



2011 SAMSUNG SYSTEM AIR CONDITIONERS SPEC BOOK - Middle East Area

Lineup & Specification

for Middle East Area



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Samsung Electronics Co., LTD.
Head Office (Suwon Korea) 416,
Maetan-3Dong, Yeongtong-Gu,
Suwon City, Gyeonggi-Do,
Korea 443-742

www.samsung.com



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ver. 0.2011.4



2011 SAMSUNG AIR CONDITIONER

ICONS

open



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FJM Lineup & Feature - Outdoor Units



Free Joint Multi Features

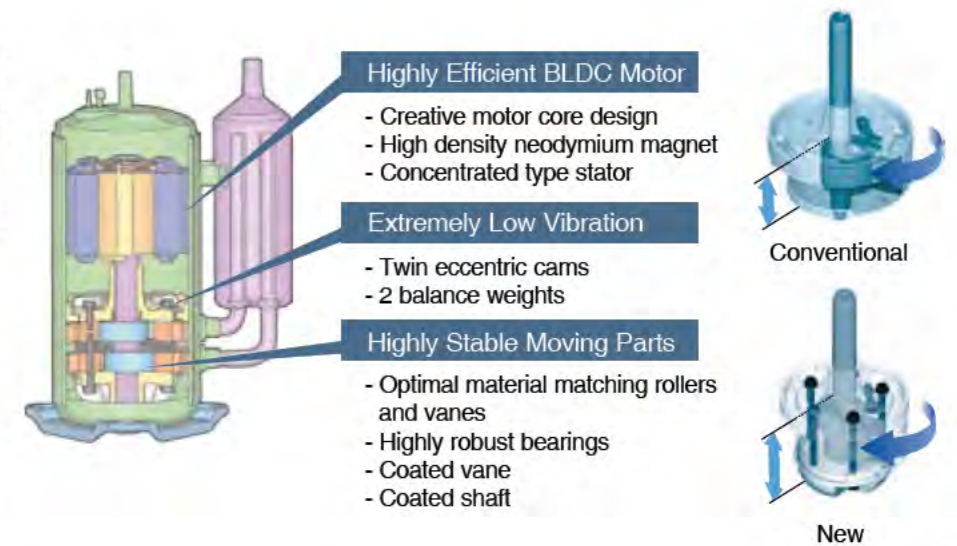
One Outdoor Unit, Multiple Indoor Units

One outdoor unit supports up to 4 indoor units, forming systems that are ideal for large residential areas.



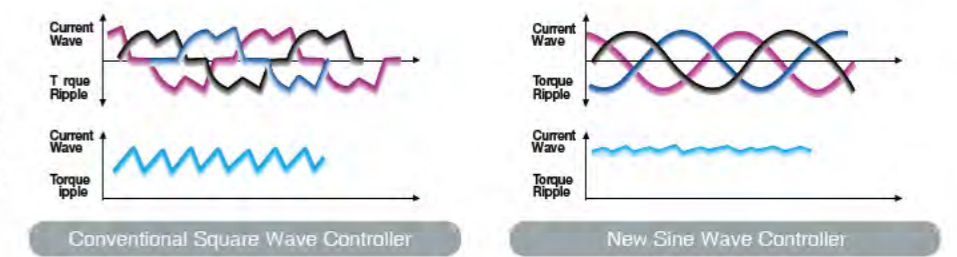
Twin BLDC Compressor

FJM outdoor units have applied Twin BLDC compressor with highly stable moving parts which reduce torque variation by 70% compared to the conventional single BLDC compressor.






Sine Wave Controller

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










FJM Lineup & Feature - Indoor Units
















Cassette

MODEL		
CAPACITY	2.6	•
	3.0	•
	3.5	•
	5.2	•
FEATURES		
 Wide Blade		•
 Ceiling Soiling Prevention		•
 High Lift-Up Drain Pump	•	•
 Quick Connection of Drain Pipe	•	•








Duct

MODEL		
CAPACITY	2.6	•
	3.5	•
	5.2	•
	6.8	•
FEATURES		
 Anti-Bacteria Filter	•	•
 Easy Filter Cleaning	•	•
 High Lift-Up Drain Pump	•	•
 Smart Pressure Control	•	•
 Wired Remote Controller	•	•

Wall-mounted

MODEL		
CAPACITY	2.0	•
	2.6	•
	3.5	•
	5.2	•
	6.8	•
FEATURES		
 S-Plasma ion	•	
 Full HD Filter	•	•
 DNA Filter		•
 Deodorizing	•	
 Catechin Filter	•	
 Smart Inverter	•	•
 Smart Saver	•	
 d'light Cool	•	
 good'sleep	•	•
 Wide Twin Blade		
 3D Wind		
 Turbo Cooling	•	•
 Wireless Remote Controller	•	•

Console

MODEL	
CAPACITY	2.6
	3.5
	5.2
FEATURES	
 S-Plasma ion	•
 Interior Design	•
 Anti-Bacteria Filter	•
 Light weight	•
 Flexible Pipe Installation	•
 Wireless Remote Controller	•

FJM Specification - Outdoor Units



Free Joint Multi

- One Outdoor Unit, Multiple Indoor Units
- Universal Indoor Units
- Twin BLDC Compressor
- Sine Wave Controller
- Sound Insulator for the Compressor
- Easy Installation

Model Name	MH040FXEA2C MH040FXEA2CSTK	MH050FXEA2C MH050FXEA2CSTK	MH060FXEA3B MH060FXEA3BSTK	MH070FXEA4B MH070FXEA4BSTK	MH080FXEA4B MH080FXEA4BSTK			
Max number of connectable indoor units	2	2	3	4	4			
Performance	Horse Power	HP	1.5	1.8	2.0	2.5		
		kW	3.9	5.0	5.9	7.0	8.0	
	Capacity	Cooling	Btu/h	13,307	17,060	20,131	23,884	
		Heating	kW	4.4	5.7	6.3	8.6	9.3
Sound	Sound Pressure (Cooling / Heating)	dB(A)	48/49	49/51	50/51	51/52	52/52	
		Running Current	A	5.2	6.1	7.3	8.7	10.5
Power	Nominal Input	Cooling	W	1,140	1,390	1,600	1,900	2,300
		Heating	W	1,120	1,400	1,400	2,000	2,200
	Circuit Breaker (MCCB / ELB)	A	9.0	13.5	14.5	16.6	16.6	
		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	-	Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump		
Compressor	Type	-	TWIN BLDC INV.	TWIN BLDC INV.	TWIN BLDC INV.	TWIN BLDC INV.		
	Piston Displacement	cc / Rev	19.52	19.52	19.52	25.18	25.18	
	Output	kW	5.86	5.86	5.86	7.77	7.77	
	Lubricant	Type	-	POE	POE	POE	POE	
Refrigerant	Charging	cc	700	700	700	700		
	Type	-	R410A	R410A	R410A	R410A		
	Factory Charging	kg	1.3	2.0	2.2	2.8	2.8	
Fan	Type	-	Propeller	Propeller	Propeller	Propeller		
	Output	W	25	40	130	130		
	Air Flow Rate	m ³ / min	25.4	32.9	41	44.8	45.4	
Set Size	Net Weight	kg	41	53	59	65	65	
	Shipping Weight	kg	44	57	63	70	70	
	Net Dimensions (WxHxD)	mm	790X548X285	880X638X310	880X798X310	880X798X310	880X798X310	
	Shipping Dimensions (WxDxH)	mm	926X630X382	1,023X695X413	1,023X889X413	1,023X889X413	1,023X889X413	
Piping Connections	Liquid Pipe (Flare)	Ø, mm	1/4X2	1/4X2	1/4X3	1/4X4		
	Gas Pipe (Flare)	Ø, mm	3/8X2	3/8X1+1/2X1	3/8X2+1/2X1	3/8X2+1/2X2		
	Installation Limitation	Max. Length	m	30	30	45	70	
		Max. Height	m	15	15	15	15	
Operating Temp. Range	Cooling	°C	-5-43	-5-43	-5-43	-5-43		
	Heating	°C	-15-24	-15-24	-15-24	-15-24		

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

FJM Specification - Indoor Units



Mini 4Way Cassette

- Ideal Compact Size
- Fan Speed Adjustment



Model	MH030FMEA MH030FMEASTK	MH035FMEA MH035FMEASTK	MH052FMEA MH052FMEASTK			
Performance	Cooling	3.0	3.5	5.2		
		Btu/h	10,200	11,900	17,700	
Performance	Heating	3.4	3.8	5.6		
		Btu/h	11,600	12,900	19,100	
Sound	Sound Pressure (High / Low)	30/25	34/27	41/33		
Power	Fan	Type	Turb Fa	Turbo Fan	Turbo Fan	
		Airflow Rate (Cool / Heat)	m ³ / min	10.8/11.7	10.8/11.7	12.1/13.6
	Running Current	Cooling / Heating	A	0.37/0.37	0.37/0.37	0.52/0.52
	Power Input	Cooling / Heating	W	85/85	85/85	120/120
Power Supply	Ø / V / Hz	1/220-240/50	1/220-240/50	1/220-240/50		
Mode		Heat Pump	Heat Pump	Heat Pump		
Piping	Connecting Pipe	Liquid (Flare)	Ø, mm	6.35	6.35	6.35
		Gas (Flare)	Ø, mm	9.52	9.52	12.70
	Drain	Ø, mm	VP 25 (OD 32, ID 25)	VP 25 (OD 32, ID 25)	VP 25 (OD 32, ID 25)	
Set Size	Net Weight	kg	17.0	17.0	17.0	
	Shipping Weight	kg	20.0	20.0	20.0	
	Net Dimensions (WxHxD)	mm	575x260x575	575x260x575	575x260x575	
	Shipping Dimensions (WxHxD)	mm	660x310x635	660x310x635	660x310x635	
Accessories	Panel	-	PMSMA (Optional)	PMSMA (Optional)	PMSMA (Optional)	
	Drain Pump	-	Built-in	Built-in	Built-in	

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Optional Accessories



Slim 1Way Cassette

- Slim and Compact Design
- Quiet Operation
- No Overflowing Drain Water



Model	MH026FSEA MH026FSEASTK	MH035FSEA MH035FSEASTK			
Performance	Cooling	2.6	3.5		
		Btu/h	8,871	11,942	
Performance	Heating	2.9	3.8		
		Btu/h	9,895	12,966	
Sound	Sound Pressure (High / Low)	30/25	32/27		
Power	Fan	Type	Turbo F n	Turbo Fan	
		Airflow Rate (Cool / Heat)	m ³ / min	6.2/7.5	7.6/8.2
	Running Current	Cooling / Heating	A	0.23	0.25
	Power Input	Cooling / Heating	W	45	50
Power Supply	Ø / V / Hz	1/220-240 50	1/220-240/50		
Mode		Heat Pump	Heat Pump		
Piping	Connecting Pipe	Liquid (Flare)	Ø, mm	6.35	6.35
		Gas (Flare)	Ø, mm	9.52	9.52
	Drain	Ø, mm	VP20(OD 25, ID 20)	VP20(OD 25, ID 20)	
Set Size	Net Weight	kg	1.5	10.5	
	Shipping Weight	kg	13.5	13.5	
	Net Dimensions (WxHxD)	mm	970x135x410	970x135x410	
	Shipping Dimensions (WxHxD)	mm	1,164x212x478	1,164x212x478	
Accessories	Panel	-	PSSMA (Optional)	PSSMA (Optional)	
	Drain Pump	-	4/750	24/750	

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Optional Accessories



FJM Specification - Indoor Units



Slim Duct

- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain



Model	MH026FEEA MH026FEEASTK	MH035FEEA MH035FEEASTK		
Performance	Cooling	kW 2.6	kW 3.5	
		Btu/h 8,800	Btu/h 11,900	
Performance	Heating	kW 2.9	kW 3.8	
		Btu/h 9,800	Btu/h 13,000	
Sound	Sound Pressure (High / Low)	dB(A) 30/25	dB(A) 32/27	
Power	Fan	Type Sirocco Fan / SSR	Type Sirocco Fan / SSR	
		Airflow Rate (Cool / Heat)	m ³ / min 8.6/9.0	m ³ / min 9.8/10.3
		External Static Pressure (Standard / High)	mmAq 2/4	mmAq 2/4
	Running Current	Cooling / Heating	A 0.4/0.4	A 0.4/0.4
Power Input	Cooling / Heating	W 80/80	W 80/80	
Power Supply		Ø / V / Hz 1/220-240/50	Ø / V / Hz 1/220-240/50	
Mode		- Heat Pump	- Heat Pump	
Piping	Connecting Pipe	Liquid (Flare)	Ø, mm 6.35	Ø, mm 6.35
		Gas (Flare)	Ø, mm 9.52	Ø, mm 9.52
		Drain	Ø, mm VP 25 (OD 32, ID 25)	Ø, mm VP 25 (OD 32, ID 25)
Set Size	Net Weight	kg 26.0	kg 26.0	
	Shipping Weight	kg 31.0	kg 31.0	
	Net Dimensions (WxHxD)	mm 900x199x600	mm 900x199x600	
	Shipping Dimensions (WxHxD)	mm 1,133x333x730	mm 1,133x333x730	
Accessories	Drain Pump	- MDP-E075SEE3	- MDP-E075SEE3	

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Optional Accessories

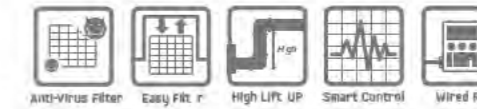


Standard Accessories



MSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



Model	MH052FUEA MH052FUEASTK		
Performance	Cooling	kW 5.2	
		Btu/h 17,742	
Performance	Heating	kW 5.6	
		Btu/h 19,107	
Sound	Sound Pressure (High / Low)	dB(A) 37/33	
Power	Fan	Type Sirocco Fan	
		Airflow Rate (Cool / Heat)	m ³ / min 16.3/15.8
		External Static Pressure (Standard / High)	mmAq 4/6
	Running Current	Cooling / Heating	A 1.04/1.04
Power Input	Cooling / Heating	W 170/170	
Power Supply		Ø / V / Hz 1/220-240/50	
Mode		- Heat Pump	
Piping	Connecting Pipe	Liquid (Flare)	Ø, mm 6.35
		Gas (Flare)	Ø, mm 12.70
		Drain	Ø, mm ID 26.5
Set Size	Net Weight	kg 29.0	
	Shipping Weight	kg 34.0	
	Net Dimensions (WxHxD)	mm 900x260x480	
	Shipping Dimensions (WxHxD)	mm 1,146x363x584	
Accessories	Drain Pump	- MDP-M075SGU3	

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Optional Accessories



Standard Accessories



FJM Specification - Indoor Units



Crystal

- S-Plasma ion
- Full HD Filter
- Deodorizing Filter
- Catechin Filter
- Smart Inverter
- Smart Saver
- good'sleep
- Turbo Cooling
- Filter Cleaning Indicator



Model		MH020FAEA MH020FAEASTK	MH026FAEA MH026FAEASTK	MH035FAEA MH035FAEASTK	MH052FAEA MH052FAEASTK	
Performance	Cooling ¹⁾	kW	2	2.6	3.5	
		Btu/h	6,824	8,871	11,942	
Performance	Heating ²⁾	kW	2.2	2.9	3.8	
		Btu/h	7,506	9,895	12,966	
Sound	Sound Pressure (High / Low) ²⁾	dB(A)	31/21	31/21	35/21	
Power	Fan	Type	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	
		Airflow Rate (Cool / Heat)	m ³ / min	7.9/8.2	9.1/9.3	9.8/10.0
	Running Current	Cooling / Heating	A	0.18/0.18	0.18/0.18	0.19/0.19
	Power Input	Cooling / Heating	W	30/30	30/30	35/35
Power Supply		Ø / V / Hz	1/220-240/50	1/220-240/50	1/220-240/50	
Mode			Heat Pump	Heat Pump	Heat Pump	
Piping	Connecting Pipe	Liquid (Flare)	Ø, mm	6.35	6.35	
		Gas (Flare)	Ø, mm	9.52	9.52	
		Drain	Ø, mm	ID 18	ID 18	
Set Size	Net Weight	kg	9.0	9.0	9.0	
	Shipping Weight	kg	11.0	11.0	11.0	
	Net Dimensions (WxHxD)	mm	820X286X190	820X286X190	820X286X190	
	Shipping Dimensions (WxHxD)	mm	892X355X263	892X355X263	892X355X263	

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MIM-A00

Standard Accessories

- Wireless Remote Controller



FJM Specification - Indoor Units



Neo Forte

- Deodorizing Filter
- Catechin Filter
- Smart Inverter



Model	MH020FNEA		MH026FNEA		MH035FNEA		MH052FNEA	
	MH020FNEASTK		MH026FNEASTK		MH035FNEASTK		MH052FNEASTK	
Performance	Cooling ^①	kW	2	2.6	3.5	5.2		
		Btu/h	6,824	8,871	11,942	17,742		
Performance	Heating ^②	kW	2.2	2.9	3.8	5.6		
		Btu/h	7,506	9,895	12,966	19,107		
Sound	Sound Pressure (High / Low) ^③		dB(A)		32/23		32/23	
Power	Fan	Type	Cross Flow Fan		Cross Flow Fan		Cross Flow Fan	
		Airflow Rate (Cool / Heat)	m ³ / min		7.73/8		8.31/8.56	
	Running Current	Cooling / Heating	A		0.18/0.18		0.19/0.19	
	Power Input	Cooling / Heating	W		30/30		35/35	
Power Supply	Ø / V / Hz		1/220-240/50		1/220-240/50		1/220-240/50	
Mode			Heat Pump		Heat Pump		Heat Pump	
Piping	Connecting Pipe	Liquid (Flare)	Ø, mm		6.35		6.35	
		Gas (Flare)	Ø, mm		9.52		9.52	
		Drain	Ø, mm		ID 18		ID 18	
Set Size	Net Weight		kg		7.8		7.8	
	Shipping Weight		kg		9.4		9.4	
	Net Dimensions (WxHxD)		mm		825X285X189		825X285X189	
	Shipping Dimensions (WxHxD)		mm		900X349X252		900X349X252	

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Optional Accessories

■ Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00

Standard Accessories

■ Wireless Remote Controller



Optional Accessories

■ Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00

Standard Accessories

■ Wireless Remote Controller



26/39W



52W



Console

- Slim & Smart Design
- 2Way Outlets
- Silent Operation




Model	MH026FJEA		MH035FJEA		MH052FJEA	
	MH026FJEASTK		MH035FJEASTK		MH052FJEASTK	
Performance	Cooling ^①	kW	2.6	3.5	5.2	
		Btu/h	8,871	11,942	17,742	
Performance	Heating ^②	kW	2.9	3.8	5.6	
		Btu/h	9,895	12,966	19,107	
Sound	Sound Pressure (High / Low) ^③		dB(A)		28/23	
Power	Fan	Type	Turbo Fan		Turbo Fan	
		Airflow Rate (Cool / Heat)	m ³ / min		9.0/10.5	
	Running Current	Cooling / Heating	A		0.25/0.25	
	Power Input	Cooling / Heating	W		30/30	
Power Supply	Ø / V / Hz		1/220-240/50		1/220-240/50	
Mode			Heat Pump		Heat Pump	
Piping	Connecting Pipe	Liquid (Flare)	Ø, mm		6.35	
		Gas (Flare)	Ø, mm		9.52	
		Drain	Ø, mm		ID 18	
Set Size	Net Weight		kg		15.0	
	Shipping Weight		kg		19.0	
	Net Dimensions (WxHxD)		mm		720x620x199	
	Shipping Dimensions (WxHxD)		mm		810x710x295	


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CAC Lineup & Feature - Indoor Units


Duct - R22 / Cooling Only

MODEL						
MODEL NAME		50Hz		60Hz		
		DC**ETSA DC**ETSX DC**G TSA DC**GTSX	DC**ETSA DC**ETTX DC**G TSA DC**GTTX	DC**BTSA DC**BTSX	DC**FTSX DC**FTSX	DC**HTSA DC**HTSX
CAPACITY (kW)	4.0			●		
	4.5	●				
	6.0	●				
	6.2			●		
	7.3	●	●			
	7.5			●		
	8.8	●	●			
	9.2			●		
	10.5	●	●			
	11.1			●		
	11.7	●	●			
	12.8			●		
	13.5				●	
	15.5	●	●			
	16.1				●	●
18.5	●	●				
FEATURES	Anti-Bacteria Filter	●	●	●	●	●
	Easy Filter Cleaning	●	●	●	●	●
	High Lift-Up Drain Pump	●	●	●	●	●
	Smart Pressure Control	●	●	●	●	●
	Wired Remote Controller	●	●	●	●	●


4Way - R22 / Cooling Only

MODEL					
MODEL NAME		50Hz		60Hz	
		CC**ETVA CC**ETVX	CC**GTVA CC**GTVX	CC**BTVA CC**BTVX	CC**FTVA CC**FTVX
CAPACITY (kW)	5.8	●			
	7.0	●		●	
	9.4			●	
	10.0	●			
	12.0			●	
	12.3		●		
	13.2				●
13.5		●			
FEATURES	High Lift-Up Drain Pump	●	●	●	●
	Quick Connection of Drain Pipe	●	●	●	●

Ceiling - R22 / Cooling Only


MODEL			
MODEL NAME		50Hz	60Hz
		FC**ETVA FC**ETVX	FC**BTVA FC**BTVX
CAPACITY (kW)	5.0		●
	5.1	●	
	6.6	●	
	6.7		●
FEATURES	Interior Design	●	●
	Anti-Bacteria Filter	●	●
	Light Weight	●	●
	Flexible Pipe Installation	●	●

Duct - R22 / Heat pump


MODEL			
MODEL NAME		50Hz	
		NS**SHREA RC**FQREA	NS**SHREA RC**FORGA
CAPACITY (kW)	3.5	●	
	5.4	●	
	7.0	●	
	10.5	●	●
	14.1		●
	16.7		●
FEATURES	Anti-Bacteria Filter	●	●
	Easy Filter Cleaning	●	●
	High Lift-Up Drain Pump	●	●
	Smart Pressure Control	●	●
	Wired Remote Controller	●	●

CAC Lineup & Feature - Indoor Units



4Way - R22 / Heat pump

MODEL					
MODEL NAME		50Hz		60Hz	
		NS***4HREA RC***FQREA	NS***4HREA RC***FORGA	CH**BTA CH**BTX	CH**FTA CH**FTX
CAPACITY (kW)	5.4	●			
	6.4			●	
	7.0	●			
	10.0			●	
	10.5	●	●		
	11.7			●	
	14.1				●
FEATURES	High Lift-Up Drain Pump	●	●	●	
	Quick Connection of Drain Pipe	●	●	●	





Ceiling - R22 / Heat Pump

MODEL			
MODEL NAME		60Hz	60Hz
		FH**ETA FH**ETX	FH**BTA FH**BTX
CAPACITY (kW)	5.0		●
	5.6	●	
	6.3		●
	6.4	●	
FEATURES	Interior Design	●	●
	Anti-Bacteria Filter	●	●
	Light Weight	●	●
	Flexible Pipe Installation	●	●


Duct - R410A / Heat pump

MODEL				
MODEL NAME		MSP		Slim
		Smart Inverter	R - Inverter	
CAPACITY (kW)	3.5			●
	5.2	●	●	●
	7.0	●	●	●
	9.0	●	●	
	10.5	●	●	
	14.0	●		
FEATURES	Anti-Bacteria Filter	●	●	●
	Easy Filter Cleaning	●	●	●
	High Lift-Up Drain Pump	●	●	●
	Smart Pressure Control	●	●	●
	Wired Remote Controller	●	●	●

