20.3	20.3
Set Size	Net Dimensions (WxHxD)		mm	720x620x199	720x620x199
	Shipping Dimensions (WxHxD)		mm	810x710x295	810x710x295
Standard	Filter / Safety Grille		-	Filter (Washable)	Filter (Washable)
Accessories	Wireless Remote Controller		-	ARH-1378	ARH-1378

Notes

- \*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery

\*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

- Specifications are subject to change without prior notice for product improvement.



Model				AVXTJH056E*
Performance	Capacity	Cooling <sup>*1)</sup>	kW	5.6
			Btu/h	19,100
		Heating <sup>*2)</sup>	kW	6.3
			Btu/h	21,400
Power	Input	W		62
	Running Current	A		0.49
Power Supply			Ø/V/Hz	1/220-240/50
Mode <sup>*3)</sup>			-	HP / HR
Sound	Sound Pressure (High/Low) <sup>*4)</sup>		dB(A)	44/25
Fan	Type		-	Turbo Fan
Airflow Rate	Cooling (High)		m³/min	13.0
	Heating (High)		m³/min	13.5
Refrigerant	Type		-	R410A
	Control Method		-	EEV
Piping	Liquid (Flare)		Ø,mm	6.35
Connections	Gas (Flare)		Ø,mm	12.70
	Drain (Quick Lock)		Ø,mm	ID 18 hose
Weight	Net Weight		kg	15.2
	Shipping Weight		kg	20.3
Set Size	Net Dimensions (WxHxD)		mm	720x620x199
	Shipping Dimensions (WxHxD)		mm	810x710x295
Standard	Filter / Safety Grille		-	Filter (Washable)
Accessories	Wireless Remote Controller		-	ARH-2208

Notes

- \*1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 35°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
- \*3) Mode - HP: Heat Pump, HR: Heat Recovery

\*4) Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.

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