Cassette - R410A / Heat Pump

MODEL						
MODEL NAME		4Way Cassette S	4Way		Mini 4Way	Slim 1Way
			Smart Inverter	R-Inverter		
CAPACITY (kW)	2.6				●	●
	3.5				●	●
	5.2				●	
	6.0				●	
	7.0	●	●			
	9.0	●	●	●		
	10.0	●				
	10.5		●	●		
	12.5	●				
	14.0	●	●	●		
FEATURES	Wide Blade	●	●	●		●
	Ceiling Soiling Prevention	●	●	●		●
	High Lift-Up Drain Pump	●	●	●	●	●
	Quick Connection of Drain Pipe		●	●	●	●
	Fresh Air Intake	●	●	●		
	Sub Duct	●	●	●		

Ceiling - R410A / Heat Pump

MODEL			
MODEL NAME			
CAPACITY (kW)	5.2		●
	7.0		●
FEATURES	Interior Design		●
	Anti-Bacteria Filter		●
	Light Weight		●
	Flexible Pipe Installation		●

CAC Specification - Indoor Units (R22 | Cooling Only)



MSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



			50Hz				
Indoor Unit			DC18ETSA1/SGE	DC24ETSA/SGE	DC30ETSA/SGE	DC36ETSA/SGE	
Outdoor Unit			DC18ETSX1/SGE	DC24ETSX/SGE	DC30ETSX/SGE	DC36ETSX/SGE	
Mode			Cooling Only	Cooling Only	Cooling Only	Cooling Only	
Performance	Cooling (Min. / Std. / Max.)	kW	4.5	6.0	7.3	8.8	
		Btu/h	15,500	20,480	25,000	30,100	
	Capacity (Nominal) Cooling (Outdoor temp. 46°C)	kW					
		Btu/h					
Heating (Min. / Std. / Max.)	kW						
	Btu/h						
Energy Grade (C) / Energy Grade (H)		-	/	/	/	/	
Power	Cooling (Min. / Std. / Max.)	kW	1.90	2.10	2.60	3.00	
		Power Input (Nominal)					
	Heating (Min. / Std. / Max.)	kW					
		Current Input (Nominal)	A	8.70	9.50	11.80	14.00
Circuit Breaker (MCCB+ELB / ELCB)	A						
COP	Nominal Cooling	-	2.39	2.86	2.82	2.94	
	Nominal Heating	-					
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	6.35 x 1	6.35 x 1	9.52 x 1	
	Gas Pipe	Ø, mm	12.7 x 1	12.7 x 1	15.88 x 1	15.88 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0	15.0	15.0	30.0
		Max. Height (Between ID/OD)	m	15.0	8.0	8.0	15.0
Refrigerant	Type	-	R22	R22	R22	R22	
	Factory Charging	kg	0.83	1.35	1.67	2.0	
INDOOR UNIT							
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
Fan	Air Flow Rate	CMM	13.2	18.8	18.7	21.9	
	External Static Pressure	Min. / Std. / Max. mmAq	0 / 2 / 4	0 / 2 / 4	4 / 6 / 8	4 / 6 / 8	
Drain	Drain Pipe	Ø, mm		VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	
	Sound Pressure	High / Low dB(A)	40 /	42 /	43 /	47 /	
External Dimension	Net Weight	kg	26	32	32	32	
	Shipping Weight	kg	30	38	38	38	
	Net Dimensions (WxHxD)	mm	900 x 600 x 199	1150 x 260 x 480	1150 x 260 x 480	1150 x 260 x 480	
	Shipping Dimensions (WxHxD)	mm	1133 x 722 x 333	1405 x 593 x 354	1405 x 593 x 354	1405 x 593 x 354	
Panel Size	Panel model	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	-	-	-	-	
	Air Filter	Max. lifting Height / Displacement mm / liter/h	-	-	-	-	
OUTDOOR UNIT							
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
Sound	Sound Pressure	dB(A)	60	61	63	63	
External Dimension	Net Weight	kg	34	39	55	58	
	Shipping Weight	kg	36	43	60	62	
	Net Dimensions (WxHxD)	mm	720 x 548 x 285	790 x 548 x 265	880 x 638 x 310	880 x 798 x 310	
	Shipping Dimensions (WxHxD)	mm	849 x 594 x 355	926 x 600 x 382	1023 x 744 x 413	1023 x 744 x 413	
Operating Temp. Range	Cooling	°C	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54	
	Heating	°C	-	-	-	-	

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Optional Accessories

- Individual Controllers



Standard Accessories

- Wired Remote Controller



CAC Specification - Indoor Units (R22 | Cooling Only)



MSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



			50Hz				
Indoor Unit			DC42ETSA/SGE	DC48GTSVA/SGE	DC60GTSVA/SGE	DC72GTSVA1/SGE	
Outdoor Unit			DC42ETSA/SGE	DC48GTSX/SGE	DC60GTSX/SGE	DC72GTSX1/SGE	
Mode			Cooling Only	Cooling Only	Cooling Only	Cooling Only	
Performance	Cooling (Min. / Std. / Max.)	kW	10.5	11.7	15.5	18.5	
		Btu/h	36,020	40,000	53,040	63,000	
	Capacity (Nominal) Cooling (Outdoor temp. 46°C)	kW					
		Btu/h					
Heating (Min. / Std. / Max.)	kW						
	Btu/h						
Energy Grade (C) / Energy Grade (H)		-	/	/	/	/	
Power	Cooling (Min. / Std. / Max.)	kW	3.40	4.15	5.20	5.60	
		Power Input (Nominal)					
	Heating (Min. / Std. / Max.)	kW					
		Current Input (Nominal)	A	15.50	7.50	9.10	9.20
Circuit Breaker (MCCB+ELB / ELCB)	A						
COP	Nominal Cooling	-	3.11	2.83	2.99	3.30	
	Nominal Heating	-					
Piping Connections	Liquid Pipe	Ø, mm	9.52 x 1	9.52 x 1	9.52 x 1	9.52 x 1	
	Gas Pipe	Ø, mm	19.05 x 1	19.05 x 1	19.05 x 1	19.05 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0	30.0	30.0	30.0
		Max. Height (Between ID/OD)	m	15.0	15.0	15.0	15.0
Refrigerant	Type	-	R22	R22	R22	R22	
	Factory Charging	kg	1.7	2.0	2.85	2.6	
INDOOR UNIT							
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
Fan	Air Flow Rate	CMM	27.4	29.1	36.5	43.8	
	External Static Pressure	Min. / Std. / Max. mmAq	6 / 8 / 10	6 / 8 / 10	6 / 8 / 10	6 / 8 / 10	
Drain	Drain Pipe	Ø, mm	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	
	Sound Pressure	High / Low dB(A)	46 /	48 /	52 /	52 /	
External Dimension	Net Weight	kg	37	39	52	55	
	Shipping Weight	kg	44	46	60	63	
	Net Dimensions (WxHxD)	mm	1150 x 320 x 480	1150 x 320 x 480	1200 x 360 x 650	1200 x 360 x 650	
	Shipping Dimensions (WxHxD)	mm	1400 x 430 x 590	1400 x 430 x 590	1447 x 425 x 769	1447 x 425 x 769	
Panel Size	Panel model	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	-	-	-	-	
	Air Filter	Max. lifting Height / Displacement mm / liter/h	-	-	-	-	
OUTDOOR UNIT							
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	
Sound	Sound Pressure	dB(A)	66	67	68	68	
External Dimension	Net Weight	kg	87	87	105	105	
	Shipping Weight	kg	97	97	120	120	
	Net Dimensions (WxHxD)	mm	880 x 931 x 320	880 x 931 x 320	932 x 1128 x 375	932 x 1128 x 375	
	Shipping Dimensions (WxHxD)	mm	1043 x 411 x 1062	1043 x 411 x 1062	1091 x 1286 x 472	1091 x 1286 x 472	
Operating Temp. Range	Cooling	°C	21 - 54	21 - 54	21 - 54	21 - 54	
	Heating	°C	-	-	-	-	

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Optional Accessories

- Individual Controllers



Standard Accessories

- Wired Remote Controller



CAC Specification - Indoor Units (R22 | Cooling Only)



MSP Duct

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			50Hz					
Indoor Unit			DC30ETSA/SGE	DC36ETSA/SGE	DC42ETSA/SGE	DC48GTSASGE	DC60GTSASGE	DC72GTSASGE
Outdoor Unit			DC30ETT/SGE	DC36ETT/SGE	DC42ETT/SGE	DC48GTT/SGE	DC60GTT/SGE	DC72GTT/SGE
Mode			Cooling Only	Cooling Only	Cooling Only	Cooling Only	Cooling Only	Cooling Only
Performance	Cooling (Min. / Std. / Max.)	kW	7.3	8.8	10.6	11.7	15.5	18.5
		Btu/h	25,000	30,100	36,020	40,000	53,000	63,000
	Capacity (Nominal) Cooling (Outdoor temp. 46°C)	kW						
		Btu/h						
	Heating (Min. / Std. / Max.)	kW						
		Btu/h						
Energy Grade (C) / Energy Grade (H)			/	/	/	/	/	/
Power	Cooling (Min. / Std. / Max.)	kW	2.60	3.00	3.40	4.15	5.20	5.60
	Power Input (Nominal)	kW						
Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	11.80	14.00	15.50	7.50	9.10	9.20
	Heating (Min. / Std. / Max.)							
Circuit Breaker (MCCB+ELB / ELCB)		A						
COP	Nominal Cooling		2.82	2.94	3.11	2.83	2.99	3.30
	Nominal Heating							
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	9.52 x 1	9.52 x 1	9.52 x 1	9.52 x 1	9.52 x 1
	Gas Pipe	Ø, mm	15.88 x 1	15.88 x 1	19.05 x 1	19.05 x 1	19.05 x 1	19.05 x 1
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0	50.0	50.0	50.0	50.0
		Max. Height (Between ID/OD)	m	15.0	30.0	30.0	30.0	30.0
Refrigerant	Type		R22	R22	R22	R22	R22	
	Factory Charging	kg	1.4	2.6	2.6	2.4	3.6	3.4
INDOOR UNIT								
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Fan	Air Flow Rate	CMM	22.8	21.9	29.7	31.0	46.5	43.8
	External Static Pressure	Min. / Std. / Max. mmAq	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	4 / 6 / 8	6 / 8 / 10	6 / 8 / 10
Drain	Drain Pipe	Ø, mm	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)	VP20 (OD 26, ID 20)
	Sound Pressure	High / Low dB(A)	47 /	47 /	48 /	52 /	48 /	52 /
External Dimension	Net Weight	kg	32	32	37	39	52	55
	Shipping Weight	kg	38	38	44	46	60	63
	Net Dimensions (WxHxD)	mm	1150 x 260 x 480	1150 x 260 x 480	1150 x 320 x 480	1150 x 320 x 480	1200 x 360 x 650	1200 x 360 x 650
	Shipping Dimensions (WxHxD)	mm	1405 x 593 x 354	1405 x 593 x 354	1400 x 430 x 590	1400 x 430 x 590	1447 x 425 x 769	1447 x 425 x 769
Panel Size	Panel model		-	-	-	-	-	-
	Panel Net Weight	kg	-	-	-	-	-	-
	Shipping Weight	kg	-	-	-	-	-	-
	Net Dimensions (WxHxD)	mm	-	-	-	-	-	-
Additional Accessories	Drain pump	Drain pump	-	-	-	-	-	-
	Air Filter	Max. lifting Height / Displacement mm / liter/h	-	-	-	-	-	-
OUTDOOR UNIT								
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Sound	Sound Pressure	dB(A)	62	64	66	67	67	67
External Dimension	Net Weight	kg	52	71	73	74	87	87
	Shipping Weight	kg	57	76	78	79	93	93
	Net Dimensions (WxHxD)	mm	578 x 578 x 788	578 x 578 x 788	578 x 578 x 788	578 x 578 x 788	668 x 668 x 826	668 x 668 x 826
	Shipping Dimensions (WxHxD)	mm	653 x 653 x 868	653 x 653 x 868	653 x 653 x 868	653 x 653 x 868	744 x 744 x 903	744 x 744 x 903
Operating Temp. Range	Cooling	°C	21 - 54	21 - 54	21 - 54	21 - 54	21 - 54	21 - 54
	Heating	°C	-	-	-	-	-	-

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Optional Accessories

- Individual Controllers



Standard Accessories

- Wired Remote Controller



CAC Specification - Indoor Units (R22 | Cooling Only)



MSP Duct

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		60Hz					
Indoor Unit		DC185TSA/UMG	DC24TSA/UMG	DC30TSA/UMG	DC36TSA/UMG		
Outdoor Unit		DC185TSM/UMG	DC24TSM/UMG	DC30TSM/UMG	DC36TSM/UMG		
Mode		Cooling Only					
Performance	Capacity (Nominal)						
	Cooling (Min. / Std. / Max.)	kW	4.0	6.2	7.5	9.2	
		Btu/h	16,800	21,000	25,600	31,300	
	Cooling (Outdoor temp. 46°C)	kW	3.7	5.3	6.2	7.3	
		Btu/h	14,000	18,000	21,000	25,000	
	Heating (Min. / Std. / Max.)	kW	-	-	-	-	
		Btu/h	-	-	-	-	
Energy Grade (C) / Energy Grade (H)		-					
Power	Power Input (Nominal)						
	Cooling (Min. / Std. / Max.)	kW	2.15	2.70	3.00	3.50	
			2.45	3.10	3.45	3.80	
	Heating (Min. / Std. / Max.)		-	-	-	-	
			-	-	-	-	
Current Input (Nominal)							
Cooling (Min. / Std. / Max.)	A	9.50	12.50	13.50	16.50		
		11.20	14.50	15.80	18.00		
	Heating (Min. / Std. / Max.)						
	Circuit Breaker (MCCB+ELB / ELCB)	A					
COP	Nominal Cooling	-	2.29	2.28	2.50	2.62	
	Nominal Heating	-	-	-	-	-	
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	6.35 x 1	9.52 x 1	9.52 x 1	
	Gas Pipe	Ø, mm	12.7 x 1	15.88 x 1	15.88 x 1	15.88 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0	30.0	-	-
		Max. Height (Between ID/OD)	m	15.0	15.0	-	-
Refrigerant	Type	-	R22	R22	R22	R22	
	Factory Charging	kg	0.9	1.85	1.7	1.8	
INDOOR UNIT							
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50					
Fan	Air Flow Rate	CMM	16.0	21.0	22.0	23.0	
	External Static Pressure	Min. / Std. / Max.	mmAq	0 / 3 / 6	0 / 3 / 6	4 / 6 / 8	4 / 6 / 8
		Pa	0 / 29.4 / 58.8	0 / 29.4 / 58.8	39.2 / 58.8 / 78.5	39.2 / 58.8 / 78.5	
Drain	Drain Pipe	Ø, mm	VP20 (OD 26, ID 20)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Sound	Sound Pressure	High / Low	dB(A)	41 /	42 /	43 /	46 /
				30	31	31	37
External Dimension	Net Weight	kg	30	31	31	37	
	Shipping Weight	kg	36	37	37	43	
	Net Dimensions (WxHxD)	mm	778 x 614 x 355	1150 x 260 x 480	1150 x 260 x 480	1150 x 320 x 480	
	Shipping Dimensions (WxHxD)	mm	1398 x 363 x 584	1396 x 363 x 584	1396 x 363 x 584	1400 x 430 x 590	
Panel Size	Panel model	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	-	
	Shipping Dimensions (WxHxD)	mm	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	-	-	-	-	
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	
	Air Filter	-	-	-	-		
OUTDOOR UNIT							
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50					
Sound	Sound Pressure	dB(A)	60	61	63	66	
	Net Weight	kg	34	39	52	78	
External Dimension	Shipping Weight	kg	36	43	56	83	
	Net Dimensions (WxHxD)	mm	778 x 614 x 355	790 x 548 x 285	880 x 638 x 310	880 x 931 x 320	
	Shipping Dimensions (WxHxD)	mm	926 x 600 x 382	926 x 600 x 382	1023 x 744 x 413	1043 x 1062 x 411	
	Operating Temp. Range	Cooling	°C	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54
	Heating	°C	-	-	-	-	

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Optional Accessories

- Individual Controllers



Standard Accessories

- Wired Remote Controller



CAC Specification - Indoor Units (R22 | Cooling Only)



MSP Duct

- Narrow Width
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- Silent Operation with the Static Pressure Control
- Easy to Maintain



			60Hz					
Indoor Unit			DC42BTSX/UMG	DC48BTSX/UMG	DC48FTS/UMG	DC60FTS/UMG	DC60HTS/UMG	
Outdoor Unit			DC42BTSX/UMG	DC48BTSX/UMG	DC48FTS/UMG	DC60FTS/UMG	DC60HTS/UMG	
Mode			Cooling Only		Cooling Only		Cooling Only	
Performance	Cooling (Min. / Std. / Max.)	kW	11.1	12.8	13.5	16.1	16.1	
		Btu/h	37,900	43,600	46,000	55,000	55,000	
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)	kW	9.1	10.6	11.1	13.2	13.2
		Btu/h	31,000	36,000	38,000	45,000	45,000	
Heating (Min. / Std. / Max.)		kW	-	-	-	-	-	
		Btu/h	-	-	-	-	-	
Energy Grade (C) / Energy Grade (H)			/	/	/	/	/	
Power	Cooling (Min. / Std. / Max.)	kW	4.10	4.75	4.90	5.70	5.70	
		kW	4.50	5.20	5.70	6.70	6.70	
	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	A	20.00	22.00	16.00	17.50	9.90
		Heating (Min. / Std. / Max.)	A	22.00	24.50	18.00	20.00	11.20
Circuit Breaker (MCCB+ELB / ELCB)		A	-	-	-	-	-	
COP	Nominal Cooling	-	2.71	2.69	2.75	2.83	2.83	
	Nominal Heating	-	-	-	-	-	-	
Piping Connections	Liquid Pipe	Ø, mm	9.52 x 1	9.52 x 1	9.52 x 1	9.52 x 1	9.52 x 1	
	Gas Pipe	Ø, mm	19.05 x 1	19.05 x 1	19.05 x 1	19.05 x 1	19.05 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	-	-	-	-	
		Max. Height (Between ID/OD)	m	-	-	-	-	
Refrigerant	Type	-	R22	R22	R22	R22	R22	
	Factory Charging	kg	2.4	2.6	3.2	3.0	3.2	
INDOOR UNIT								
Power Supply	Ø, #, V, Hz	-	1, 2, 220, 60	1, 2, 220, 60	1, 2, 220, 60	1, 2, 220, 60	1, 2, 220, 60	
Fan	Air Flow Rate	CMM	30.0	35.0	35.0	41.0	41.0	
	External Static Pressure	Min. / Std. / Max. mmAq	4 / 6 / 8	6 / 8 / 10	6 / 8 / 10	6 / 8 / 10	6 / 8 / 10	
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
	Sound Pressure	High / Low dB(A)	46 /	48 /	48 /	50 /	50 /	
External Dimension	Net Weight	kg	37	37	37	51	51	
	Shipping Weight	kg	43	44	44	61	61	
	Net Dimensions (WxHxD)	mm	1150 x 320 x 480	1150 x 320 x 480	1150 x 320 x 480	1200 x 360 x 650	1200 x 360 x 650	
	Shipping Dimensions (WxHxD)	mm	1400 x 430 x 590	1400 x 430 x 590	1400 x 430 x 590	1447 x 425 x 769	1447 x 425 x 769	
Panel Size	Panel model	-	-	-	-	-	-	
	Panel Net Weight	kg	-	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	-	-	-	-	-	
	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	
	Air Filter	-	-	-	-	-	-	
OUTDOOR UNIT								
Power Supply	Ø, #, V, Hz	-	1, 2, 220, 60	1, 2, 220, 60	3, 3, 220, 60	3, 3, 220, 60	3, 4, 380, 60	
Sound	Sound Pressure	dB(A)	67	67	67	68	68	
External Dimension	Net Weight	kg	80	97	95	96	96	
	Shipping Weight	kg	85	107	105	106	106	
	Net Dimensions (WxHxD)	mm	880 x 931 x 320	932 x 1128 x 375	932 x 1128 x 375	932 x 1128 x 375	932 x 1128 x 375	
	Shipping Dimensions (WxHxD)	mm	1043 x 1062 x 411	1091 x 1286 x 472	1091 x 1286 x 472	1091 x 1286 x 472	1091 x 1286 x 472	
Operating Temp. Range	Cooling	°C	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54	
	Heating	°C	-	-	-	-	-	

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Optional Accessories

- Individual Controllers



Standard Accessories

- Wired Remote Controller



CAC Specification - Indoor Units (R22 | Cooling Only)



4Way Cassette

- Stylish Panel Design
- Efficient Cooling
- New Turbo Fan
- Easy Leveling



			50Hz				
Indoor Unit			CC18ETVA/SGE	CC24ETVA1/SGE	CC36ETVA/SGE	CC42GTVA/SGE	CC48GTVA/SGE
Outdoor Unit			CC18ETVX/SGE	CC24ETVX1/SGE	CC36ETVX/SGE	CC42GTVX/SGE	CC48GTVX/SGE
Mode			Cooling Only		Cooling Only		
Performance	Cooling (Min. / Std. / Max.)	kW	5.3	7.0	10.0	12.3	13.5
		Btu/h	18,000	24,000	34,000	42,000	46,000
	Capacity (Nominal) Cooling (Outdoor temp. 46°C)	kW					
		Btu/h					
Heating (Min. / Std. / Max.)	kW						
	Btu/h						
Energy Grade (C) / Energy Grade (H)			/	/	/	/	/
Power	Cooling (Min. / Std. / Max.)	kW	2.10	2.85	3.80	4.60	5.00
		Power Input (Nominal)					
	Heating (Min. / Std. / Max.)	kW					
		Current Input (Nominal)	A	9.50	13.00	18.00	8.00
Circuit Breaker (MCCB+ELB / ELCB)	A						
COP	Nominal Cooling	-	2.51	2.47	2.62	2.68	2.70
	Nominal Heating	-					
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	6.35 x 1	9.52 x 1	9.52 x 1	9.52 x 1
	Gas Pipe	Ø, mm	12.7 x 1	15.88 x 1	15.88 x 1	19.05 x 1	19.05 x 1
	Installation Limitation	Max. Length (Outdoor to indoor)	m				
		Max. Height (Between ID/OD)	m				
Refrigerant	Type	-	R22	R22	R22	R22	R22
	Factory Charging	kg	1.4	1.7	2.1	2.6	2.8
INDOOR UNIT							
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Fan	Air Flow Rate	CMM	15.3	17.0	29.0	29.0	29.0
	External Static Pressure	Min. / Std. / Max. mmAq	-	-	-	-	-
		Pa	-	-	-	-	-
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure	High / Low	46 /	46 /	49 /	49 /	51 /
External Dimension	Net Weight	kg	25	25	29	29	29
	Shipping Weight	kg	31	31	35	35	35
	Net Dimensions (WxHxD)	mm	840 x 218 x 840	840 x 218 x 840	840 x 298 x 840	840 x 298 x 840	840 x 298 x 840
	Shipping Dimensions (WxHxD)	mm	925 x 280 x 925	925 x 280 x 925	925 x 360 x 925	925 x 360 x 925	925 x 360 x 925
Panel Size	Panel model	-	-	-	-	-	-
	Panel Net Weight	kg	-	-	-	-	-
	Shipping Weight	kg	-	-	-	-	-
	Net Dimensions (WxHxD)	mm	-	-	-	-	-
	Shipping Dimensions (WxHxD)	mm	-	-	-	-	-
Additional Accessories	Drain pump	Drain pump	-	-	-	-	-
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-
	Air Filter	-	-	-	-	-	
OUTDOOR UNIT							
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Sound	Sound Pressure	dB(A)	59	61	65	67	68
External Dimension	Net Weight	kg	39	55	90	105	105
	Shipping Weight	kg	43	60	95	115	115
	Net Dimensions (WxHxD)	mm	790 x 548 x 285	880 x 638 x 310	880 x 931 x 320	932 x 1128 x 375	932 x 1128 x 375
	Shipping Dimensions (WxHxD)	mm	926 x 600 x 382	1023 x 744 x 413	1043 x 1062 x 411	1091 x 1286 x 472	1091 x 1286 x 472
Operating Temp. Range	Cooling	°C	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54	21 ~ 54
	Heating	°C	-	-	-	-	-

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

Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00U

Panel



PC095MCS / PC095MC1S
PC095MC2S / PC095MC3S

CAC Specification - Indoor Units (R22 | Cooling Only)



4Way Cassette

- Stylish Panel Design
- Efficient Cooling
- New Turbo Fan
- Easy Leveling



60Hz

Indoor Unit		CC24BTVA1/UMG	CC36BTVA/UMG	CC42BTVA/UMG	CC48BTVA/UMG
Outdoor Unit		CC24BTVX1/UMG	CC36BTVX/UMG	CC42BTVX/UMG	CC48BTVX/UMG
Mode		Cooling Only	Cooling Only	Cooling Only	Cooling Only
Performance	Cooling (Min. / Std. / Max.)	kW	7.0	9.4	12.0
		Btu/h	24,000	32,000	41,000
	Capacity (Nominal)	kW	6.2	8.2	10.0
	(Outdoor temp. 46°C)	Btu/h	21,000	28,000	34,000
	Heating (Min. / Std. / Max.)	kW	-	-	-
		Btu/h	-	-	-
	Energy Grade (C) / Energy Grade (H)	-	-	-	-
Power	Cooling (Min. / Std. / Max.)	kW	2.70	3.20	4.40
	Power Input (Nominal)	kW	3.10	3.55	4.80
	Heating (Min. / Std. / Max.)	-	-	-	-
		-	-	-	-
Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	12.50	15.00	20.00
	Heating (Min. / Std. / Max.)	-	-	-	-
		-	-	-	-
	Circuit Breaker (MCCB+ELB / ELCB)	A	-	-	-
COP	Nominal Cooling	-	2.61	2.93	2.73
	Nominal Heating	-	-	-	-
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	9.52 x 1	9.52 x 1
	Gas Pipe	Ø, mm	15.88 x 1	15.88 x 1	19.05 x 1
	Installation Limitation	Max. Length (Outdoor to indoor)	m	-	50.0
	Max. Height (Between ID/OD)	m	-	30.0	30.0
Refrigerant	Type	-	R22	R22	R22
	Factory Charging	kg	1.8	1.8	2.5
INDOOR UNIT					
Power Supply	Ø, #, V, Hz	1, 2, 220, 60	1, 2, 220, 60	1, 2, 220, 60	1, 2, 220, 60
Fan	Air Flow Rate	CMM	-	-	-
	External Static Pressure	Min. / Std. / Max. mmAq	-	-	-
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure	High / Low	44 /	49 /	49 /
External Dimension	Net Weight	kg	25	29	29
	Shipping Weight	kg	31	35	35
	Net Dimensions (WxHxD)	mm	840 x 218 x 840	840 x 298 x 840	840 x 298 x 840
	Shipping Dimensions (WxHxD)	mm	925 x 280 x 925	925 x 360 x 925	925 x 360 x 935
Panel Size	Panel model	-	-	-	-
	Panel Net Weight	kg	-	-	-
	Shipping Weight	kg	-	-	-
	Net Dimensions (WxHxD)	mm	-	-	-
Additional Accessories	Drain pump	Drain pump	-	-	-
	Max. lifting Height / Displacement	mm / liter/h	-	-	-
	Air Filter	-	-	-	-
OUTDOOR UNIT					
Power Supply	Ø, #, V, Hz	1, 2, 220, 60	1, 2, 220, 60	1, 2, 220, 60	3, 3, 220, 60
Sound	Sound Pressure	dB(A)	61	66	67
External Dimension	Net Weight	kg	53	80	97
	Shipping Weight	kg	60	85	107
	Net Dimensions (WxHxD)	mm	880 x 638 x 310	880 x 931 x 320	932 x 1128 x 375
	Shipping Dimensions (WxHxD)	mm	1023 x 744 x 413	1062 x 1043 x 411	1091 x 1286 x 472
Operating Temp. Range	Cooling	°C	21 ~ 54	21 ~ 54	21 ~ 54
	Heating	°C	-	-	-

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00U

- Panel



PC095MCS / PC095MC1S
PC095MC2S / PC095MC3S

CAC Specification - Indoor Units (R22 | Cooling Only)



Ceiling

- 2Way Installation
- Compact but Powerful



		50Hz		60Hz		
Indoor Unit		FC18ETVA/SGE	FC24ETVA/SGE	FC18TVA1/UMG	FC24TVA1/UMG	
Outdoor Unit		FC18ETVX/SGE	FC24ETVX/SGE	FC18TVX1/UMG	FC24TVX1/UMG	
Mode		Cooling Only		Cooling Only		
Performance	Cooling (Min. / Std. / Max.)					
		kW	5.1	6.6	5.0	6.7
		Btu/h	17,500	22,500	17,000	23,000
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)				
		kW		4.4	6.2	
		Btu/h		15,000	21,000	
	Heating (Min. / Std. / Max.)					
		kW				
		Btu/h				
	Energy Grade (C) / Energy Grade (H)		/	/	/	
Power	Cooling (Min. / Std. / Max.)		2.10	2.80	1.90	2.75
	Power Input (Nominal)				2.20	3.20
		kW				
		Heating (Min. / Std. / Max.)				
			9.50	13.50	8.80	12.80
	Cooling (Min. / Std. / Max.)				10.00	15.00
	Heating (Min. / Std. / Max.)					
	Circuit Breaker (MCCB+ELB / ELCB)					
		A				
COP	Nominal Cooling		2.44	2.36	2.62	2.45
	Nominal Heating					
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	6.35 x 1	6.35 x 1	6.35 x 1
	Gas Pipe	Ø, mm	12.7 x 1	15.88 x 1	12.7 x 1	15.88 x 1
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0	30.0	30.0
		Max. Height (Between ID/OD)	m	15.0	15.0	15.0
Refrigerant	Type		R22	R22	R22	R22
	Factory Charging	kg	1.35	1.6	1.35	1.5
INDOOR UNIT						
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220, 60		
Fan	Air Flow Rate	CMM				
		mmAq				
	External Static Pressure	Min. / Std. / Max.				
		Pa				
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Sound	Sound Pressure	High / Low				
			50 /	52 /	51 /	
External Dimension	Net Weight	kg	22	22	22	
	Shipping Weight	kg	26	26	26	
	Net Dimensions (WxHxD)	mm	1000 x 200 x 650	1000 x 200 x 650	1000 x 200 x 650	
	Shipping Dimensions (WxHxD)	mm	1080 x 230 x 740	1080 x 230 x 740	1080 x 230 x 740	
Panel Size	Panel model					
	Panel Net Weight	kg				
	Shipping Weight	kg				
	Net Dimensions (WxHxD)	mm				
	Shipping Dimensions (WxHxD)	mm				
Additional Accessories	Drain pump	Drain pump				
		Max. lifting Height / Displacement	mm / liter/h			
	Air Filter					
OUTDOOR UNIT						
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220, 60		
Sound	Sound Pressure		59	62	61	
External Dimension	Net Weight	kg	39	55	37	
	Shipping Weight	kg	43	60	41	
	Net Dimensions (WxHxD)	mm	790 x 548 x 285	880 x 638 x 310	790 x 548 x 285	
	Shipping Dimensions (WxHxD)	mm	860 x 615 x 365	1023 x 744 x 413	926 x 600 x 382	
Operating Temp. Range	Cooling	°C	21 ~ 54	21 ~ 54	21 ~ 54	
	Heating	°C				

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00U

Standard Accessories

- Wireless Remote Controller



CAC Specification - Indoor Units (R22 | Heat Pump)



MSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



		50Hz				
Indoor Unit		NSD12SHREA	NSD18SHREA	NSD24SHREA	NSD36SHREA	
Outdoor Unit		RCO12FQREA	RCO18FQREA	RCO24FQREA	RCO36FQREA	
Mode		Heat Pump				
Performance	Cooling (Min. / Std. / Max.)	kW	3.5	5.4	7.0	
		Btu/h	11,900	18,400	23,900	
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)	kW			
		Btu/h				
	Heating (Min. / Std. / Max.)	kW	4.0	6.3	7.6	
		Btu/h	13,600	21,500	25,900	
Energy Grade (C) / Energy Grade (H)		-	-	-	-	
Power	Cooling (Min. / Std. / Max.)		1.55	2.20	2.99	
	Power Input (Nominal)	kW				
		Heating (Min. / Std. / Max.)		1.55	2.05	2.85
		Cooling (Min. / Std. / Max.)		6.90	10.00	12.50
	Current Input (Nominal)	A				
	Heating (Min. / Std. / Max.)		6.70	9.50	12.50	
	Circuit Breaker (MCCB+ELB / ELCB)	A	-	-	-	
COP	Nominal Cooling	-	2.26	2.45	2.35	
	Nominal Heating	-	2.58	3.07	2.66	
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	6.35 x 1	6.35 x 1	
	Gas Pipe	Ø, mm	9.52 x 1	12.7 x 1	15.88 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0	30.0	50.0
		Max. Height (Between ID/OD)	m	15.0	15.0	30.0
Refrigerant	Type	-	R22	R22	R22	
	Factory Charging	kg	1.0	1.4	2.0	
INDOOR UNIT						
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50				
Fan	Air Flow Rate	CMM	9.7	16.4	21.9	
	External Static Pressure	Min. / Std. / Max. mmAq	2000-02-04	2002-04-06	2002-04-06	
		Pa	0 / 19.6 / 39.2	19.6 / 39.2 / 58.8	19.6 / 39.2 / 58.8	
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Sound	Sound Pressure	High / Low	36/37	41/41	47/46	
External Dimension	Net Weight	kg	29	29	40	
	Shipping Weight	kg	320	320	320	
	Net Dimensions (WxHxD)	mm	480 x 900 x 260	480 x 900 x 260	480 x 900 x 260	
	Shipping Dimensions (WxHxD)	mm	593 x 1155 x 354	593 x 1155 x 354	593 x 1155 x 354	
Panel Size	Panel model	-	-	-	-	
	Panel Net Weight	kg	-	-	-	
	Shipping Weight	kg	-	-	-	
	Net Dimensions (WxHxD)	mm	-	-	-	
	Shipping Dimensions (WxHxD)	mm	-	-	-	
Additional Accessories	Drain pump	Drain pump	Optional / MDP-E075SGU3	Optional / MDP-E075SGU3	Optional / MDP-E075SGU3	
		Max. lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24
	Air Filter	-	Long life filter	Long life filter	Long life filter	
OUTDOOR UNIT						
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50				
Sound	Sound Pressure		56/57	60/61	61/61	
External Dimension	Net Weight	kg	37	41	55	
	Shipping Weight	kg	320	320	320	
	Net Dimensions (WxHxD)	mm	548 x 790 x 285	548 x 790 x 285	638 x 880 x 310	
	Shipping Dimensions (WxHxD)	mm	600 x 926 x 382	600 x 926 x 382	744 x 1023 x 413	
Operating Temp. Range	Cooling	°C	-5 ~ 54	-5 ~ 54	-5 ~ 54	
	Heating	°C	-5 ~ 24	-5 ~ 24	-5 ~ 24	

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Optional Accessories

- Individual Controllers



- Drain Pump



CAC Specification - Indoor Units (R22 | Heat Pump)



MSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



50Hz

Indoor Unit		NS036SHREA	NS048SHREA	NS060SHREA	
Outdoor Unit		RC036FQRGA	RC048FQRGA	RC060FQRGA	
Mode		Heat Pump			
Performance	Cooling (Min. / Std. / Max.)	kW 10.5	kW 14.1	kW 16.7	
		Btu/h 35,800	Btu/h 48,100	Btu/h 57,000	
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)	kW 10.5	kW 14.7	kW 17.9
		Btu/h 35,800	Btu/h 50,200	Btu/h 61,000	
Energy Grade (C) / Energy Grade (H)		-			
Power	Cooling (Min. / Std. / Max.)	kW 3.75	kW 5.72	kW 6.50	
	Power Input (Nominal)	Cooling	kW 3.20	kW 5.20	kW 6.35
		Heating (Min. / Std. / Max.)	kW 6.50	kW 9.50	kW 11.00
	Current Input (Nominal)	Cooling	A 5.80	A 9.50	A 11.00
		Heating (Min. / Std. / Max.)	A -	A -	A -
	Circuit Breaker (MCCB+ELB / ELCB)	A -	A -	A -	A -
COP	Nominal Cooling	- 2.80	- 2.47	- 2.57	
	Nominal Heating	- 3.28	- 2.83	- 2.82	
Piping Connections	Liquid Pipe	Ø, mm 9.52 x 1	Ø, mm 9.52 x 1	Ø, mm 9.52 x 1	
	Gas Pipe	Ø, mm 15.88 x 1	Ø, mm 19.05 x 1	Ø, mm 19.05 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m 50.0	m 50.0	m 50.0
		Max. Height (Between ID/OD)	m 30.0	m 30.0	m 30.0
Refrigerant	Type	R22			
	Factory Charging	kg 2.6	kg 2.8	kg 4.1	
INDOOR UNIT					
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50			
Fan	Air Flow Rate	CMM 27.3	CMM 38.1	CMM 38.1	
	External Static Pressure	Min. / Std. / Max. mmAq 2006-08-10	mmAq 2006-08-10	mmAq 2006-08-10	
Drain	Drain Pipe	Ø, mm VP25 (OD 32, ID 25)	Ø, mm VP25 (OD 32, ID 25)	Ø, mm VP25 (OD 32, ID 25)	
	Sound Pressure	High / Low dB(A) 46/47	dB(A) 52/53	dB(A) 52/53	
External Dimension	Net Weight	kg 40	kg 49	kg 49	
	Shipping Weight	kg 320	kg 320	kg 320	
	Net Dimensions (WxHxD)	mm 480 x 1150 x 320	mm 650 x 1200 x 360	mm 650 x 1200 x 360	
	Shipping Dimensions (WxHxD)	mm 590 x 1400 x 430	mm 769 x 1477 x 425	mm 769 x 1477 x 425	
Panel Size	Panel model	-	-	-	
	Panel Net Weight	kg -	kg -	kg -	
	Shipping Weight	kg -	kg -	kg -	
	Net Dimensions (WxHxD)	mm -	mm -	mm -	
Additional Accessories	Drain pump	Drain pump Optional / MDP-E075SGU3	Drain pump Optional / MDP-E075SGU3	Drain pump Optional / MDP-E075SGU3	
		Max. lifting Height / Displacement	mm / liter/h 750 / 24	mm / liter/h 750 / 24	
	Air Filter	-	Long life filter	Long life filter	
OUTDOOR UNIT					
Power Supply	Ø, #, V, Hz	3, 4, 380-415, 50			
Sound	Sound Pressure	dB(A) 64/65	dB(A) 62/63	dB(A) 66/67	
External Dimension	Net Weight	kg 85	kg 104	kg 110	
	Shipping Weight	kg 320	kg 320	kg 320	
	Net Dimensions (WxHxD)	mm 931 x 880 x 320	mm 1128 x 932 x 375	mm 932 x 1129 x 375	
	Shipping Dimensions (WxHxD)	mm 1062 x 1043 x 411	mm 1286 x 1091 x 472	mm 1091 x 1286 x 472	
Operating Temp. Range	Cooling	°C -5 ~ 54	°C -5 ~ 54	°C -5 ~ 54	
	Heating	°C -5 ~ 24	°C -5 ~ 24	°C -5 ~ 24	

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Optional Accessories

- Individual Controllers



- Drain Pump



CAC Specification - Indoor Units (R22 | Heat Pump)



4Way Cassette

- New Turbo Fan
- Compact Size
- Easy Leveling
- Efficient Cooling



		50Hz					
Indoor Unit		NSD184HREA	NSD244HREA	NSD364HREA	NSD364HREA	NSD484HREA	
Outdoor Unit		RCQ18FQREA	RCQ24FQREA	RCQ36FQREA	RCQ36FQREA	RCQ18FQREA	
Mode		Heat Pump					
Performance	Cooling (Min. / Std. / Max.)	kW	5.4	7.0	10.5	14.1	
		Btu/h	18,400	23,900	35,800	48,100	
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)	kW				
		Btu/h					
Energy Grade (C) / Energy Grade (H)	Heating (Min. / Std. / Max.)	kW	6.3	7.6	10.5	14.7	
		Btu/h	21,500	25,900	35,800	50,200	
			/	/	/	/	
Power	Cooling (Min. / Std. / Max.)		2.12	2.70	3.70	5.40	
	Power Input (Nominal)	kW					
	Heating (Min. / Std. / Max.)		2.00	2.55	3.45	5.39	
	Cooling (Min. / Std. / Max.)	A	9.50	11.50	15.20	9.50	
Circuit Breaker (MCCB+ELB / ELCB)	Heating (Min. / Std. / Max.)	A	9.00	11.00	14.20	9.50	
COP	Nominal Cooling		2.55	2.59	2.84	2.61	
	Nominal Heating		3.15	2.98	3.04	2.73	
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	6.35 x 1	9.52 x 1	9.52 x 1	
	Gas Pipe	Ø, mm	12.7 x 1	15.88 x 1	15.88 x 1	15.88 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0	30.0	50.0	50.0
		Max. Height (Between ID/OD)	m	15.0	15.0	30.0	30.0
Refrigerant	Type		R22	R22	R22	R22	
	Factory Charging	kg	1.4	2.0	2.4	2.8	
INDOOR UNIT							
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50					
Fan	Air Flow Rate	CMM	-	-	25.2	41.1	
	External Static Pressure	Min. / Std. / Max. mmAq	-	-	-	-	
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Sound	Sound Pressure	High / Low dB(A)	41/42	46/45	49/49	51/51	
External Dimension	Net Weight	kg	24	24	30	31	
	Shipping Weight	kg	320	320	320	320	
	Net Dimensions (WxHxD)	mm	840 x 840 x 218	840 x 840 x 218	840 x 840 x 298	840 x 840 x 298	
	Shipping Dimensions (WxHxD)	mm	925 x 925 x 280	925 x 925 x 280	925 x 925 x 360	925 x 925 x 360	
Panel Size	Panel model		P4SMA	P4SMA	P4SMA	P4SMA	
	Panel Net Weight	kg	7	7	7	7	
	Shipping Weight	kg	10.3	10.3	10.3	10.3	
	Net Dimensions (WxHxD)	mm	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	950 x 35 x 950	
Additional Accessories	Drain pump		Built-in	Built-in	Built-in	Built-in	
	Max. lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	750 / 24	
	Air Filter		Long life filter	Long life filter	Long life filter	Long life filter	
OUTDOOR UNIT							
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50					
Sound	Sound Pressure	dB(A)	60/61	61/61	64/65	62/63	
External Dimension	Net Weight	kg	41	55	85	104	
	Shipping Weight	kg	320	320	320	320	
	Net Dimensions (WxHxD)	mm	548 x 790 x 285	638 x 880 x 310	931 x 880 x 320	931 x 880 x 320	
	Shipping Dimensions (WxHxD)	mm	600 x 926 x 382	744 x 1023 x 413	1062 x 1043 x 411	1062 x 1043 x 411	
Operating Temp. Range	Cooling	°C	-5 ~ 54	-5 ~ 54	-5 ~ 54	-5 ~ 54	
	Heating	°C	-5 ~ 24	-5 ~ 24	-5 ~ 24	-5 ~ 24	

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

- Panel



PC095MCS / PC095MC1S
PC095MC2S / PC095MC3S

CAC Specification - Indoor Units (R22 | Heat Pump)



4Way Cassette

- New Turbo Fan
- Compact Size
- Easy Leveling
- Efficient Cooling



60Hz

Indoor Unit		CH24BTA/UMG	CH36BTA1/UMG	CH42BTA1/UMG	CH48FTA/UMG
Outdoor Unit		CH24BTX/UMG	CH36BTX1/UMG	CH42BTX1/UMG	CH48FTX/UMG
Mode		Heat Pump		Heat Pump	
Performance	Cooling (Min. / Std. / Max.)	kW	6.4	10.0	11.7
		Btu/h	22,000	34,000	40,000
	Capacity (Nominal)	kW	5.9	8.5	10.3
	(Outdoor temp. 46°C)	Btu/h	20,000	29,000	35,000
Energy Grade (C) / Energy Grade (H)	Heating (Min. / Std. / Max.)	kW	7.0	10.8	12.3
		Btu/h	24,000	37,000	42,000
Power	Cooling (Min. / Std. / Max.)		2.35	3.80	4.40
	Power Input (Nominal)	kW	2.70	4.15	4.80
	Heating (Min. / Std. / Max.)		2.30	3.50	4.40
	Current Input (Nominal)	A	10.50	18.00	21.00
	Heating (Min. / Std. / Max.)		12.50	19.50	22.50
Circuit Breaker (MCCB+ELB / ELCB)	A		16.50	21.00	16.00
COP	Nominal Cooling	-	2.74	2.62	2.66
	Nominal Heating	-	3.06	3.10	2.80
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	9.52 x 1	9.52 x 1
	Gas Pipe	Ø, mm	15.88 x 1	15.88 x 1	19.05 x 1
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0	50.0
Refrigerant	Type	-	R22	R22	R22
	Factory Charging	kg	1.8	2.2	2.5
INDOOR UNIT					
Power Supply	Ø, #, V, Hz	1, 2, 220, 60		1, 2, 220, 60	
Fan	Air Flow Rate	CMM	-	-	-
	External Static Pressure	Min. / Std. / Max. mmAq	-	-	-
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure	High / Low	45 /	47 /	49 /
External Dimension	Net Weight	kg	24	29	29
	Shipping Weight	kg	30	35	35
	Net Dimensions (WxHxD)	mm	840 x 218 x 840	840 x 298 x 840	840 x 298 x 840
	Shipping Dimensions (WxHxD)	mm	925 x 280 x 925	925 x 360 x 925	925 x 360 x 925
Panel Size	Panel model	-	-	-	-
	Panel Net Weight	kg	-	-	-
	Shipping Weight	kg	-	-	-
	Net Dimensions (WxHxD)	mm	-	-	-
Additional Accessories	Drain pump	Drain pump	-	-	-
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-
OUTDOOR UNIT					
Power Supply	Ø, #, V, Hz	1, 2, 220, 60		1, 2, 220, 60	
Sound	Sound Pressure		61	65	67
External Dimension	Net Weight	kg	55	84	104
	Shipping Weight	kg	60	89	112
	Net Dimensions (WxHxD)	mm	880 x 648 x 310	880 x 931 x 320	932 x 1128 x 375
	Shipping Dimensions (WxHxD)	mm	1023 x 744 x 413	1062 x 1043 x 411	1091 x 1286 x 472
Operating Temp. Range	Cooling	°C	-5 ~ 54	-5 ~ 54	-5 ~ 54
	Heating	°C	-5 ~ 24	-5 ~ 24	-5 ~ 24

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Optional Accessories

Individual Controllers



Panel



CAC Specification - Indoor Units (R22 | Heat Pump)

Ceiling

- 2Way Installation
- Compact but Powerful



		50Hz		60Hz	
Indoor Unit		FH18ETA1/HAC		FH24ETA1/HAC	
Outdoor Unit		FH18ETX1/HAC		FH24ETX1/HAC	
Mode		Heat Pump		Heat Pump	
Performance	Cooling (Min. / Std. / Max.)	kW	5.6	6.4	5.0
		Btu/h	19,000	22,000	17,000
	Capacity (Nominal)	kW			4.5
	(Outdoor temp. 46°C)	Btu/h			15,400
Energy Grade (C) / Energy Grade (H)	Heating (Min. / Std. / Max.)	kW	5.9	7.2	5.9
		Btu/h	20,000	24,500	20,000
			/	/	/
			/	/	/
Power	Cooling (Min. / Std. / Max.)		2.80	2.80	1.90
	Power Input (Nominal)	kW			2.22
	Heating (Min. / Std. / Max.)		2.80	2.80	1.90
	Cooling (Min. / Std. / Max.)		13.50	13.50	8.80
	Current Input (Nominal)	A			10.30
	Heating (Min. / Std. / Max.)		13.50	13.50	8.80
COP	Nominal Cooling		1.99	2.30	2.62
	Nominal Heating		2.09	2.56	3.09
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	6.35 x 1	6.35 x 1
	Gas Pipe	Ø, mm	15.88 x 1	15.88 x 1	12.7 x 1
	Installation Limitation	Max. Length (Outdoor to indoor)	m	30.0	30.0
		Max. Height (Between ID/OD)	m	15.0	15.0
Refrigerant	Type		R22	R22	R22
	Factory Charging	kg	2.0	2.0	1.5
INDOOR UNIT					
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220, 60
Fan	Air Flow Rate	CMM	-	-	-
	External Static Pressure	Min. / Std. / Max. mmAq	-	-	-
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP30 (OD 38, ID 31)
Sound	Sound Pressure	High / Low dB(A)	51 /	51 /	50 /
External Dimension	Net Weight	kg	22	22	22
	Shipping Weight	kg	26	26	26
	Net Dimensions (WxHxD)	mm	1000 x 200 x 650	1000 x 200 x 650	1000 x 200 x 650
	Shipping Dimensions (WxHxD)	mm	1080 x 230 x 740	1080 x 230 x 740	1080 x 230 x 740
Panel Size	Panel model		-	-	-
	Panel Net Weight	kg	-	-	-
	Shipping Weight	kg	-	-	-
	Net Dimensions (WxHxD)	mm	-	-	-
Additional Accessories	Drain pump	Drain pump	-	-	-
	Max. lifting Height / Displacement	mm / liter/h	-	-	-
	Air Filter		-	-	-
OUTDOOR UNIT					
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220, 60
Sound	Sound Pressure	dB(A)	61	61	61
External Dimension	Net Weight	kg	60	60	55
	Shipping Weight	kg	67	67	60
	Net Dimensions (WxHxD)	mm	880 x 638 x 310	880 x 638 x 310	880 x 638 x 310
	Shipping Dimensions (WxHxD)	mm	1023 x 744 x 413	1023 x 744 x 413	1023 x 744 x 413
Operating Temp. Range	Cooling	°C	-5 ~ 54	-5 ~ 54	-5 ~ 54
	Heating	°C	-5 ~ 24	-5 ~ 24	-5 ~ 24

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00U

Standard Accessories

- Wireless Remote Controller



CAC Specification - Indoor Units (R410A | Heat Pump)



MSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



		Smart Inverter								
Indoor Unit		DH052EAV1	DH070EAV1	DH090EAV1	DH105EAV1	DH105EAV1	DH140EAV1	DH140EAV1		
Model Name		DH052EAV1STK	DH070EAV1STK	DH090EAV1STK	DH105EAV1STK	DH105EAV1	DH140EAV1STK	DH140EAV1		
Outdoor Unit		UH052EAV1	UH070EAV1	UH090EAV1	UH105EAV1	UH105GAV	UH140EAV1	UH140GAV		
Mode		Heat Pump		Heat Pump		Heat Pump		Heat Pump		
Performance	Cooling (Min. / Std. / Max.)	1.7 / 5.0 / 6.0		2.2 / 7.1 / 8.0		2.9 / 9.0 / 10.0		3.4 / 10.5 / 12.0		
	Capacity (Nominal)	5,800 / 17,100 / 20,500		7,500 / 24,200 / 27,300		9,900 / 30,700 / 34,100		11,400 / 35,800 / 40,900		
		1.7 / 6.0 / 8.3		1.9 / 8.0 / 11.0		2.4 / 10 / 11.4		2.6 / 11.2 / 15.5		
		5,800 / 20,500 / 28,300		6,500 / 27,300 / 37,500		8,200 / 32,400 / 38,900		8,900 / 38,200 / 52,900		
Power	Power Input (Nominal)	0.55 / 1.56 / 1.95		0.58 / 2.21 / 2.65		0.8 / 2.8 / 3.4		0.83 / 3.27 / 3.7		
	Current Input (Nominal)	3.1 / 7.5 / 9.3		2.9 / 10 / 12		3.5 / 12.4 / 15.5		3.6 / 15 / 16		
	Circuit Breaker (MCCB+ELB / ELCB)	20		20		30		30		
	COP	Nominal Cooling	3.21		3.21		3.21		3.21	
Piping Connections	Liquid Pipe	6.35 x 1		6.35 x 1		9.52 x 1		9.52 x 1		
	Gas Pipe	12.7 x 1		15.88 x 1		15.88 x 1		15.88 x 1		
	Installation Limitation	50.0		50.0		75.0		75.0		
	Refrigerant	Type	R410A		R410A		R410a		R410a	
INDOOR UNIT										
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		
Fan	Air Flow Rate	16.5		19.6		24.0		28.1		
	External Static Pressure	2000-04-08		2000-04-10		2000-08-12		0 / 8 / 12		
Sound	Sound Pressure	37 / 33		39 / 35		39 / 35		39 / 35		
	External Static Pressure	0 / 39.2 / 78.5		0 / 39.2 / 98.1		0 / 78.5 / 117.7		0 / 78.5 / 117.7		
External Dimension	Net Weight	30		34		34		39		
	Shipping Weight	35		40		40		46		
	Net Dimensions (WxHxD)	900 x 260 x 480		1150 x 260 x 480		1150 x 320 x 480		1150 x 320 x 480		
	Shipping Dimensions (WxHxD)	1146 x 363 x 584		1390 x 345 x 575		1396 x 424 x 524		1396 x 424 x 524		
Additional Accessories	Drain pump	Optional / MDP-M075SGU3		Optional / MDP-M075SGU1		Optional / MDP-M075SGU1		Optional / MDP-E075SGU1		
	Air Filter	Long life filter		Long life filter		Long life filter		Long life filter		
	OUTDOOR UNIT									
	Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		3, 4, 380-415, 50	
External Dimension	Net Weight	50		50		72		95		
	Shipping Weight	53		55		77		110		
	Net Dimensions (WxHxD)	880 x 798 x 310		880 x 798 x 310		940 x 998 x 330		932 x 1128 x 375		
	Shipping Dimensions (WxHxD)	1023 x 704 x 413		1038 x 861 x 406		995 x 1096 x 426		1091 x 1286 x 472		
Operating Temp. Range	Cooling	-15 ~ 43		-15 ~ 43		-15 ~ 50		-15 ~ 50		
	Heating	-20 ~ 24		-20 ~ 24		-20 ~ 24		-20 ~ 24		

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Optional Accessories

- Individual Controllers



- Drain Pump



CAC Specification - Indoor Units (R410A | Heat Pump)



MSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



		R - Inverter			
Indoor Unit		DH052EAS	DH070EAS	DH090EAS	DH105EASSTK
Outdoor Unit		UH052EAS	UH070EAS	UH090EAS	UH105EASSTK
Mode		Heat Pump			
Performance	Capacity (Nominal)	1.6 / 5.0 / 6.0	2.2 / 7.1 / 8.0	3.1 / 9.0 / 10.0	3.2 / 10.5 / 12.0
	Cooling (Min. / Std. / Max.)	5,500 / 17,100 / 20,500	7,500 / 24,200 / 27,300	10,600 / 30,700 / 34,100	10,900 / 35,800 / 40,900
	Heating (Min. / Std. / Max.)	1.5 / 6.0 / 9.0	1.9 / 8.0 / 10.5	2.9 / 9.5 / 13.0	2.0 / 11.2 / 15.5
	Energy Grade (C) / Energy Grade (H)	A / B	C / C	C / C	C / D
Power	Power Input (Nominal)	0.54 / 1.55 / 1.95	0.7 / 2.72 / 3.07	0.85 / 3.2 / 3.6	0.83 / 3.73 / 4.21
	Current Input (Nominal)	2.7 / 7.1 / 8.7	3.1 / 12.4 / 13.7	3.82 / 14 / 15.8	3.6 / 16.5 / 18.5
	Circuit Breaker (MCCB+ELB / ELCB)	20	20	25	30
	COP	3.23	2.61	2.81	2.82
Piping Connections	Liquid Pipe	6.35 x 1	6.35 x 1	6.35 x 1	9.52 x 1
	Gas Pipe	12.7 x 1	15.88 x 1	15.88 x 1	19.05 x 1
	Installation Limitation	30.0	30.0	75.0	75.0
	Refrigerant	R410A	R410A	R410A	R410a
INDOOR UNIT					
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Fan	Air Flow Rate	16.5	21.0	24.0	24.0
	External Static Pressure	2000-04-08	2000-04-08	2000-06-08	0 / 6 / 8
Sound	Sound Pressure	37 / 33	38 / 34	39 / 35	40 / 33
	Net Weight	30	30	33	34
External Dimension	Shipping Weight	35	35	40	40
	Net Dimensions (WxHxD)	900 x 260 x 480	900 x 260 x 480	1150 x 260 x 480	1150 x 260 x 480
	Shipping Dimensions (WxHxD)	1146 x 363 x 584	1146 x 363 x 584	1390 x 345 x 575	1396 x 363 x 584
	Panel Size	Panel model	-	-	-
Additional Accessories	Panel Net Weight	-	-	-	-
	Shipping Weight	-	-	-	-
	Net Dimensions (WxHxD)	-	-	-	-
	Shipping Dimensions (WxHxD)	-	-	-	-
Drain pump	Drain pump	Optional / MDP-M075SGU3	Optional / MDP-M075SGU3	Optional / MDP-M075SGU1	Optional / MDP-E075SGU1
	Max. lifting Height / Displacement	750 / 24	750 / 24	750 / 24	750 / 24
Air Filter	Long life filter	Long life filter	Long life filter	Long life filter	
OUTDOOR UNIT					
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Sound	Sound Pressure	49	52	52	56
External Dimension	Net Weight	50	50	78	95
	Shipping Weight	53	53	85	110
	Net Dimensions (WxHxD)	880 x 638 x 310	880 x 638 x 310	880 x 950 x 320	932 x 1128 x 375
	Shipping Dimensions (WxHxD)	1023 x 704 x 413	1023 x 704 x 413	1043 x 1062 x 411	1091 x 1286 x 472
Operating Temp. Range	Cooling	-15 ~ 43	-15 ~ 43	-15 ~ 43	-15 ~ 50
	Heating	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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Optional Accessories

- Individual Controllers



- Drain Pump



CAC Specification - Indoor Units (R410A | Heat Pump)



Slim Duct

- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain



Indoor Unit		NSD35LHXEA NSD35LHXEASTK		NSD52LHXEA NSD52LHXEASTK		NSD70LHXEA NSD70LHXEASTK				
Outdoor Unit		UH035EAV1 UH035EAV1STK		UH052EAV1 UH052EAV1STK		UH070EAV1 UH070EAV1STK				
Mode		Heat Pump		Heat Pump		Heat Pump				
Performance	Cooling (Min. / Std. / Max.)	kW	0.98 / 3.50 / 4.20	1.70 / 5.00 / 6.00	2.20 / 7.10 / 8.00	Btu/h	3,300 / 11,900 / 14,300	5,800 / 17,100 / 20,500	7,500 / 24,200 / 27,300	
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)	kW	0.98 / 4.00 / 5.20	1.50 / 6.00 / 8.00	1.90 / 8.00 / 11.00	Btu/h	3,300 / 13,600 / 17,700	5,100 / 20,500 / 27,300	6,500 / 27,300 / 37,500
		Heating (Min. / Std. / Max.)	kW	0.98 / 4.00 / 5.20	1.50 / 6.00 / 8.00	1.90 / 8.00 / 11.00	Btu/h	3,300 / 13,600 / 17,700	5,100 / 20,500 / 27,300	6,500 / 27,300 / 37,500
Energy Grade (C) / Energy Grade (H)		B / A		A / A		A / A				
Power	Cooling (Min. / Std. / Max.)	kW	0.26 / 1.15 / 1.4	0.42 / 1.55 / 1.95	0.58 / 2.21 / 2.65					
	Power Input (Nominal)	Cooling	kW	0.21 / 1.11 / 1.7	0.36 / 1.65 / 2.7	0.55 / 2.15 / 3.6				
		Heating (Min. / Std. / Max.)	kW	0.21 / 1.11 / 1.7	0.36 / 1.65 / 2.7	0.55 / 2.15 / 3.6				
	Current Input (Nominal)	Cooling	A	1.7 / 5.3 / 6.4	2.5 / 7.8 / 8.5	2.9 / 10 / 12				
Heating (Min. / Std. / Max.)		A	1.3 / 5.1 / 7.9	2.1 / 7.5 / 12	2.8 / 10 / 16.5					
Circuit Breaker (MCCB+ELB / ELCB)		A	15.00	20.00	20.00					
COP	Nominal Cooling	-	3.04	3.23	3.21					
	Nominal Heating	-	3.62	3.64	3.72					
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	6.35 x 1	6.35 x 1					
	Gas Pipe	Ø, mm	9.52 x 1	12.7 x 1	15.88 x 1					
	Installation Limitation	Max. Length (Outdoor to indoor)	m	20.00	50.00	50.00				
Refrigerant	Type	-	R410A	R410A	R410A					
	Factory Charging	kg	1.00	1.50	1.30					
INDOOR UNIT										
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50				
Fan	Air Flow Rate	CMM	8.5	16.5	19.6					
	External Static Pressure	Min. / Std. / Max. mmAq	2000-02-04	2000-02-04	2000-02-04					
Drain	Drain Pipe	Ø, mm	VP20 (OD 26, ID 20)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)					
	Sound Pressure	High / Low dB(A)	32 / 27	33 / 30	36 / 32					
External Dimension	Net Weight	kg	26	31	34					
	Shipping Weight	kg	31	39	40					
	Net Dimensions (WxHxD)	mm	900 x 199 x 600	1100 x 199 x 600	1150 x 260 x 480					
	Shipping Dimensions (WxHxD)	mm	1133 x 333 x 722	1330 x 330 x 730	1390 x 345 x 575					
Panel Size	Panel model	-	-	-	-					
	Panel Net Weight	kg	-	-	-					
	Shipping Weight	kg	-	-	-					
	Net Dimensions (WxHxD)	mm	-	-	-					
Additional Accessories	Drain pump	Drain pump	Optional / MDP-E075SEE3	Optional / MDP-E075SEE3	Optional / MDP-E075SEE3					
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24				
OUTDOOR UNIT										
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220-240, 50		3, 4, 380-415, 50				
Sound	Sound Pressure	dB(A)	47	49	50					
External Dimension	Net Weight	kg	36	50	50					
	Shipping Weight	kg	38	53	55					
	Net Dimensions (WxHxD)	mm	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310					
	Shipping Dimensions (WxHxD)	mm	938 x 610 x 382	1023 x 704 x 413	1038 x 861 x 406					
Operating Temp. Range	Cooling	°C	-10 ~ 43	-15 ~ 43	-15 ~ 43					
	Heating	°C	-15 ~ 24	-20 ~ 24	-20 ~ 24					

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Optional Accessories

- Individual Controllers



- Individual Controllers



CAC Specification - Indoor Units (R410A | Heat Pump)



4Way Cassette S

- Filter Cleaning Robot (Optional)
- S-Plasma ion (Optional)
- Motion Detect Sensor (Optional)
- Individual Blade Control



Indoor Unit		NS0714DXEA	NS0904DXEA	NS1004DXEA	NS1004DXEA	
Outdoor Unit		RC071DXEA	RC090DXEA	RC100DXEA	RC100DXGA	
Mode		Heat Pump		Heat Pump		
Performance	Cooling (Min. / Std. / Max.)	kW	2.2 / 7.1 / 8.0	3.0 / 9.0 / 10.0	3.2 / 10.0 / 12.0	
		Btu/h	7,500 / 24,200 / 27,300	10,200 / 30,700 / 34,100	10,900 / 34,100 / 40,900	
	Capacity (Nominal)	kW				
		Btu/h				
Energy Grade (C) / Energy Grade (H)	Cooling (Outdoor temp. 46°C)	kW	1.9 / 8.0 / 11.0	2.2 / 10.0 / 13.9	2.2 / 11.2 / 15.5	
		Btu/h	6,500 / 27,300 / 37,500	7,500 / 34,100 / 47,400	7,500 / 38,200 / 52,900	
	Heating (Min. / Std. / Max.)	kW				
		Btu/h				
Power	Power Input (Nominal)	kW	A / A	A / A	A / A	
	Cooling (Min. / Std. / Max.)		0.90 / 2.21 / 3.20	0.6 / 2.8 / 3.7	0.6 / 3.12 / 4.7	
	Heating (Min. / Std. / Max.)		0.35 / 2.21 / 4.00	0.46 / 2.77 / 5.2	0.5 / 3.1 / 5.2	
	Current Input (Nominal)	A	2.1 / 10.5 / 21.0	3 / 12.5 / 18.7	3 / 13.8 / 20.5	
	Cooling (Min. / Std. / Max.)		2.1 / 10.5 / 21.0	2.5 / 12.2 / 22.7	2.6 / 13.8 / 24	
	Heating (Min. / Std. / Max.)				1.9 / 5 / 16.1	
COP	Nominal Cooling	-	3.21	3.21	3.21	
	Nominal Heating	-	3.62	3.61	3.61	
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	9.52 x 1	9.52 x 1	
	Gas Pipe	Ø, mm	15.88 x 1	15.88 x 1	15.88 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	50.00	50.00	50.00
		Max. Height (Between ID/OD)	m	30.00	30.00	30.00
Refrigerant	Type	-	R410A	R410A	R410A	
	Factory Charging	kg	1.80	3.00	3.00	
INDOOR UNIT						
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220-240, 50		
Fan	Air Flow Rate	CMM	18.0	24.5	27.5	
	External Static Pressure	Min. / Std. / Max. mmAq	-	-	-	
Drain	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Sound	Sound Pressure	High / Low	36/28	40/32	44/34	
	Net Weight	kg	15	17	17	
External Dimension	Shipping Weight	kg	20	22	22	
	Net Dimensions (WxHxD)	mm	840 x 204 x 840	840 x 246 x 840	840 x 246 x 840	
	Shipping Dimensions (WxHxD)	mm	898 x 274 x 898	898 x 316 x 898	898 x 316 x 898	
Panel Size	Panel model	-	PC4NUSKA / PC4NUSKE	PC4NUSKA / PC4NUSKE	PC4NUSKA / PC4NUSKE	
	Panel Net Weight	kg	5.9	5.9	5.9	
	Shipping Weight	kg	8.4	8.4	8.4	
	Net Dimensions (WxHxD)	mm	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	
	Shipping Dimensions (WxHxD)	mm	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	
Additional Accessories	Drain pump	Drain pump	Built-in	Built-in	Built-in	
	Air Filter	Max. lifting Height / Displacement	750 / 24	750 / 24	750 / 24	
OUTDOOR UNIT						
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220-240, 50		
Sound	Sound Pressure	dB(A)	49	51	52	
External Dimension	Net Weight	kg	50	72	81	
	Shipping Weight	kg	55	77	86	
	Net Dimensions (WxHxD)	mm	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	
Operating Temp. Range	Cooling	°C	-5 ~ 46	-15 ~ 50	-15 ~ 50	
	Heating	°C	-15 ~ 24	-20 ~ 24	-20 ~ 24	

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Optional Accessories

▪ Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MWR-DH00

▪ Panel



PC4NUSKA



PC4NUSKE

CAC Specification - Indoor Units (R410A | Heat Pump)



4Way Cassette S

- Filter Cleaning Robot (Optional)
- S-Plasma ion (Optional)
- Motion Detect Sensor (Optional)
- Individual Blade Control



Indoor Unit		NS1254DXEA	NS1254DXEA	NS1404DXEA	NS1404DXEA
Outdoor Unit		RC125DHXEB	RC125DHXGA	RC140DHXEB	RC140DHXGA
Mode		Heat Pump		Heat Pump	
Performance	Cooling (Min. / Std. / Max.)	3.5 / 12.5 / 14.0		3.5 / 14.0 / 15.5	
	Capacity (Nominal)	11,900 / 42,700 / 47,800		11,900 / 47,800 / 52,900	
	Cooling (Outdoor temp. 46°C)	11,900 / 42,700 / 47,800		11,900 / 47,800 / 52,900	
	Heating (Min. / Std. / Max.)	3.0 / 14.0 / 16.2		3.5 / 16.0 / 18.0	
Energy Grade (C) / Energy Grade (H)		A / A		A / A	
Power	Power Input (Nominal)	0.8 / 3.89 / 4.5		0.8 / 4.36 / 5.4	
	Current Input (Nominal)	4 / 18 / 20		3.7 / 20 / 24	
	Circuit Breaker (MCCB+ELB / ELCB)	30.0		30.0	
	COP	3.21		3.21	
Piping Connections	Liquid Pipe	9.52 x 1		9.52 x 1	
	Gas Pipe	15.88 x 1		15.88 x 1	
	Installation Limitation	75.00		75.00	
	Refrigerant	R410A		R410A	
INDOOR UNIT					
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220-240, 50	
Fan	Air Flow Rate	30.0		30.0	
	External Static Pressure	-		-	
Drain	Drain Pipe	VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)	
Sound	Sound Pressure	44/36		45/38	
	External Dimension	19		21	
Panel Size	Net Weight	24		26	
	Shipping Weight	840 x 288 x 840		840 x 288 x 840	
	Net Dimensions (WxHxD)	898 x 357 x 898		898 x 357 x 898	
	Shipping Dimensions (WxHxD)	1005 x 100 x 1005		1005 x 100 x 1005	
Additional Accessories	Drain pump	Built-in		Built-in	
	Air Filter	Long life filter		Long life filter	
OUTDOOR UNIT					
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		3, 4, 380-415, 50	
Sound	Sound Pressure	51		52	
	External Dimension	88		91	
Operating Temp. Range	Net Weight	98		101	
	Shipping Weight	940 x 1210 x 330		940 x 1210 x 330	
	Net Dimensions (WxHxD)	995 x 1338 x 426		995 x 1338 x 426	
	Shipping Dimensions (WxHxD)	-15 ~ 50		-15 ~ 50	
		-20 ~ 24		-20 ~ 24	

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Optional Accessories

Individual Controllers



Panel



CAC Specification - Indoor Units (R410A | Heat Pump)



4Way Cassette

- Stylish Panel Design
- Efficient Cooling
- New Turbo Fan
- Easy Leveling



		Smart Inverter				R - Inverter			
Indoor Unit		CH070EAV1 CH070EAV1STK	CH090EAV CH090EAVSTK	CH105EAV CH105EAVSTK	CH140EAV CH140EAVSTK	CH090EAS CH090EASSTK	CH105EAVSTK	CH140EAVSTK	
Outdoor Unit		UH070EAV1 UH070EAV1STK	UH090EAV UH090EAVSTK	UH105EAV UH105EAVSTK	UH140EAV UH140EAVSTK	UH090EAS UH090EASSTK	UH105GAVSTK	UH140GAVSTK	
Mode		Heat Pump		t P p	Heat Pump	u p	Heat Pump	Heat P mp	
Performance	Cooling (Min. / Std. / Max.)	kW 2.1 / 7.1 / 8.2		2.9 / 9.4 / 10.4		3.2 / 10.5 / 12.0		3.8 / 14.0 / 15.4	
	Btu/h	7,200 / 24,200 / 28,000		9,900 / 32,100 / 35,300		10,900 / 35,800 / 40,900		13,000 / 47,800 / 52,500	
	Capacity (Nominal)	kW 2.0 / 8.0 / 11.3		2.4 / 11.0 / 13.4		2.6 / 11.2 / 15.5		3.5 / 16.0 / 19.5	
	Btu/h	6,800 / 27,300 / 38,600		8,200 / 37,500 / 45,700		8,900 / 38,200 / 52,900		11,800 / 54,600 / 66,500	
Power	Energy Grade (C) / Energy Grade (H)	A / A		A / A		A / A		B / B	
	Cooling (Min. / Std. / Max.)	kW 0.51 / 2.12 / 2.7		0.7 / 2.93 / 3.4		0.7 / 3.27 / 3.8		0.9 / 4.65 / 5.4	
	Power Input (Nominal)	kW 0.51 / 2.19 / 3.8		0.58 / 3.05 / 5.5		0.58 / 3.1 / 5.6		0.75 / 4.69 / 6.4	
	Heating (Min. / Std. / Max.)	A 2.8 / 9.7 / 12.1		3 / 13 / 15		3 / 15 / 16.5		4 / 20 / 23.5	
COP	Current Input (Nominal)	A 2.6 / 10 / 16.9		2.5 / 13.5 / 24.5		2.6 / 13.8 / 25		3.3 / 20.5 / 27.5	
	Circuit Breaker (MCCB+ELB / ELCB)	A 20		25		30		40	
	Nominal Cooling	-		3.35		3.21		3.01	
	Nominal Heating	-		3.61		3.61		3.41	
Piping Connections	Liquid Pipe	Ø, mm 6.35 x 1		9.52 x 1		9.52 x 1		9.52 x 1	
	Gas Pipe	Ø, mm 15.88 x 1		15.88 x 1		15.88 x 1		15.88 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor) m 50.0		75.0		75.0		75.0	
	Max. Height (Between ID/OD) m 30.0	30.0		30.0		30.0		30.0	
Refrigerant	Type	R410a		0		0		R410a	
	Factory Charging	kg 1.9		2.6		2.8		2.8	
INDOOR UNIT									
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50	
Fan	Air Flow Rate	CMM 24.0		24.0		25.7		28.0	
	External Static Pressure	Min. / Std. / Max. mmAq -		-		-		-	
Drain	Drain Pipe	Ø, mm VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)	
Sound	Sound Pressure	High / Low dB(A) 39 / 32		39 / 32		40 / 33		45 / 38	
	Net Weight	kg 29		29		29		29	
External Dimension	Shipping Weight	kg 35		35		35		35	
	Net Dimensions (WxHxD)	mm 840 x 288 x 840		840 x 288 x 840		840 x 288 x 840		840 x 288 x 840	
	Shipping Dimensions (WxHxD)	mm 926 x 360 x 926		926 x 360 x 926		926 x 360 x 926		926 x 360 x 926	
	Panel Size	Panel model	P4SMA		P4SMA		P4SMA		P4SMA
Additional Accessories	Panel Net Weight	kg 7		7		7		7	
	Shipping Weight	kg 10.3		10.3		10.3		10.3	
	Net Dimensions (WxHxD)	mm 950 x 35 x 950		950 x 35 x 950		950 x 35 x 950		950 x 35 x 950	
	Shipping Dimensions (WxHxD)	mm 1042 x 103 x 1042		1042 x 103 x 1042		1042 x 103 x 1042		1042 x 103 x 1042	
Drain pump	Drain pump	Built-in		Built-in		Built-in		Built-in	
	Max. lifting Height / Displacement	mm / liter/h 750 / 24		750 / 24		750 / 24		750 / 24	
Air Filter									
OUTDOOR UNIT									
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50	
Sound	Sound Pressure	dB(A) 50		52		53		55	
External Dimension	Net Weight	kg 57		95		95		105	
	Shipping Weight	kg 61		110		110		120	
	Net Dimensions (WxHxD)	mm 880 x 798 x 310		932 x 1128 x 375		932 x 1128 x 375		880 x 950 x 320	
	Shipping Dimensions (WxHxD)	mm 1038 x 861 x 413		1091 x 1286 x 472		1091 x 1286 x 472		1043 x 1062 x 411	
Operating Temp. Range	Cooling	°C -15 ~ 43		-15 ~ 50		-15 ~ 50		-15 ~ 50	
	Heating	°C -20 ~ 24		-20 ~ 24		-20 ~ 24		-20 ~ 24	

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MWR-DH00

Panel



PC095MCS / PC095MC1S
PC095MC2S / PC095MC3S

CAC Specification - Indoor Units (R410A | Heat Pump)



Mini 4Way Cassette

- Ideal Compact Size
- Fan Speed Adjustment



Indoor Unit		TH026EAV1	TH035EAV1	TH052EAV1	TH060EAV1	
Model Name	Indoor Unit	TH026EAV1STK	TH035EAV1STK	TH052EAV1STK	TH060EAV1STK	
	Outdoor Unit	UH026EAV1	UH035EAV1	UH052EAV1	UH060EAV1	
	Mode	Heat Pump		Heat Pump		
Performance	Cooling (Min. / Std. / Max.)	kW	0.99 / 2.6 / 3.5	1.0 / 3.5 / 4.2	1.6 / 4.7 / 6.0	
		Btu/h	3,400 / 8,900 / 12,300	3,400 / 11,900 / 14,300	5,500 / 16,000 / 20,500	6,100 / 19,800 / 22,200
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)	kW			
		Btu/h				
Heating (Min. / Std. / Max.)	kW	0.98 / 3.3 / 4.6	1.0 / 4.0 / 5.0	1.3 / 5.5 / 9.0	1.8 / 7.0 / 10.0	
	Btu/h	3,300 / 11,300 / 15,700	3,300 / 13,600 / 17,100	4,400 / 18,800 / 30,700	6,100 / 23,900 / 34,100	
	Energy Grade (C) / Energy Grade (H)	A / A	A / A	A / B	B / C	
Power	Cooling (Min. / Std. / Max.)	kW	0.26 / 0.73 / 1.1	0.26 / 1.09 / 1.4	0.55 / 1.93 / 2.2	
		Power Input (Nominal)	kW			
	Heating (Min. / Std. / Max.)	kW	0.24 / 0.9 / 1.4	0.25 / 1.1 / 1.4	0.48 / 1.59 / 3.2	0.51 / 2.18 / 3.7
		Current Input (Nominal)	A	1.6 / 3.4 / 5.1	1.6 / 5 / 6.4	2.4 / 6.7 / 10
Circuit Breaker (MCCB+ELB / ELCB)	A	15	15	20	20	
COP	Nominal Cooling	-	3.56	3.21	3.01	
	Nominal Heating	-	3.67	3.64	3.46	3.21
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35 x 1	6.35 x 1	
	Gas Pipe	Ø, mm	9.52	9.52 x 1	12.7 x 1	15.88 x 1
	Installation Limitation	Max. Length (Outdoor to indoor)	m	20.0	20.0	50.0
		Max. Height (Between ID/OD)	m	15.0	15.0	30.0
Refrigerant	Type	-	R410A	R410A	R410A	
	Factory Charging	kg	-	1.0	1.5	1.5
INDOOR UNIT						
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
Fan	Air Flow Rate	CMM	11.0	12.0	12.9	13.6
	External Static Pressure	Min. / Std. / Max. mmAq	-	-	-	-
Drain	Drain Pipe	Ø, mm	VP25 (OD32, ID25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Sound	Sound Pressure	High / Low	30 / 25	34 / 27	41 / 33	41 / 33
External Dimension	Net Weight	kg	17	17	17	17
	Shipping Weight	kg	20	20	20	20
	Net Dimensions (WxHxD)	mm	575 x 260 x 575	575 x 260 x 575	575 x 260 x 575	575 x 260 x 575
	Shipping Dimensions (WxHxD)	mm	660 x 310 x 635	660 x 310 x 635	660 x 310 x 635	660 x 310 x 635
Panel Size	Panel model	-	PMSMA	PMSMA	PMSMA	PMSMA
	Panel Net Weight	kg	3	3	3	3
	Shipping Weight	kg	5	5	5	5
	Net Dimensions (WxHxD)	mm	670 x 35 x 670	670 x 35 x 670	670 x 35 x 670	670 x 35 x 670
Additional Accessories	Drain pump	Drain pump	Built-in	Built-in	Built-in	Built-in
	Air Filter	Max. lifting Height / Displacement	750 / 24	750 / 24	750 / 24	750 / 24
			Long life filter	Long life filter	Long life filter	Long life filter
OUTDOOR UNIT						
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
Sound	Sound Pressure		47	47	49	52
External Dimension	Net Weight	kg	36	36	50	57
	Shipping Weight	kg	38	38	53	61
	Net Dimensions (WxHxD)	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
	Shipping Dimensions (WxHxD)	mm	938 x 610 x 382	938 x 610 x 382	1023 x 704 x 413	1038 x 861 x 413
Operating Temp. Range	Cooling	°C	-10 ~ 43	-10 ~ 43	-15 ~ 43	-15 ~ 43
	Heating	°C	-15 ~ 24	-15 ~ 24	-20 ~ 24	-20 ~ 24

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MWR-CH00

- Panel



PMSMA

CAC Specification - Indoor Units (R410A | Heat Pump)



Slim 1Way Cassette

- Slim and Compact Design
- Quiet Operation
- No Overflowing Drain Water



Indoor Unit		SH026EAV1	SH035EAV1	
Model Name		SH026EAV1STK	SH035EAV1STK	
Outdoor Unit		UH026EAV1	UH035EAV1	
Mode		Heat Pump	Heat Pump	
Performance	Cooling (Min. / Std. / Max.)	kW	1.0 / 2.6 / 3.5	
		Btu/h	3,300 / 8,900 / 11,900	
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)	kW	
		Btu/h		
Energy Grade (C) / Energy Grade (H)	Heating (Min. / Std. / Max.)	kW	1.0 / 3.3 / 4.6	
		Btu/h	3,200 / 11,300 / 15,700	
			3,200 / 13,600 / 16,200	
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	kW	0.25 / 0.7 / 1.12
		Heating (Min. / Std. / Max.)		0.21 / 0.91 / 1.3
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	1.6 / 3.3 / 5.2
		Heating (Min. / Std. / Max.)		1.4 / 5.3 / 6.4
COP	Nominal Cooling		3.74	
	Nominal Heating		3.63	
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	
	Gas Pipe	Ø, mm	9.52 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	20.0
		Max. Height (Between ID/OD)	m	15.0
Refrigerant	Type		R410A	
	Factory Charging	kg	1.0	
INDOOR UNIT				
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	
Fan	Air Flow Rate	CMM	8.0	
	External Static Pressure	Min. / Std. / Max. mmAq	-	
Drain	Drain Pipe	Ø, mm	VP20 (OD 26, ID 20)	
Sound	Sound Pressure	High / Low	30 / 25	
External Dimension	Net Weight	kg	10	
	Shipping Weight	kg	13	
	Net Dimensions (WxHxD)	mm	970 x 135 x 410	
	Shipping Dimensions (WxHxD)	mm	1164 x 212 x 478	
Panel Size	Panel model		PSSMA	
	Panel Net Weight	kg	3.1	
	Shipping Weight	kg	4.5	
	Net Dimensions (WxHxD)	mm	1180 x 25 x 460	
Additional Accessories	Drain pump	Drain pump	Built-in	
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	750 / 24
OUTDOOR UNIT				
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	
Sound	Sound Pressure		47	
External Dimension	Net Weight	kg	36	
	Shipping Weight	kg	38	
	Net Dimensions (WxHxD)	mm	790 x 548 x 285	
	Shipping Dimensions (WxHxD)	mm	938 x 610 x 382	
Operating Temp. Range	Cooling	°C	-10 ~ 43	
	Heating	°C	-15 ~ 24	

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Optional Accessories



Ceiling

- 2Way Installation
- Compact but Powerful



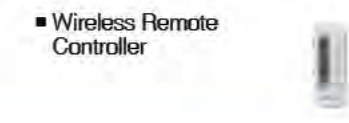
Indoor Unit		FH052EAV1	NS071CDXEA	
Model Name		FH052EAV1STK	NS071CDXEASTK	
Outdoor Unit		UH052EAV1	RC071DHXEA	
Mode		He Pump	Heat Pump	
Performance	Cooling (Min. / Std. / Max.)	kW	1.7 / 5.0 / 5.6	
		Btu/h	5,800 / 17,100 / 19,100	
	Capacity (Nominal)	Cooling (Outdoor temp. 46°C)	kW	
		Btu/h		
Energy Grade (C) / Energy Grade (H)	Heating (Min. / Std. / Max.)	kW	1.7 / 6.0 / 8.0	
		Btu/h	5,800 / 20,500 / 27,300	
			6,800 / 27,300 / 35,800	
Power	Power Input (Nominal)	Cooling (Min. / Std. / Max.)	kW	0.48 / 1.66 / 1.9
		Heating (Min. / Std. / Max.)		0.43 / 1.87 / 3.05
	Current Input (Nominal)	Cooling (Min. / Std. / Max.)	A	2.8 / 7.8 / 9
		Heating (Min. / Std. / Max.)		2.4 / 8.8 / 14.5
COP	Nominal Cooling		3.01	
	Nominal Heating		3.21	
Piping Connections	Liquid Pipe	Ø, mm	6.35 x 1	
	Gas Pipe	Ø, mm	12.7 x 1	
	Installation Limitation	Max. Length (Outdoor to indoor)	m	50.0
		Max. Height (Between ID/OD)	m	30.0
Refrigerant	Type		R410A	
	Factory Charging	kg	1.5	
INDOOR UNIT				
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	
Fan	Air Flow Rate	CMM	14.5	
	External Static Pressure	Min. / Std. / Max. mmAq	-	
Drain	Drain Pipe	Ø, mm	VP18 (OD 19, ID 16)	
Sound	Sound Pressure	High / Low	38 / 32	
External Dimension	Net Weight	kg	22	
	Shipping Weight	kg	26	
	Net Dimensions (WxHxD)	mm	1000 x 200 x 650	
	Shipping Dimensions (WxHxD)	mm	1074 x 294 x 726	
Panel Size	Panel model		-	
	Panel Net Weight	kg	-	
	Shipping Weight	kg	-	
	Net Dimensions (WxHxD)	mm	-	
Additional Accessories	Drain pump	Drain pump	-	
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-
OUTDOOR UNIT				
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	
Sound	Sound Pressure		49	
External Dimension	Net Weight	kg	50	
	Shipping Weight	kg	54	
	Net Dimensions (WxHxD)	mm	880 x 638 x 310	
	Shipping Dimensions (WxHxD)	mm	1023 x 704 x 413	
Operating Temp. Range	Cooling	°C	-15 ~ 43	
	Heating	°C	-20 ~ 24	

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Optional Accessories



Standard Accessories



DVM Lineup & Feature - Outdoor Units

DVM Plus VHP / HR	IMAGE	MODEL	CAPACITY	SINGLE										MODULE															
				8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58
COMPACT MODULE		RD080HHXGA (RD080HRXGA)	8 HP	1																									
		RD100HHXGA (RD100HRXGA)	10 HP		1									1															
		RD120HHXGA (RD120HRXGA)	12 HP			1								1	1	1	1												
		RD140HHXGA (RD140HRXGA)	14 HP				1											1											
		RD160HHXGA (RD160HRXGA)	16 HP					1										1											
		RD180HHXGA (RD180HRXGA)	18 HP						1											1									
		RD200HHXGA (RD200HRXGA)	20 HP								1											1	1	1	1	1	1	1	1
DVM Plus VHP / HR	HIGH EFFICIENCY MODULE		RD080HHXGA (RD080HRXGA)	8 HP	1																								
			RD100HHXGA (RD100HRXGA)	10 HP		1																							
			RD120HHXGA (RD120HRXGA)	12 HP			1																						
			RD140HHXGA (RD140HRXGA)	14 HP				1																					
			RD160HHXGA (RD160HRXGA)	16 HP					1																				

* If you wish to install outdoor unit module with capacity over 60 HP, please contact local Samsung Dealer.

DVM PLUS IV Features

High Efficiency

- DVI (Digital Vapor Injection) Compressor
- Vapor Injection
- PHE (Plate Heat Exchanger)
- Bigger and Better Heat Exchanger
- World Class Energy Efficiency in Heating and Cooling

Large Capacity

- 20HP Single Outdoor Unit
- 80HP Outdoor Unit Module
- Smallest Footprint Area and Lighter Weight
- Economical Installation Cost

Advanced and Reliable Protection

- Sequential Operation of Compressor
- Oil Balancing Control
- Self-diagnose Mode
- Corrosion & Frost Resistant
- Pre-Protection System

Easy Installation & Maintenance

- Longest Piping Length and Highest Elevation
- Optimized Refrigerant Distribution Control
- Automatic Data Backup
- Easier Access for Status Check and Option Settings

Eco-friendly

- Decreased CO₂ Emission
- R410A Refrigerant
- Europe Eco-friendly RoHS Technology Certification
- WEEE

Pleasant Operation

- Silent Operation at Nighttime
- Top Heating Performance at Low Ambient Temperature
- Stable Heating Operation



DVM Lineup & Feature - Outdoor Units

DVM Plus III HP / HR	IMAGE	MODEL	CAPACITY	SINGLE									MODULE																												
				8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64									
COMPACT MODULE		RVXVHT080GE (RVXVRT080GE)	8 HP	1						1																															
		RVXVHT100GE (RVXVRT100GE)	10 HP		1					1	2	1	1			1											1	1	1												
		RVXVHT120GE (RVXVRT120GE)	12 HP			1										1		2	2	2	2	1						3	3	1											1
		RVXVHT140GE (RVXVRT140GE)	14 HP				1									1	2	1			1		1	2	1				1									1			1
		RVXVHT160GE (RVXVRT160GE)	16 HP							1								1	2								1	1	1	2	3					1	2	2	3	3	4

DVM Plus III HP / HR	IMAGE	MODEL	CAPACITY	SINGLE									MODULE																													
				8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56														
HIGH EFFICIENCY MODULE		RVXVHT080GE (RVXVRT080GE)	8 HP	1						2	1			3									2	1																		
		RVXVHT100GE (RVXVRT100GE)	10 HP		1						1	2	1													1	2	3	2	2	1	1					3	2	2	1		
		RVXVHT120GE (RVXVRT120GE)	12 HP			1																						1	1										1	2	1	
		RVXVHT140GE (RVXVRT140GE)	14 HP				1																						1	1	2	2					2	2	2	3	4	

DVM Plus III	IMAGE	MODEL	CAPACITY	SINGLE					MODULE																															
				8	10	12	16	18	20	22	24	26	28	30	32	34	36																							
High Ambient temperature		RD080VQXGA	8	1				2	1						2	1																								
		RD100VQXGA	10		1					1	2	1						1	2	3	2	1																		
		RD120VQXGA	12			1																								1	2	3								

DVM PLUS III Features

High Efficiency

- Digital Hybrid System
- High Efficient Ø8 Heat Exchanger
- New G-fin
- High COP

Easy Installation & Maintenance

- Large Capacity
- Small Footprint Area
- Digital Unit Module
- Automatic Data Backup

Eco-friendly

- Decreased CO₂ Emission
- R410A Refrigerant
- Europe Eco-friendly RoHS Technology Certification
- WEEE



Mini DVM Lineup

DVM Mini	IMAGE	PHASE	CAPACITY		
			4HP	5HP	6HP
		1 Phase	•	•	
		3 Phase		•	•












Mini DVM Features

- High Energy Efficiency
- Compact Design
- Easy Maintenance
- High Reliability
- Various Indoor Units
- Wide Compatibility










DVM Lineup & Feature - Indoor Units







Cassette

MODEL		 4WAY CASSETTE S	 4WAY CASSETTE	 MINI 4WAY	 SLIM 1WAY	 2WAY
CAPACITY	2.2				•	
	2.8			•	•	
	3.6			•	•	
	4.5	•	•			
	5.6	•	•	•		•
	6.0			•		
	7.1	•	•			•
	9.0	•	•			
	11.2	•	•			
	12.8	•	•			
14.0	•	•				
FEATURES	 Wide Blade	•	•		•	
	 Ceiling Soiling Prevention	•	•		•	
	 Fresh Air Intake	•	•			
	 High Lift-Up Drain Pump	•	•	•	•	•
	 Quick Connection of Drain Pipe		•	•	•	•
	 Sub Duct	•				








Duct

MODEL		 SLIM	 MSP
CAPACITY	2.2	•	
	2.8	•	
	3.6	•	
	4.5	•	
	5.6	•	•
	7.1	•	•
	9.0	•	•
	14.0	•	•
FEATURES	 Anti-Bacteria Filter	•	•
	 Easy Filter Cleaning	•	•
	 High Lift-Up Drain Pump	•	•
	 Smart Pressure Control	•	•
	 Wired Remote Controller		•

Wall-mounted

MODEL		 VIVACE	 NEO FORTE	 NEO FORTE - E
CAPACITY	2.2	•	•	•
	2.8	•	•	•
	3.6	•	•	•
	5.6	•	•	•
	7.1	•	•	•
FEATURES	 S-Plasma ion	•		
	 Deodorizing Filter	•	•	•
	 Catechin Filter	•	•	•

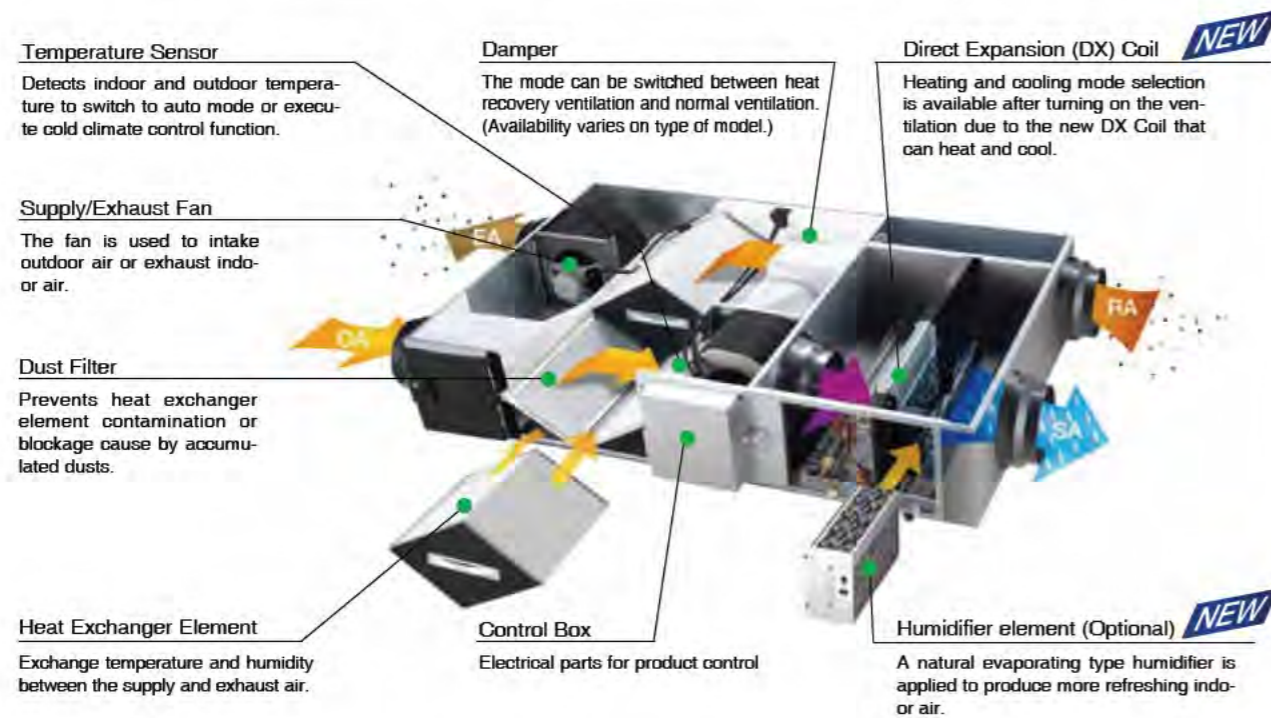
Console & Ceiling

MODEL		 CONSOLE	 CEILING
CAPACITY	2.8	•	
	3.6	•	
	5.6		•
	7.1		•
FEATURES	 S-Plasma ion	•	
	 Interior Design	•	•
	 Anti-Bacteria Filter	•	•
	 Light Weight	•	•
	 Flexible Pipe Installation	•	•

DVM Lineup & Feature - ERV

Model	Air Volume	250	350	500	800	1000
ERV PLUS						
				RHF050KHEA		RHF100KHEA
ERV						
		RHF025EE RHF025ETE	RHF035EE RHF035ETE	RHF050EE RHF050ETE	RHF080EE RHF080ETE	RHF100EE RHF100ETE

Structure of ERV PLUS System



Features of ERV / ERV PLUS



	ERV PLUS	ERV
Damper	•	•
Direct Expansion (DX) Coil	•	
Humidifier element (Optional)	•	
Supply/Exhaust Fan	•	•
Dust Filter	•	•
Heat Exchanger Element	•	•
Control Box	•	•
Temperature Sensor	•	•
CO ₂ Sensor (Optional)	•	•
BLDC Fan Motor	•	•
Energy Saving Operation (Auto Mode)	•	•
New Diamond Type Element	•	•
Flexible Installation		•
Slim Design	•	•
Silent Operation	•	•

DVM Specification - Outdoor Units



DVM PLUS IV

DIGITAL VARIABLE MULTI

- High Efficiency
- Large Capacity
- Advanced and Reliable Protection
- Easy Installation & Maintenance
- Pleasant Operation
- Eco-friendly

Model Name	DVM PLUS IV HP		RD080HHXGA	RD100HHXGA	
	DVM PLUS IV HR		RD080HRXGASTK	RD100HRXGASTK	
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50	3, 4, 380-415, 50	
Mode	-		HP / HR	HP / HR	
Performance	Capacity (Nominal)	HP	8	10	
		HR	22.4	28.0	
	Cooling	kW	76,400	95,500	
		Btu/h	25.2	31.5	
Heating	kW	86,000	107,500		
	Btu/h	5.20	7.04		
Power	Power Input (Nominal)	Cooling	5.20	6.89	
		Heating	5.46	7.04	
	Current Input (Nominal)	Cooling	8.80	13.00	
		Heating	11.40	12.70	
Circuit Breaker (MCCB+ELB / ELCB)		A	30	30	
COP	Nominal Cooling	-	4.31	3.98	
	Nominal Heating	-	4.62	4.57	
Fan	Air Flow Rate	CMM	173	173	
	Liquid Pipe	Ø, mm	9.52	9.52	
	Gas Pipe	Ø, mm	19.05	22.23	
Piping Connections	Discharge Gas Pipe	(DVM PLUS IV HR) Ø, mm	15.88	19.05	
	Oil Equalizing Pipe	Ø, mm	-	-	
	Installation Limitation	Max. Length	m	200	200
		Max. Height	m	50 (40)	50 (40)
Refrigerant	Type	-	R410a	R410a	
	Factory Charging	kg	5.0	5.0	
Sound	Sound Pressure	DVM PLUS IV HP	57	58	
		DVM PLUS IV HR	237	243	
External Dimension	Net Weight	DVM PLUS IV HP	243	243	
		DVM PLUS IV HR	253	253	
	Shipping Weight	DVM PLUS IV HP	259	259	
		DVM PLUS IV HR	259	259	
Net Dimensions (WxHxD)		mm	880 x 1695 x 765	880 x 1695 x 765	
Shipping Dimensions (WxHxD)		mm	948 x 1912 x 832	948 x 1912 x 832	
Operating Temp. Range	Cooling	°C	-5 ~ 48	-5 ~ 48	
	Heating	°C	-20 ~ 24	-20 ~ 24	

Model Name	DVM PLUS IV HP		RD120HHXGA	RD140HHXGA	RD160HHXGA	RD180HHXGA	RD200HHXGA	
	DVM PLUS IV HR		RD120HRXGASTK	RD140HRXGASTK	RD160HRXGASTK	RD180HRXGASTK	RD200HRXGASTK	
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	
Mode	-		HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	
Performance	Capacity (Nominal)	HP	12	14	16	18	20	
		HR	33.6	39.2	44.8	50.4	56.0	
	Cooling	kW	114,600	133,800	152,900	172,000	191,100	
		Btu/h	37.8	44.1	50.4	56.7	63.0	
Heating	kW	129,000	150,500	172,000	193,500	215,000		
	Btu/h	9.20	10.10	12.00	15.70	17.00		
Power	Power Input (Nominal)	Cooling	8.50	9.65	11.30	12.90	14.50	
		Heating	20.00	20.90	22.00	31.30	32.80	
	Current Input (Nominal)	Cooling	18.40	19.40	27.20	26.70	29.10	
		Heating	A	40	40	50	60	60
Circuit Breaker (MCCB+ELB / ELCB)		A	40	40	50	60	60	
COP	Nominal Cooling	-	3.65	3.88	3.73	3.21	3.29	
	Nominal Heating	-	4.45	4.57	4.46	4.40	4.34	
Fan	Air Flow Rate	CMM	210	226	250	270	275	
	Liquid Pipe	Ø, mm	12.70	12.70	12.70	15.88	15.88	
	Gas Pipe	Ø, mm	25.40	25.40	28.58	28.58	28.58	
Piping Connections	Discharge Gas Pipe	(DVM PLUS IV HR) Ø, mm	22.23	22.23	25.40	25.40	25.40	
	Oil Equalizing Pipe	Ø, mm	-	-	-	-	-	
	Installation Limitation	Max. Length	m	200	200	200	200	200
		Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)
Refrigerant	Type	-	R410a	R410a	R410a	R410a	R410a	
	Factory Charging	kg	5.0	7.0	7.0	8.5	8.5	
Sound	Sound Pressure	DVM PLUS IV HP	60	60	60	60	61	
		DVM PLUS IV HR	240	280	329	340	349	
External Dimension	Net Weight	DVM PLUS IV HP	243	293	338	349	355	
		DVM PLUS IV HR	256	301	350	361	370	
	Shipping Weight	DVM PLUS IV HP	259	314	359	369	376	
		DVM PLUS IV HR	259	314	359	369	376	
Net Dimensions (WxHxD)		mm	880 x 1695 x 765	1295 x 1695 x 765	1295 x 1695 x 765	1295 x 1695 x 765	1295 x 1695 x 765	
Shipping Dimensions (WxHxD)		mm	948 x 1912 x 832	1363 x 1912 x 832	1363 x 1912 x 832	1363 x 1912 x 832	1363 x 1912 x 832	
Operating Temp. Range	Cooling	°C	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	

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DVM Specification - Outdoor Units

Model Name	DVM PLUS IV HP		RD420HHXGA	RD440HHXGA	RD460HHXGA	RD480HHXGA	RD500HHXGA	
	DVM PLUS IV HR		RD420HRXGA	RD440HRXGA	RD460HRXGA	RD480HRXGA	RD500HRXGA	
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	
Mode	-		HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	
Performance	HP	HP	42	44	46	48	50	
		kW	117.6	123.2	128.8	134.4	140	
	Capacity (Nominal)	Cooling	Btu/h	401,300	420,400	439,500	458,600	477,700
		Heating	kW	132.3	138.6	144.9	151.2	157.5
Power	Power Input (Nominal)	Cooling	kW	33.24	35.4	36.3	38.2	41.9
		Heating	kW	29.89	31.5	32.65	34.3	35.9
	Current Input (Nominal)	Cooling	A	65.8	72.8	73.7	74.8	84.1
		Heating	A	60.2	65.9	66.9	74.7	74.2
COP	Nominal Cooling	-	3.54	3.48	3.55	3.52	3.34	
		Nominal Heating	-	4.43	4.4	4.44	4.41	4.39
Piping Connections	Air Flow Rate	CMM	(173) x 1 + (210) x 1 + (275) x 1	(210) x 2 + (275) x 1	(210) x 1 + (226) x 1 + (275) x 1	(210) x 1 + (250) x 1 + (275) x 1	(210) x 1 + (270) x 1 + (275) x 1	
		Liquid Pipe	Ø, mm	19.05	19.05	19.05	19.05	22.23
		Gas Pipe	Ø, mm	38.1	38.1	38.1	38.1	44.45
		Discharge Gas Pipe	(DVM PLUS IV HR) Ø, mm	31.75	31.75	31.75	31.75	38.10
		Oil Equalizing Pipe	Ø, mm	6.35	6.35	6.35	6.35	6.35
		Installation Limitation	Max. Length	m	200	200	200	200
Refrigerant	Type	-	R410a	R410a	R410a	R410a	R410a	
		Factory Charging	kg	18.5	18.5	20.5	20.5	22
Sound	Sound Pressure	dB(A)	64	65	65	65	66	
		Net Weight	DVM PLUS IV HP	(237) x 1 + (240) x 1 + (349) x 1	(240) x 2 + (349) x 1	(240) x 1 + (280) x 1 + (349) x 1	(240) x 1 + (329) x 1 + (349) x 1	(240) x 1 + (340) x 1 + (349) x 1
External Dimension	Shipping Weight	DVM PLUS IV HR	(243) x 2 + (355) x 1	(243) x 2 + (355) x 1	(243) x 1 + (293) x 1 + (355) x 1	(243) x 1 + (338) x 1 + (355) x 1	(243) x 1 + (349) x 1 + (355) x 1	
		DVM PLUS IV HP	(253) x 1 + (256) x 1 + (370) x 1	(256) x 2 + (370) x 1	(256) x 1 + (301) x 1 + (370) x 1	(256) x 1 + (350) x 1 + (370) x 1	(256) x 1 + (361) x 1 + (370) x 1	
		DVM PLUS IV HR	(259) x 2 + (376) x 1	(259) x 2 + (376) x 1	(259) x 1 + (314) x 1 + (376) x 1	(259) x 1 + (359) x 1 + (376) x 1	(259) x 1 + (369) x 1 + (376) x 1	
		Net Dimensions (WxHxD)	mm	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 2 + (1295 x 1695 x 765) x 1	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 2	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 2	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 2
Operating Temp. Range	Cooling	°C	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	
		Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

Model Name	DVM PLUS IV HP		RD520HHXGA	RD540HHXGA	RD560HHXGA	RD580HHXGA	RD600HHXGA	
	DVM PLUS IV HR		RD520HRXGA	RD540HRXGA	RD560HRXGA	RD580HRXGA	RD600HRXGA	
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	
Mode	-		HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	
Performance	HP	HP	52	54	56	58	60	
		kW	145.6	151.2	156.8	162.4	168	
	Capacity (Nominal)	Cooling	Btu/h	496,800	515,900	535,000	554,100	573,200
		Heating	kW	163.8	170.1	176.4	182.7	189
Power	Power Input (Nominal)	Cooling	kW	43.2	44.1	46	49.7	51
		Heating	kW	37.5	38.65	40.3	41.9	43.5
	Current Input (Nominal)	Cooling	A	85.6	86.5	87.6	96.9	98.4
		Heating	A	76.6	77.6	85.4	84.9	87.3
COP	Nominal Cooling	-	3.37	3.43	3.41	3.27	3.29	
		Nominal Heating	-	4.37	4.4	4.38	4.36	4.34
Piping Connections	Air Flow Rate	CMM	(210) x 1 + (275) x 2	(226) x 1 + (275) x 2	(250) x 1 + (275) x 2	(270) x 1 + (275) x 2	(275) x 3	
		Liquid Pipe	Ø, mm	22.23	22.23	22.23	22.23	22.23
		Gas Pipe	Ø, mm	44.45	44.45	44.45	44.45	44.45
		Discharge Gas Pipe	(DVM PLUS IV HR) Ø, mm	38.10	38.10	38.10	38.10	38.10
		Oil Equalizing Pipe	Ø, mm	6.35	6.35	6.35	6.35	6.35
		Installation Limitation	Max. Length	m	200	200	200	200
Refrigerant	Type	-	R410a	R410a	R410a	R410a	R410a	
		Factory Charging	kg	22	24	24	25.5	25.5
Sound	Sound Pressure	dB(A)	66	66	66	66	67	
		Net Weight	DVM PLUS IV HP	(240) x 1 + (349) x 2	(280) x 1 + (349) x 2	(329) x 1 + (349) x 2	(340) x 1 + (349) x 2	(349) x 3
External Dimension	Shipping Weight	DVM PLUS IV HR	(243) x 1 + (355) x 2	(293) x 1 + (355) x 2	(338) x 1 + (355) x 2	(349) x 1 + (355) x 2	(355) x 3	
		DVM PLUS IV HP	(256) x 1 + (370) x 2	(301) x 1 + (370) x 2	(350) x 1 + (370) x 2	(361) x 1 + (370) x 2	(370) x 3	
		DVM PLUS IV HR	(259) x 1 + (376) x 2	(314) x 1 + (376) x 2	(359) x 1 + (376) x 2	(369) x 1 + (376) x 2	(376) x 3	
		Net Dimensions (WxHxD)	mm	(880 x 1695 x 765) x 1 + (1295 x 1695 x 765) x 2	(1295 x 1695 x 765) x 3	(1295 x 1695 x 765) x 3	(1295 x 1695 x 765) x 3	(1295 x 1695 x 765) x 3
Operating Temp. Range	Cooling	°C	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	-5 ~ 48	
		Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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DVM Specification - Outdoor Units



DVM PLUS III DIGITAL VARIABLE MULTI

- High Efficiency
- Easy Installation & Maintenance
- Eco-friendly

Model Name	DVM PLUS III HP		RVXVHT080GE	
	DVM PLUS III HR		RVXVHT080GESTK	
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50	
Mode	-		Heat Pump	
Performance	Capacity (Nominal)	HP	HP	8
		Cooling	kW	22.4
	Heating	Btu/h	Btu/h	76,400
		kW	kW	25.2
Power	Power Input (Nominal)	Cooling	kW	5.76
		Heating	kW	5.51
	Current Input (Nominal)	Cooling	A	12.20
		Heating	A	12.00
COP	Nominal Cooling	-		3.89
		-		4.57
	Nominal Heating	-		-
		-		-
Fan	Air Flow Rate	CMM	170	
	Liquid Pipe	Ø, mm	9.52	
	Gas Pipe	Ø, mm	19.05	
	Discharge Gas Pipe (DVM PLUS III HR)	Ø, mm	15.88	
Piping Connections	Oil Equalizing Pipe	Ø, mm	-	
	Installation Limitation	Max. Length	m	200
		Max. Height	m	50 (40)
Refrigerant	Type	R410a		
	Factory Charging	kg	7.5	
Sound	Sound Pressure	dB(A)		
			57	
External Dimension	Net Weight	DVM PLUS III HP	240	
		DVM PLUS III HR	242	
	Shipping Weight	DVM PLUS III HP	253	
		DVM PLUS III HR	255	
Operating Temp. Range	Net Dimensions (WxHxD)	mm		
	Shipping Dimensions (WxHxD)	mm		
	Cooling	°C		
	Heating	°C		

Model Name	DVM PLUS III HP		RVXVHT100GE		RVXVHT120GE		RVXVHT140GE		RVXVHT160GE		
	DVM PLUS III HR		RVXVHT100GESTK		RVXVHT120GESTK		RVXVHT140GESTK		RVXVHT160GESTK		
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50		3, 4, 380-415, 50		3, 4, 380-415, 50		3, 4, 380-415, 50		
Mode	-		Heat Pump		Heat Pump		Heat Pump		Heat Pump		
Performance	Capacity (Nominal)	HP	HP	10	12	14	16	14	16	16	
		Cooling	kW	28.0	33.6	39.2	44.8	39.2	44.8	44.8	
	Heating	Btu/h	95,500	114,600	133,800	152,900	133,800	152,900	152,900		
		kW	31.5	37.8	44.1	50.4	44.1	50.4	50.4		
Power	Power Input (Nominal)	Cooling	kW	7.78	10.40	11.00	14.80	11.00	14.80	14.80	
		Heating	kW	7.16	9.40	10.40	15.00	10.40	15.00	15.00	
	Current Input (Nominal)	Cooling	A	13.90	21.00	24.20	28.60	24.20	28.60	28.60	
		Heating	A	13.00	19.20	23.00	29.20	23.00	29.20	29.20	
COP	Nominal Cooling	-		3.60	3.23	3.56	3.03	3.56	3.03	3.03	
		-		4.40	4.02	4.24	3.36	4.24	3.36		
	Nominal Heating	-		4.40	4.02	4.24	3.36	4.24	3.36		
		-		4.40	4.02	4.24	3.36	4.24	3.36		
Fan	Air Flow Rate	CMM	170		180		210		210		
	Liquid Pipe	Ø, mm	9.52		12.70		12.70		12.70		
	Gas Pipe	Ø, mm	22.23		25.40		25.40		28.58		
	Discharge Gas Pipe (DVM PLUS III HR)	Ø, mm	19.05		22.23		22.23		22.23		
Piping Connections	Oil Equalizing Pipe	Ø, mm	-		-		-		-		
	Installation Limitation	Max. Length	m	200	200	200	200	200	200		
		Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)		
Refrigerant	Type	R410a			R410a		R410a		R410a		
	Factory Charging	kg	7.5		7.5		11.0		11.0		
Sound	Sound Pressure	dB(A)			60		60		60		
			58		60		60		60		
External Dimension	Net Weight	DVM PLUS III HP	240		240		320		320		
		DVM PLUS III HR	242		242		323		323		
	Shipping Weight	DVM PLUS III HP	253		253		337		337		
		DVM PLUS III HR	255		255		340		340		
Operating Temp. Range	Net Dimensions (WxHxD)	mm		880 x 1703 x 765		880 x 1703 x 765		1200 x 1703 x 765		1200 x 1703 x 765	
	Shipping Dimensions (WxHxD)	mm		948 x 1868 x 832		948 x 1868 x 832		1268 x 1868 x 832		1268 x 1868 x 832	
	Cooling	°C		-5 ~ 43		-5 ~ 43		-5 ~ 43		-5 ~ 43	
	Heating	°C		-20 ~ 24		-20 ~ 24		-20 ~ 24		-20 ~ 24	

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DVM Specification - Outdoor Units

Model Name	DVM PLUS III HP		RVXVHT180GE	RVXVHT200GE	RVXVHT220GE	RVXVHT240GE	
	DVM PLUS III HR		RVXVRT180GE	RVXVRT200GE	RVXVRT220GE	RVXVRT240GE	
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	
Mode	-		Heat Pump	Heat Pump	Heat Pump	Heat Pump	
Performance	HP	HP	18	20	22	24	
		kW	50.4	56	61.6	67.2	
	Capacity (Nominal)	Cooling	Btu/h	172,000	191,100	210,200	229,300
		Heating	kW	56.7	63	69.3	75.6
Power	Power Input (Nominal)	Cooling	kW	13.54	16.16	18.18	18.78
		Heating	kW	12.67	14.91	16.56	17.56
	Current Input (Nominal)	Cooling	A	26.1	33.2	34.9	38.1
		Heating	A	25	31.2	32.2	36
COP	Circuit Breaker (MCCB+ELB / ELCB)		A	50	60	75	
	Nominal Cooling		-	3.72	3.47	3.99	3.58
Fan	Nominal Heating		-	4.48	4.23	4.18	4.31
	Air Flow Rate		CMM	(170) x 2	(170) x 1 + (180) x 1	(170) x 1 + (180) x 1	(170) x 1 + (210) x 1
Piping Connections	Liquid Pipe		Ø, mm	15.88	15.88	15.88	
	Gas Pipe		Ø, mm	28.58	28.58	28.58	
	Discharge Gas Pipe (DVM PLUS III HR)		Ø, mm	25.40	25.40	25.40	
	Oil Equalizing Pipe		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	15	15	18.5	
Sound	Sound Pressure		dB(A)	60	61	62	
	Net Weight		DVM PLUS III HP	kg	(240) x 1 + (240) x 1	(240) x 2	(240) x 1 + (320) x 1
External Dimension			DVM PLUS III HR	kg	(242) x 1 + (242) x 1	(242) x 2	(242) x 1 + (323) x 1
	Shipping Weight		DVM PLUS III HP	kg	(253) x 1 + (253) x 1	(253) x 2	(253) x 1 + (337) x 1
			DVM PLUS III HR	kg	(255) x 1 + (255) x 1	(255) x 2	(255) x 1 + (340) x 1
	Net Dimensions (WxHxD)		mm	(880 x 1703 x 765) x 2	(880 x 1703 x 765) x 2	(880 x 1703 x 765) x 2	(880 x 1703 x 765) x 1 + (1200 x 1703 x 765) x 1
Operating Temp. Range	Shipping Dimensions (WxHxD)		mm	(948 x 1868 x 832) x 2	(948 x 1868 x 832) x 2	(948 x 1868 x 832) x 2	(948 x 1868 x 832) x 1 + (1268 x 1868 x 832) x 1
	Cooling		°C	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43
	Heating		°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

Model Name	DVM PLUS III HP		RVXVHT260GE	RVXVHT280GE	RVXVHT300GE	RVXVHT320GE	
	DVM PLUS III HR		RVXVRT260GE	RVXVRT280GE	RVXVRT300GE	RVXVRT320GE	
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	
Mode	-		Heat Pump	Heat Pump	Heat Pump	Heat Pump	
Performance	HP	HP	26	28	30	32	
		kW	72.8	78.4	84	89.6	
	Capacity (Nominal)	Cooling	Btu/h	248,400	267,500	286,600	305,700
		Heating	kW	81.9	88.2	94.5	100.8
Power	Power Input (Nominal)	Cooling	Btu/h	279,500	301,000	322,400	343,900
		Heating	kW	21.4	22	25.8	29.6
	Current Input (Nominal)	Cooling	A	19.8	20.8	25.4	30
		Heating	A	45.2	48.4	52.8	57.2
COP	Circuit Breaker (MCCB+ELB / ELCB)		A	75	100	100	
	Nominal Cooling		-	3.4	3.56	3.26	3.03
Fan	Nominal Heating		-	4.14	4.24	3.72	3.36
	Air Flow Rate		CMM	(180) x 1 + (210) x 1	(210) x 2	(210) x 2	(210) x 2
Piping Connections	Liquid Pipe		Ø, mm	19.05	19.05	19.05	
	Gas Pipe		Ø, mm	31.75	31.75	31.75	
	Discharge Gas Pipe (DVM PLUS III HR)		Ø, mm	28.58	28.58	28.58	
	Oil Equalizing Pipe		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	18.5	22	22	
Sound	Sound Pressure		dB(A)	62	63	63	
	Net Weight		DVM PLUS III HP	kg	(240) x 1 + (320) x 1	(320) x 2	(320) x 2
External Dimension			DVM PLUS III HR	kg	(242) x 1 + (323) x 1	(323) x 2	(323) x 2
	Shipping Weight		DVM PLUS III HP	kg	(253) x 1 + (337) x 1	(337) x 2	(337) x 2
			DVM PLUS III HR	kg	(255) x 1 + (340) x 1	(340) x 2	(340) x 2
	Net Dimensions (WxHxD)		mm	(880 x 1703 x 765) x 1 + (1200 x 1703 x 765) x 1	(1200 x 1703 x 765) x 2	(1200 x 1703 x 765) x 2	(1200 x 1703 x 765) x 2
Operating Temp. Range	Shipping Dimensions (WxHxD)		mm	(948 x 1868 x 832) x 1 + (1268 x 1868 x 832) x 1	(1268 x 1868 x 832) x 2	(1268 x 1868 x 832) x 2	(1268 x 1868 x 832) x 2
	Cooling		°C	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43
	Heating		°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24

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DVM Specification - Outdoor Units

Model Name	DVM PLUS III HP		RVXVHT340GE		RVXVHT360GE		RVXVHT380GE		RVXVHT400GE		
	DVM PLUS III HR		RVXVHT340GESTK		RVXVHT360GESTK		RVXVHT380GESTK		RVXVHT400GESTK		
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50		3, 4, 380-415, 50		3, 4, 380-415, 50		3, 4, 380-415, 50		
Mode	-		Heat Pump		Heat Pump		Heat Pump		Heat Pump		
Performance	HP	HP	34		36		38		40		
		kW	95.2		100.8		106.4		112		
	Capacity (Nominal)	Cooling	Btu/h	324,800		343,900		363,100		382,200	
		Heating	kW	107.1		113.4		119.7		126	
Power	Power Input (Nominal)	Cooling	28.58		31.2		31.8		35.6		
		Heating	25.96		28.2		29.2		33.8		
	Current Input (Nominal)	Cooling	55.9		63		66.2		70.6		
		Heating	51.4		57.6		61.4		67.6		
COP	Circuit Breaker (MCCB+ELB / ELCB)	A	100		100		125		125		
		Nominal Cooling	3.33		3.23		3.35		3.15		
Fan	Nominal Heating	-	4.13		4.02		4.1		3.73		
		Air Flow Rate	CMM	(170) x 1 + (180) x 2		(180) x 3		(180) x 2 + (210) x 1		(180) x 2 + (210) x 1	
Piping Connections	Liquid Pipe	Ø, mm	19.05		19.05		19.05		19.05		
	Gas Pipe	Ø, mm	31.75		38.1		38.1		38.1		
	Discharge Gas Pipe	(DVM PLUS III HR) Ø, mm	28.58		31.75		31.75		31.75		
	Oil Equalizing Pipe	Ø, mm	6.35		6.35		6.35		6.35		
	Installation Limitation	Max. Length	m	200		200		200		200	
		Max. Height	m	50 (40)		50 (40)		50 (40)		50 (40)	
Refrigerant	Type	-	R410a		R410a		R410a		R410a		
	Factory Charging	kg	22.5		22.5		26		26		
Sound	Sound Pressure	dB(A)	64		64		64		64		
		Net Weight	DVM PLUS III HP	(240) x 3		(240) x 3		(240) x 1 + (320) x 2		(240) x 2 + (320) x 1	
DVM PLUS III HR	(242) x 3		(242) x 3		(242) x 1 + (323) x 2		(242) x 2 + (323) x 1				
External Dimension	Shipping Weight	DVM PLUS III HP	(253) x 3		(253) x 3		(253) x 1 + (337) x 2		(253) x 2 + (337) x 1		
		DVM PLUS III HR	(255) x 3		(255) x 3		(255) x 1 + (340) x 2		(255) x 2 + (340) x 1		
Operating Temp. Range	Cooling	°C	-5 ~ 43		-5 ~ 43		-5 ~ 43		-5 ~ 43		
		Heating	-20 ~ 24		-20 ~ 24		-20 ~ 24		-20 ~ 24		

Model Name	DVM PLUS III HP		RVXVHT420GE		RVXVHT440GE		RVXVHT460GE		RVXVHT480GE		
	DVM PLUS III HR		RVXVHT420GESTK		RVXVHT440GESTK		RVXVHT460GESTK		RVXVHT480GESTK		
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50		3, 4, 380-415, 50		3, 4, 380-415, 50		3, 4, 380-415, 50		
Mode	-		Heat Pump		Heat Pump		Heat Pump		Heat Pump		
Performance	HP	HP	42		44		46		32		
		kW	117.6		123.2		128.8		89.6		
	Capacity (Nominal)	Cooling	Btu/h	401,300		420,400		439,500		305,700	
		Heating	kW	132.3		138.6		144.9		100.8	
Power	Power Input (Nominal)	Cooling	36.2		36.8		40.6		29.6		
		Heating	34.8		35.8		40.4		30		
	Current Input (Nominal)	Cooling	73.8		77		81.4		57.2		
		Heating	71.4		75.2		81.4		58.4		
COP	Circuit Breaker (MCCB+ELB / ELCB)	A	125		125		125		100		
		Nominal Cooling	3.25		3.35		3.17		3.03		
Fan	Nominal Heating	-	3.8		3.87		3.59		3.36		
		Air Flow Rate	CMM	(180) x 1 + (210) x 2		(210) x 3		(210) x 3		(210) x 2	
Piping Connections	Liquid Pipe	Ø, mm	19.05		19.05		19.05		19.05		
	Gas Pipe	Ø, mm	38.1		38.1		38.1		31.75		
	Discharge Gas Pipe	(DVM PLUS III HR) Ø, mm	31.75		31.75		31.75		28.58		
	Oil Equalizing Pipe	Ø, mm	6.35		6.35		6.35		6.35		
	Installation Limitation	Max. Length	m	200		200		200		200	
		Max. Height	m	50 (40)		50 (40)		50 (40)		50 (40)	
Refrigerant	Type	-	R410a		R410a		R410a		R410a		
	Factory Charging	kg	29.5		33		33		22		
Sound	Sound Pressure	dB(A)	64		65		65		63		
		Net Weight	DVM PLUS III HP	(240) x 1 + (320) x 2		(320) x 3		(320) x 3		(320) x 2	
DVM PLUS III HR	(242) x 1 + (323) x 2		(323) x 3		(323) x 3		(323) x 2				
External Dimension	Shipping Weight	DVM PLUS III HP	(253) x 1 + (337) x 2		(337) x 3		(337) x 3		(337) x 2		
		DVM PLUS III HR	(255) x 1 + (340) x 2		(340) x 3		(340) x 3		(340) x 2		
Operating Temp. Range	Cooling	°C	-5 ~ 43		-5 ~ 43		-5 ~ 43		-5 ~ 43		
		Heating	-20 ~ 24		-20 ~ 24		-20 ~ 24		-20 ~ 24		

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DVM Specification - Outdoor Units

Model Name	DVM PLUS III HP		RVXVHT500GE RVXVHT500GESTK		RVXVHT520GE RVXVHT520GESTK		RVXVHT540GE RVXVHT540GESTK		RVXVHT560GE RVXVHT560GESTK		
	DVM PLUS III HR		RVXVRT500GE RVXVRT500GESTK		RVXVRT520GE RVXVRT520GESTK		RVXVRT540GE RVXVRT540GESTK		RVXVRT560GE RVXVRT560GESTK		
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50		3, 4, 380-415, 50		3, 4, 380-415, 50		3, 4, 380-415, 50		
Mode	-		Heat Pump		Heat Pump		Heat Pump		Heat Pump		
Performance	HP	HP	50		52		54		56		
		kW	140		145.6		151.2		156.8		
	Capacity (Nominal)	Cooling	Btu/h	477,700		496,800		515,900		535,000	
		Heating	kW	157.5		163.8		170.1		176.4	
Power	Power Input (Nominal)	Cooling	42.2		46		47.78		48.38		
		Heating	38.6		43.2		46.56		47.56		
	Current Input (Nominal)	Cooling	87.2		91.6		92.1		95.3		
		Heating	80.6		86.8		90.6		94.4		
COP	Nominal Cooling	-	3.32		3.17		3.16		3.24		
		Nominal Heating	4.08		3.79		3.65		3.71		
Piping Connections	Air Flow Rate	CMM	(180) x 3 + (210) x 1		(180) x 3 + (210) x 1		(170) x 1 + (180) x 1 + (210) x 2		(170) x 1 + (210) x 3		
	Liquid Pipe	Ø, mm	22.23		22.23		22.23		22.23		
	Gas Pipe	Ø, mm	44.45		44.45		44.45		44.45		
	Discharge Gas Pipe	(DVM PLUS III HR) Ø, mm	38.1		38.1		38.1		38.1		
	Oil Equalizing Pipe	Ø, mm	6.35		6.35		6.35		6.35		
	Installation Limitation	Max. Length	m	200		200		200		200	
Refrigerant	Type	-	R410a		R410a		R410a		R410a		
	Factory Charging	kg	33.5		33.5		37		40.5		
External Dimension	Sound Pressure	dB(A)	66		66		66		66		
	Net Weight	DVM PLUS III HP	(240) x 3 + (320) x 1		(240) x 3 + (320) x 1		(240) x 2 + (320) x 2		(240) x 1 + (320) x 3		
		DVM PLUS III HR	(242) x 3 + (323) x 1		(242) x 3 + (323) x 1		(242) x 2 + (323) x 2		(242) x 1 + (323) x 3		
	Shipping Weight	DVM PLUS III HP	(253) x 3 + (337) x 1		(253) x 3 + (337) x 1		(253) x 2 + (337) x 2		(253) x 1 + (337) x 3		
DVM PLUS III HR		(255) x 3 + (340) x 1		(255) x 3 + (340) x 1		(255) x 2 + (340) x 2		(255) x 1 + (340) x 3			
Operating Temp. Range	Net Dimensions (WxHxD)	mm	(880 x 1703 x 765) x 3 + (1200 x 1703 x 765) x 1		(880 x 1703 x 765) x 3 + (1200 x 1703 x 765) x 1		(880 x 1703 x 765) x 2 + (1200 x 1703 x 765) x 2		(880 x 1703 x 765) x 1 + (1200 x 1703 x 765) x 3		
	Shipping Dimensions (WxHxD)	mm	(948 x 1868 x 832) x 3 + (1268 x 1868 x 832) x 1		(948 x 1868 x 832) x 3 + (1268 x 1868 x 832) x 1		(948 x 1868 x 832) x 2 + (1268 x 1868 x 832) x 2		(948 x 1868 x 832) x 1 + (1268 x 1868 x 832) x 3		
Operating Temp. Range	Cooling	°C	-5 ~ 43		-5 ~ 43		-5 ~ 43		-5 ~ 43		
	Heating	°C	-20 ~ 24		-20 ~ 24		-20 ~ 24		-20 ~ 24		

Model Name	DVM PLUS III HP		RVXVHT580GE RVXVHT580GESTK		RVXVHT600GE RVXVHT600GESTK		RVXVHT620GE RVXVHT620GESTK		RVXVHT640GE RVXVHT640GESTK		
	DVM PLUS III HR		RVXVRT580GE RVXVRT580GESTK		RVXVRT600GE RVXVRT600GESTK		RVXVRT620GE RVXVRT620GESTK		RVXVRT640GE RVXVRT640GESTK		
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50		3, 4, 380-415, 50		3, 4, 380-415, 50		3, 4, 380-415, 50		
Mode	-		Heat Pump		Heat Pump		Heat Pump		Heat Pump		
Performance	HP	HP	58		60		62		64		
		kW	162.4		168		173.6		179.2		
	Capacity (Nominal)	Cooling	Btu/h	554,100		573,200		592,300		611,500	
		Heating	kW	182.7		189		195.3		201.6	
Power	Power Input (Nominal)	Cooling	52.18		54.8		55.4		59.2		
		Heating	52.16		54.4		55.4		60		
	Current Input (Nominal)	Cooling	99.7		106.8		110		114.4		
		Heating	100.6		106.8		110.6		116.8		
COP	Nominal Cooling	-	3.11		3.07		3.13		3.03		
		Nominal Heating	3.5		3.47		3.53		3.36		
Piping Connections	Air Flow Rate	CMM	(170) x 1 + (210) x 3		(180) x 1 + (210) x 3		(210) x 4		(210) x 4		
	Liquid Pipe	Ø, mm	22.23		22.23		22.23		22.23		
	Gas Pipe	Ø, mm	44.45		44.45		44.45		44.45		
	Discharge Gas Pipe	(DVM PLUS III HR) Ø, mm	38.1		38.1		38.1		38.1		
	Oil Equalizing Pipe	Ø, mm	6.35		6.35		6.35		6.35		
	Installation Limitation	Max. Length	m	200		200		200		200	
Refrigerant	Type	-	R410a		R410a		R410a		R410a		
	Factory Charging	kg	40.5		40.5		44		44		
External Dimension	Sound Pressure	dB(A)	66		67		67		67		
	Net Weight	DVM PLUS III HP	(240) x 1 + (320) x 3		(240) x 1 + (320) x 3		(320) x 4		(320) x 4		
		DVM PLUS III HR	(242) x 1 + (323) x 3		(242) x 1 + (323) x 3		(323) x 4		(323) x 4		
	Shipping Weight	DVM PLUS III HP	(253) x 1 + (337) x 3		(253) x 1 + (337) x 3		(337) x 4		(337) x 4		
DVM PLUS III HR		(255) x 1 + (340) x 3		(255) x 1 + (340) x 3		(340) x 4		(340) x 4			
Operating Temp. Range	Net Dimensions (WxHxD)	mm	(880 x 1703 x 765) x 1 + (1200 x 1703 x 765) x 3		(880 x 1703 x 765) x 1 + (1200 x 1703 x 765) x 3		(1200 x 1703 x 765) x 4		(1200 x 1703 x 765) x 4		
	Shipping Dimensions (WxHxD)	mm	(948 x 1868 x 832) x 1 + (1268 x 1868 x 832) x 3		(948 x 1868 x 832) x 1 + (1268 x 1868 x 832) x 3		(1268 x 1868 x 832) x 4		(1268 x 1868 x 832) x 4		
Operating Temp. Range	Cooling	°C	-5 ~ 43		-5 ~ 43		-5 ~ 43		-5 ~ 43		
	Heating	°C	-20 ~ 24		-20 ~ 24		-20 ~ 24		-20 ~ 24		

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DVM Specification - Outdoor Units

DVM PLUS III HP / HR HIGH EFFICIENCY MODULE	Model Name		DVM PLUS III HP	RVXVHT080GE RVXVHT080GESTK	RVXVHT100GE RVXVHT100GESTK	RVXVHT120GE RVXVHT120GESTK	RVXVHT140GE RVXVHT140GESTK	RVXVHT160GE RVXVHT160GESTK		
			DVM PLUS III HR	RVXVRT080GE RVXVRT080GESTK	RVXVRT100GE RVXVRT100GESTK	RVXVRT120GE RVXVRT120GESTK	RVXVRT140GE RVXVRT140GESTK	RVXVRT160GE RVXVRT160GESTK		
	Power Supply	Mode	Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50		
Performance	HP	Cooling	HP	8	10	12	14	16		
			kW	22.4	28.0	33.6	39.2	44.8		
	Capacity (Nominal)	Heating	Btu/h	76,400	95,500	114,600	133,800	152,900		
			kW	25.2	31.5	37.8	44.1	50.4		
Power	Power Input (Nominal)	Cooling	kW	5.76	7.78	10.40	11.00	11.52		
			kW	5.51	7.16	9.40	10.40	11.02		
	Current Input (Nominal)	Heating	A	12.20	13.90	21.00	24.20	24.4		
			A	12.00	13.00	19.20	23.00	24		
COP	Nominal Cooling	-	-	3.89	3.60	3.23	3.56	3.89		
			-	4.57	4.40	4.02	4.24	4.57		
Piping Connections	Fan	Air Flow Rate	CMM	170	170	180	210	(170) x 2		
			Liquid Pipe	Ø, mm	9.52	9.52	12.70	12.70	12.7	
			Gas Pipe	Ø, mm	19.05	22.23	25.40	25.40	28.58	
			Discharge Gas Pipe	(DVM PLUS III HR) Ø, mm	15.88	19.05	22.23	22.23	22.23	
Refrigerant	Oil Equalizing Pipe	Ø, mm	Ø, mm							
			Installation Limitation	Max. Length	m	200	200	200	200	200
			Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)	
			Type	-	R410a	R410a	R410a	R410a	R410a	
Sound ³⁾	Factory Charging	kg	kg	7.5	7.5	7.5	11.0	15		
			Sound Pressure	dB(A)	57	58	60	60	60	
External Dimension	Net Weight	DVM PLUS III HP	kg	240	240	240	320	(240) x 2		
			kg	242	242	242	323	(242) x 2		
			kg	250	250	250	337	(250) x 2		
			kg	255	255	255	340	(255) x 2		
Operating Temp. Range	Shipping Weight	DVM PLUS III HP	mm	880 x 1703 x 765	880 x 1703 x 765	880 x 1703 x 765	1200 x 1703 x 765	(880 x 1703 x 765) x 2		
			mm	948 x 1868 x 832	948 x 1868 x 832	948 x 1868 x 832	1268 x 1868 x 832	(948 x 1868 x 832) x 2		
			°C	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43		
			°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24		

DVM PLUS III HP / HR HIGH EFFICIENCY MODULE	Model Name		DVM PLUS III HP	RVXVHT180GE RVXVHT180GESTK	RVXVHT200GE RVXVHT200GESTK	RVXVHT220GE RVXVHT220GESTK	RVXVHT240GE RVXVHT240GESTK	RVXVHT260GE RVXVHT260GESTK	
			DVM PLUS III HR	RVXVRT180GE RVXVRT180GESTK	RVXVRT200GE RVXVRT200GESTK	RVXVRT220GE RVXVRT220GESTK	RVXVRT240GE RVXVRT240GESTK	RVXVRT260GE RVXVRT260GESTK	
	Power Supply	Mode	Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	
Performance	HP	Cooling	HP	18	20	22	24	26	
			kW	50.4	56	61.6	67.2	72.8	
	Capacity (Nominal)	Heating	Btu/h	172,000	191,100	210,200	229,300	248,400	
			kW	56.7	63	69.3	75.6	81.9	
Power	Power Input (Nominal)	Cooling	kW	13.54	15.56	18.18	17.28	19.3	
			kW	12.67	14.32	16.56	16.53	18.18	
	Current Input (Nominal)	Heating	A	26.1	27.8	34.9	36.6	38.3	
			A	25	26	32.2	36	37	
COP	Nominal Cooling	-	-	3.72	3.6	3.39	3.89	3.77	
			-	4.48	4.4	4.18	4.57	4.5	
Piping Connections	Fan	Air Flow Rate	CMM	(170) x 2	(170) x 2	(170) x 1 + (180) x 1	(170) x 3	(170) x 3	
			Liquid Pipe	Ø, mm	15.88	15.88	15.88	15.88	19.05
			Gas Pipe	Ø, mm	28.58	28.58	28.58	28.58	31.75
			Discharge Gas Pipe	(DVM PLUS III HR) Ø, mm	25.4	25.4	25.4	25.4	28.58
Refrigerant	Oil Equalizing Pipe	Ø, mm	Ø, mm	6.35	6.35	6.35	6.35	6.35	
			Installation Limitation	Max. Length	m	200	200	200	200
			Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)
			Type	-	R410a	R410a	R410a	R410a	R410a
Sound ³⁾	Factory Charging	kg	kg	15	15	15	22.5	22.5	
			Sound Pressure	dB(A)	60	61	62	62	63
External Dimension	Net Weight	DVM PLUS III HP	kg	(240) x 2	(240) x 2	(240) x 2	(240) x 3	(240) x 3	
			kg	(242) x 2	(242) x 2	(242) x 2	(242) x 3	(242) x 3	
			kg	(253) x 2	(253) x 2	(253) x 2	(253) x 3	(250) x 3	
			kg	(255) x 2	(255) x 2	(255) x 2	(255) x 3	(255) x 3	
Operating Temp. Range	Shipping Weight	DVM PLUS III HP	mm	(880 x 1703 x 765) x 2	(880 x 1703 x 765) x 2	(880 x 1703 x 765) x 2	(880 x 1703 x 765) x 3	(880 x 1703 x 765) x 3	
			mm	(948 x 1868 x 832) x 2	(948 x 1868 x 832) x 2	(948 x 1868 x 832) x 2	(948 x 1868 x 832) x 3	(948 x 1868 x 832) x 3	
			°C	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	
			°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	

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DVM Specification - Outdoor Units

DVM PLUS III HP / HR HIGH EFFICIENCY MODULE	Model Name		DVM PLUS III HP	RVXVHT280GE RVXVHT280GESTK	RVXVHT300GE RVXVHT300GESTK	RVXVHT320GE RVXVHT320GESTK	RVXVHT340GE RVXVHT340GESTK	RVXVHT360GE RVXVHT360GESTK
			DVM PLUS III HR	RVXVRT280GE RVXVRT280GESTK	RVXVRT300GE RVXVRT300GESTK	RVXVRT320GE RVXVRT320GESTK	RVXVRT340GE RVXVRT340GESTK	RVXVRT360GE RVXVRT360GESTK
	Power Supply	Mode	Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Performance	HP	HP	HP	28	30	32	34	36
		kW	kW	78.4	84	89.6	95.2	100.8
	Capacity (Nominal)	Cooling	Btu/h	267,500	286,600	305,700	324,800	343,900
		Heating	kW	88.2	94.5	100.8	107.1	113.4
Power	Power Input (Nominal)	Cooling	kW	21.32	23.34	25.96	26.56	29.18
		Heating	kW	19.83	21.48	23.72	24.72	26.96
	Current Input (Nominal)	Cooling	A	40	41.7	48.8	52	59.1
		Heating	A	38	39	45.2	49	55.2
COP	Circuit Breaker (MCCB+ELB / ELCB)	A	75	100	100	100	100	
	Nominal Cooling	-	3.68	3.6	3.45	3.58	3.45	
Fan	Nominal Heating	-	4.45	4.4	4.25	4.33	4.21	
	Air Flow Rate	CMM	(170) x 3	(170) x 3	(170) x 2 + (180) x 1	(170) x 2 + (210) x 1	(170) x 1 + (180) x 1 + (210) x 1	
Piping Connections	Liquid Pipe	Ø, mm	19.05	19.05	19.05	19.05	19.05	
	Gas Pipe	Ø, mm	31.75	31.75	31.75	31.75	38.1	
	Discharge Gas Pipe	(DVM PLUS III HR) Ø, mm	28.58	28.58	28.58	28.58	31.75	
	Oil Equalizing Pipe	Ø, mm	6.35	6.35	6.35	6.35	6.35	
	Installation Limitation	Max. Length	m	200	200	200	200	
	Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)	
Refrigerant	Type	-	R410a	R410a	R410a	R410a	R410a	
	Factory Charging	kg	22.5	22.5	22.5	26	26	
Sound ³⁾	Sound Pressure	dB(A)	63	63	64	64	64	
	Net Weight	DVM PLUS III HP / DVM PLUS III HR	kg	(240) x 3 / (242) x 3	(240) x 3 / (242) x 3	(240) x 3 / (242) x 3	(240) x 2 + (320) x 1 / (242) x 2 + (323) x 1	(240) x 2 + (320) x 1 / (242) x 2 + (323) x 1
External Dimension	Shipping Weight	DVM PLUS III HP / DVM PLUS III HR	kg	(250) x 3 / (255) x 3	(250) x 3 / (255) x 3	(250) x 3 / (255) x 3	(250) x 2 + (337) x 1 / (255) x 2 + (340) x 1	(250) x 2 + (337) x 1 / (255) x 2 + (340) x 1
	Net Dimensions (WxHxD)	mm	(880 x 1703 x 765) x 3	(880 x 1703 x 765) x 3	(880 x 1703 x 765) x 3	(880 x 1703 x 765) x 2 + (1200 x 1703 x 765) x 1	(880 x 1703 x 765) x 2 + (1200 x 1703 x 765) x 1	
	Shipping Dimensions (WxHxD)	mm	(948 x 1868 x 832) x 3	(948 x 1868 x 832) x 3	(948 x 1868 x 832) x 3	(948 x 1868 x 832) x 2 + (1268 x 1868 x 832) x 1	(948 x 1868 x 832) x 2 + (1268 x 1868 x 832) x 1	
Operating Temp. Range	Cooling	°C	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	

DVM PLUS III HP / HR HIGH EFFICIENCY MODULE	Model Name		DVM PLUS III HP	RVXVHT380GE RVXVHT380GESTK	RVXVHT400GE RVXVHT400GESTK	RVXVHT420GE RVXVHT420GESTK	RVXVHT440GE RVXVHT440GESTK	RVXVHT460GE RVXVHT460GESTK
			DVM PLUS III HR	RVXVRT380GE RVXVRT380GESTK	RVXVRT400GE RVXVRT400GESTK	RVXVRT420GE RVXVRT420GESTK	RVXVRT440GE RVXVRT440GESTK	RVXVRT460GE RVXVRT460GESTK
	Power Supply	Mode	Ø, #, V, Hz	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50
Performance	HP	HP	HP	38	40	42	44	46
		kW	kW	106.4	112	117.6	123.2	128.8
	Capacity (Nominal)	Cooling	Btu/h	363,100	382,200	401,300	420,400	439,500
		Heating	kW	119.7	126	132.3	138.6	144.9
Power	Power Input (Nominal)	Cooling	kW	29.78	32.4	33	34.34	36.96
		Heating	kW	27.96	30.2	31.2	31.88	34.12
	Current Input (Nominal)	Cooling	A	62.3	69.4	72.6	65.9	73
		Heating	A	59	65.2	69	62	68.2
COP	Circuit Breaker (MCCB+ELB / ELCB)	A	125	125	125	125	125	
	Nominal Cooling	-	3.57	3.46	3.56	3.59	3.48	
Fan	Nominal Heating	-	4.28	4.17	4.24	4.35	4.25	
	Air Flow Rate	CMM	(170) x 1 + (210) x 2	(180) x 1 + (210) x 2	(210) x 3	(170) x 3 + (210) x 1	(170) x 2 + (180) x 1 + (210) x 1	
Piping Connections	Liquid Pipe	Ø, mm	19.05	19.05	19.05	19.05	19.05	
	Gas Pipe	Ø, mm	38.1	38.1	38.1	38.1	38.1	
	Discharge Gas Pipe	(DVM PLUS III HR) Ø, mm	31.75	31.75	31.75	31.75	31.75	
	Oil Equalizing Pipe	Ø, mm	6.35	6.35	6.35	6.35	6.35	
	Installation Limitation	Max. Length	m	200	200	200	200	
	Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)	50 (40)	
Refrigerant	Type	-	R410a	R410a	R410a	R410a	R410a	
	Factory Charging	kg	29.5	29.5	33	33.5	33.5	
Sound ³⁾	Sound Pressure	dB(A)	64	65	65	65	65	
	Net Weight	DVM PLUS III HP / DVM PLUS III HR	kg	(240) x 1 + (320) x 2 / (242) x 1 + (323) x 2	(240) x 1 + (320) x 2 / (242) x 1 + (323) x 2	(320) x 3 / (323) x 3	(240) x 3 + (320) x 1 / (242) x 3 + (323) x 1	(240) x 3 + (320) x 1 / (242) x 3 + (323) x 1
External Dimension	Shipping Weight	DVM PLUS III HP / DVM PLUS III HR	kg	(250) x 1 + (337) x 2 / (255) x 1 + (340) x 2	(250) x 1 + (337) x 2 / (255) x 1 + (340) x 2	(337) x 3 / (340) x 3	(250) x 3 + (337) x 1 / (255) x 3 + (340) x 1	(250) x 3 + (337) x 1 / (255) x 3 + (340) x 1
	Net Dimensions (WxHxD)	mm	(880 x 1703 x 765) x 1 + (1200 x 1703 x 765) x 2	(880 x 1703 x 765) x 1 + (1200 x 1703 x 765) x 2	(1200 x 1703 x 765) x 3	(880 x 1703 x 765) x 3 + (1200 x 1703 x 765) x 1	(880 x 1703 x 765) x 3 + (1200 x 1703 x 765) x 1	
	Shipping Dimensions (WxHxD)	mm	(948 x 1868 x 832) x 1 + (1268 x 1868 x 832) x 2	(948 x 1868 x 832) x 1 + (1268 x 1868 x 832) x 2	(1268 x 1868 x 832) x 3	(948 x 1868 x 832) x 3 + (1268 x 1868 x 832) x 1	(948 x 1868 x 832) x 3 + (1268 x 1868 x 832) x 1	
Operating Temp. Range	Cooling	°C	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	

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DVM Specification - Outdoor Units

Model Name	DVM PLUS III HP		RVXVHT480GE	RVXVHT500GE	RVXVHT520GE	RVXVHT540GE	RVXVHT560GE	
	DVM PLUS III HR		RVXVRT480GE	RVXVRT500GE	RVXVRT520GE	RVXVRT540GE	RVXVRT560GE	
Power Supply	Ø, #, V, Hz		3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	3, 4, 380-415, 50	
Mode	-		Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	
Performance	HP	HP	48	50	52	54	56	
		kW	134.4	140	145.6	151.2	156.8	
	Capacity (Nominal)	Cooling	Btu/h	458,600	477,700	496,800	515,900	535,000
		Heating	kW	151.2	157.5	163.8	170.1	176.4
		Btu/h	515,900	537,400	558,900	580,400	601,900	
Power	Power Input (Nominal)	Cooling	kW	37.56	40.18	42.8	43.4	44
		Heating	kW	35.12	37.36	39.6	40.6	41.6
	Current Input (Nominal)	Cooling	A	76.2	83.3	90.4	93.6	96.8
		Heating	A	72	78.2	84.4	88.2	92
	Circuit Breaker (MCCB+ELB / ELCB)	A	125	150	150	150	150	
COP	Nominal Cooling	-	3.58	3.48	3.4	3.48	3.56	
	Nominal Heating	-	4.31	4.22	4.14	4.19	4.24	
Fan	Air Flow Rate	CMM	(170) x 2 + (210) x 2	(170) x 1 + (180) x 1 + (210) x 2	(180) x 2 + (210) x 2	(180) x 1 + (210) x 3	(210) x 4	
	Liquid Pipe	Ø, mm	19.05	22.23	22.23	22.23	22.23	
Piping Connections	Gas Pipe	Ø, mm	38.1	44.45	44.45	44.45	44.45	
	Discharge Gas Pipe	(DVM PLUS III HR) Ø, mm	31.75	38.1	38.1	38.1	38.1	
	Oil Equalizing Pipe	Ø, mm	6.35	6.35	6.35	6.35	6.35	
	Installation	Max. Length	m	200	200	200	200	
	Limitation	Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)	
Refrigerant	Type	-	R410a	R410a	R410a	R410a	R410a	
	Factory Charging	kg	37	37	37	40.5	44	
Sound ³⁾	Sound Pressure	dB(A)	65	66	66	66	66	
	External Dimension	Net Weight	DVM PLUS III HP	kg	(240) x 2 + (320) x 2	(240) x 2 + (320) x 2	(240) x 1 + (320) x 3	(320) x 4
		DVM PLUS III HR	kg	(242) x 2 + (323) x 2	(242) x 2 + (323) x 2	(242) x 1 + (323) x 3	(323) x 4	
Shipping Weight		DVM PLUS III HP	kg	(250) x 2 + (337) x 2	(250) x 2 + (337) x 2	(250) x 1 + (337) x 3	(337) x 4	
		DVM PLUS III HR	kg	(255) x 2 + (340) x 2	(255) x 2 + (340) x 2	(255) x 1 + (340) x 3	(340) x 4	
Net Dimensions (WxHxD)	mm	(880 x 1708 x 765) x 2 + (1200 x 1708 x 765) x 2	(880 x 1708 x 765) x 2 + (1200 x 1708 x 765) x 2	(880 x 1708 x 765) x 2 + (1200 x 1708 x 765) x 2	(880 x 1708 x 765) x 1 + (1200 x 1708 x 765) x 3	(1200 x 1708 x 765) x 4		
	Shipping Dimensions (WxHxD)	mm	(948 x 1868 x 832) x 2 + (1268 x 1868 x 832) x 2	(948 x 1868 x 832) x 2 + (1268 x 1868 x 832) x 2	(948 x 1868 x 832) x 2 + (1268 x 1868 x 832) x 2	(948 x 1868 x 832) x 1 + (1268 x 1868 x 832) x 3	(1268 x 1868 x 832) x 4	
Operating Temp. Range	Cooling	°C	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	-5 ~ 43	
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	

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DVM PLUS III HP / HR HIGH EFFICIENCY MODULE

DVM SYSTEM

Specification

SAMSUNG SYSTEM AIR CONDITIONER

DVM Specification - Outdoor Units



High Ambient Temperature **DVM PLUS III** DIGITAL VARIABLE MULTI

- High Efficiency
- Easy Installation & Maintenance
- Eco-friendly
- High Ambient Temperature

Model Name		DVM PLUS III HP	RD080VQXGA	RD100VQXGA	RD120VQXGA	
Power Supply	Ø, #, V, Hz	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	
Mode		Heat Pump	Heat Pump	Heat Pump	Heat Pump	
Performance	Capacity	Cooling ¹⁾	kW	22.4	28	33.5
			Btu/h	76,400	95,500	114,300
		Cooling ²⁾	kW	22.4	25	28.5
			Btu/h	76,400	85,300	97,200
		Heating ³⁾	kW	25	31.5	37.5
			Btu/h	85,300	107,500	128,000
Power	Nominal Input	Cooling ¹⁾	kW	5.09	7.36	10
		Cooling ²⁾	kW	8.09	8.93	11.02
		Heating ³⁾	kW	5.74	7.18	9.06
		Circuit Breaker (MCCB / ELB)	A	25	30	40
COP		Cooling ¹⁾	-	4.4	3.4	2.85
		Cooling ²⁾	-	2.77	2.8	2.59
		Heating ³⁾	-	4.36	4.39	4.14
Fan	Type / Control	-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC	
	Liquid Pipe	Ø, mm	9.52	9.52	12.7	
Piping Connections	Gas Pipe	Ø, mm	19.05	22.23	28.58	
	Discharge Gas Pipe (DVM PLUS III HR)	Ø, mm	6.35	6.35	6.35	
	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	8.5	8.5	8.5	
Sound	Sound Pressure		dB(A)	57	57	59
		Net Weight	kg	280	280	280
External Dimension	Shipping Weight	kg	297	297	297	
	Net Dimensions (WxHxD)	mm	1200 x 1668 x 765	1200 x 1668 x 765	1200 x 1668 x 765	
	Shipping Dimensions (WxHxD)	mm	1268 x 1868 x 832	1268 x 1868 x 832	1268 x 1868 x 832	
Operating Temp. Range	Cooling	°C	-5~50	-5~50	-5~50	
	Heating	°C	-20~24	-20~24	-20~24	

Model Name		DVM PLUS III HP	16HP	18HP	20HP	22HP	
Basic	RD080VQXGA		2	1			
	RD100VQXGA			1		1	
	RD120VQXGA				2	1	
Power Supply	Ø, #, V, Hz	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	
Mode		Heat Pump	Heat Pump	Heat Pump	Heat Pump	Heat Pump	
Performance	Capacity	Cooling ¹⁾	kW	44.8	50.4	56	61.6
			Btu/h	152,800	171,900	191,000	210,100
		Cooling ²⁾	kW	44.8	47.4	50	53.5
			Btu/h	152,800	161,700	170,600	182,500
		Heating ³⁾	kW	50	56.5	63	69
			Btu/h	170,600	192,800	215,000	235,500
Power	Nominal Input	Cooling ¹⁾	kW	10.18	12.45	14.72	17.36
		Cooling ²⁾	kW	16.18	17.02	17.86	19.95
		Heating ³⁾	kW	11.48	12.92	14.36	16.24
		Circuit Breaker (MCCB / ELB)	A	50	60	60	60
COP		Cooling ¹⁾	-	4.4	4.05	3.8	3.55
		Cooling ²⁾	-	2.77	2.78	2.8	2.68
		Heating ³⁾	-	4.36	4.37	4.39	4.25
Fan	Type / Control	-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC	
	Liquid Pipe	Ø, mm	15.88	15.88	15.88	15.88	
Piping Connections	Gas Pipe	Ø, mm	28.58	28.58	28.58	28.58	
	Discharge Gas Pipe (DVM PLUS III HR)	Ø, mm	-	-	-	-	
	Oil (Flare)	Ø, mm	6.35	6.35	6.35	6.35	
	Installation Limitation	Max. Length	m	200	200	200	200
	Max. Height	m	50 (40)	50 (40)	50 (40)	50 (40)	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	
	Factory Charging	kg	8.5 x 2	8.5 x 2	8.5 x 2	8.5 x 2	
Sound	Sound Pressure		dB(A)	60	60	61	
		Net Weight	kg	280 x 2	280 x 2	280 x 2	280 x 2
External Dimension	Shipping Weight	kg	297 x 2	297 x 2	297 x 2	297 x 2	
	Net Dimensions (WxHxD)	mm	(1200 x 1668 x 765) x 2	(1200 x 1668 x 765) x 2	(1200 x 1668 x 765) x 2	(1200 x 1668 x 765) x 2	
	Shipping Dimensions (WxHxD)	mm	(1268 x 1868 x 832) x 2	(1268 x 1868 x 832) x 2	(1268 x 1868 x 832) x 2	(1268 x 1868 x 832) x 2	
Operating Temp. Range	Cooling	°C	-5~50	-5~50	-5~50	-5~50	
	Heating	°C	-20~24	-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, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
²⁾ Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 46°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
³⁾ Nominal cooling capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m

DVM Specification - Outdoor Units

DVM PLUS III High Ambient Temperature		DVM PLUS III HP		24HP	26HP	28HP	30HP
Model Name	RD080VOXGA		RD100VOXGA		RD120VOXGA		
Basic	RD080VOXGA		RD100VOXGA		RD120VOXGA		
Power Supply	Ø, #, V, Hz		3/ 380-415/ 50		3/ 380-415/ 50		3/ 380-415/ 50
Mode	-		Heat Pump		Heat Pump		Heat Pump
Performance	Capacity	Cooling ⁽¹⁾	kW	67.2	72.8	78.4	84
			Btu/h	229,200	248,300	267,400	286,500
		Cooling ⁽²⁾	kW	57	69.8	72.4	75
			Btu/h	194,400	238,100	247,000	255,900
Power	Nominal Input	Heating ⁽³⁾	kW	75	81.5	88	94.5
			Btu/h	256,000	278,100	300,300	322,500
		Cooling ⁽¹⁾	kW	20	17.54	19.81	22.08
			Btu/h	68,000	59,000	67,000	75,000
COP	-	Cooling ⁽²⁾	kW	22.04	25.11	25.95	26.79
			Btu/h	75,000	85,000	88,000	91,000
		Heating ⁽³⁾	kW	18.12	18.66	20.1	21.54
Fan	Type / Control	-		Propeller/BLDC		Propeller/BLDC	
		Liquid Pipe	Ø, mm	19.05	19.05	19.05	19.05
Piping Connections	-	Gas Pipe	Ø, mm	31.75	31.75	31.75	31.75
		Discharge Gas Pipe (DVM PLUS III HR)	Ø, mm	-	-	-	-
		Oil (Flare)	Ø, mm	6.35	6.35	6.35	6.35
		Installation Limitation	Max. Length	m	200	200	200
Refrigerant	-	Type	-	R410A		R410A	
		Factory Charging	kg	8.5 x 2	8.5 x 3	8.5 x 3	8.5 x 3
Sound	-	Sound Pressure	dB(A)	61	62	62	62
		Net Weight	kg	280 x 2	280 x 3	280 x 3	280 x 3
External Dimension	-	Shipping Weight	kg	297 x 2	297 x 3	297 x 3	297 x 3
		Net Dimensions (WxHxD)	mm	(1200 x 1668 x 765) x 2	(1200 x 1668 x 765) x 3	(1200 x 1668 x 765) x 3	(1200 x 1668 x 765) x 3
		Shipping Dimensions (WxHxD)	mm	(1268 x 1888 x 832) x 2	(1268 x 1888 x 832) x 3	(1268 x 1888 x 832) x 3	(1268 x 1888 x 832) x 3
Operating Temp. Range	-	Cooling	°C	-5-50	-5-50	-5-50	-5-50
		Heating	°C	-20-24	-20-24	-20-24	-20-24

DVM PLUS III High Ambient Temperature		DVM PLUS III HP		32HP	34HP	36HP	
Model Name	RD080VOXGA		RD100VOXGA		RD120VOXGA		
Basic	RD080VOXGA		RD100VOXGA		RD120VOXGA		
Power Supply	Ø, #, V, Hz		3/ 380-415/ 50		3/ 380-415/ 50		
Mode	-		Heat Pump		Heat Pump		
Performance	Capacity	Cooling ⁽¹⁾	kW	89.6	95.2	100.8	
			Btu/h	305,600	324,700	343,800	
		Cooling ⁽²⁾	kW	78.5	82	85.5	
			Btu/h	267,800	279,700	291,600	
Power	Nominal Input	Heating ⁽³⁾	kW	100.5	106.5	112.5	
			Btu/h	343,000	363,500	384,000	
		Cooling ⁽¹⁾	kW	24.72	27.36	30	
			Btu/h	84,000	93,000	100,000	
COP	-	Cooling ⁽²⁾	kW	28.88	30.97	33.06	
			Btu/h	98,000	106,000	112,000	
		Heating ⁽³⁾	kW	23.42	25.3	27.18	
Fan	Type / Control	-		Propeller/BLDC		Propeller/BLDC	
		Liquid Pipe	Ø, mm	19.05	19.05	19.05	19.05
Piping Connections	-	Gas Pipe	Ø, mm	31.75	31.75	38.1	
		Discharge Gas Pipe (DVM PLUS III HR)	Ø, mm	-	-	-	
		Oil (Flare)	Ø, mm	6.35	6.35	6.35	
		Installation Limitation	Max. Length	m	200	200	
Refrigerant	-	Type	-	R410A		R410A	
		Factory Charging	kg	8.5 x 3	8.5 x 3	8.5 x 3	
Sound	-	Sound Pressure	dB(A)	63	63	63	
		Net Weight	kg	280 x 3	280 x 3	280 x 3	
External Dimension	-	Shipping Weight	kg	297 x 3	297 x 3	297 x 3	
		Net Dimensions (WxHxD)	mm	(1200 x 1668 x 765) x 3	(1200 x 1668 x 765) x 3	(1200 x 1668 x 765) x 3	
		Shipping Dimensions (WxHxD)	mm	(1268 x 1888 x 832) x 3	(1268 x 1888 x 832) x 3	(1268 x 1888 x 832) x 3	
Operating Temp. Range	-	Cooling	°C	-5-50	-5-50	-5-50	
		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, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
 *2) Nominal cooling capacities are based on - Indoor temperature: 27°C DB, 19°C WB, Outdoor temperature: 46°C DB, 24°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m
 *3) Nominal cooling capacities are based on - Indoor temperature: 20°C DB, 15°C WB, Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m

DVM Specification - Indoor Units



Mini DVM DIGITAL VARIABLE MULTI

- High Energy Efficiency
- Compact Design
- Easy Maintenance
- High Reliability
- Various Indoor Units
- Wide Compatibility

Model	RVXMHF040EA		RVXMHF050EA		RVXMHF050GA		RVXMHF060GA	
	RVXMHF040EASTK		RVXMHF050EASTK		RVXMHF050GASTK		RVXMHF060GASTK	
Performance	Horse Power	HP	4	5	5	6		
		kW	12.5	14.0	14.0	16.0		
	Capacity	Cooling	Btu/h	42,700	47,800	47,800	54,600	
		Heating	kW	14.5	16.0	16.0	18.0	
Power	Nominal Running Current	Cooling	kW	19.0	22.4	8.5	11.0	
		Heating	kW	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	a/V/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	-	3.91	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	5.0	5.4	5.75	6.65		
	Lubricant	Type	-	3MAF POE	3MAF POE	3MAF POE		
Fan	Charging	cc	1,893	1,893	1,893	1,774		
	Type	-	Propeller	Propeller	Propeller	Propeller		
	Output	W	200x2	200x2	200x2	200x2		
Piping Connections	Airflow Rate	m ³ /min	105	105	105	105		
	Liquid(Flare)	Max.Length	ø,mm	9.52	9.52	9.52		
	Gas(Flare)	ø,mm	15.88	15.88	15.88	15.88		
	Installation	m	100	100	100	100		
Refrigerant	Limitation	m	30	30	30	30		
	Type	-	R410A	R410A	R410A	R410A		
	Factory Charging	kg	5.5	5.5	5.5	5.5		
Sound	Sound Pressure (Cooling/Heating)	dB(A)	55/56	55/57	55/57	57/60		
	Net Weight	kg	124	125	125	125		
Set Size	Shipping Weight	kg	132	133	133	133		
	Net Dimensions (WxGxD)	mm	932x1,128x375	932x1,128x375	932x1,128x375	932x1,128x375		
	Shipping Dimensions (WxGxD)	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	-20~24		

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DVM Specification - Indoor Units



4Way Cassette S

- S-Plasma ion (Optional)
- Individual Blade Control



Model		ND0454HXEA ND0454HXEA5TK	ND0564HXEA ND0564HXEA5TK	ND0714HXEA ND0714HXEA5TK	ND0904HXEA ND0904HXEA5TK	ND1124HXEA ND1124HXEA5TK	ND1284HXEA ND1284HXEA5TK	ND1404HXEA ND1404HXEA5TK	
Power Supply		Ø, #, V, Hz 1, 2, 220-240, 60							
Mode		HP / HR							
Performance	Capacity (Nominal)	Cooling	k	4.5	5.6	7.1	9.0	11.2	14.0
		Heating	kW	5.0	6.3	8.0	10.0	12.5	15.8
	Power Input (Nominal)	Cooling	W	40	40	45	50	50	65
		Heating	A	0.19	0.19	0.21	0.23	0.23	0.30
Fan	Motor	Type	Turbo Fan / BLDC						
	Air Flow Rate	High / Mid / Low	CMM	14.5	15.0	17.0	19.5	26.0	28.0
	External Static Pressure	Min. / Std. / Max.	mmAq	-	-	-	-	-	-
			Pa	-	-	-	-	-	-
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	9.52	9.52	9.52	9.52	
		Ø, inch	1/4	1/4	3/8	3/8	3/8	3/8	
	Gas Pipe	Ø, mm	12.7	12.7	15.88	15.88	15.88	15.88	
		Ø, inch	1/2	1/2	5/8	5/8	5/8	5/8	
Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)							
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5						
	Transmission Cable	mm	0.75 / 1.5						
Refrigerant	Type	R410a							
	Control Method	EEV							
Sound	Sound Pressure	High / Low	dB(A)	34/29	34/30	36/30	39/32	39/32	41/35
	Net Weight	kg	15.1	15.1	15.1	15.1	17	18.7	
Dimensions	Shipping Weight	kg	19.1	19.1	19.1	19.1	20.5	22.8	
	Net Dimensions (WxHxD)	mm	840 x 204 x 840						
	Shipping Dimensions (WxHxD)	mm	910 x 226 x 910						
	Panel Model		PC4NUSKA						
Panel Size	Panel Net Weight	kg	6.7						
	Shipping Weight	kg	8.9						
	Net Dimensions (WxHxD)	mm	950 x 93 x 950						
	Shipping Dimensions (WxHxD)	mm	1042 x 93 x 1042						
Additional Accessories	Drain Pump		Built-in						
	Max. Lifting Height / Displacement	mm / liter/h	750 / 24						
	Air Filter		Long life filter						

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MWR-DH00

Panel



PC4NUSKA



PC4NUSKE

DVM Specification - Indoor Units



4Way Cassette

- New Turbo Fan
- Compact Size
- Easy Leveling
- Efficient Cooling



Model	A XC4H045EESTK AVXC4H045EG	A XC4H056EESTK AVXC4H056EG	AVXC4H071EESTK AVXC4H071EG	AVXC4H090EESTK AVXC4H090EG	AVXC4H112EESTK AVXC4H112EG	AVXC4H128EESTK AVXC4H128EG	AVXC4H140EESTK AVXC4H140EG			
Performance	Capacity (Nominal)	Cooling	kW	4.5	5.6	7.1	9	11.2	12.8	14
			Btu/h	15,300	19,100	24,200	30,700	38,200	43,600	47,700
Power	Input	Heating	kW	5	6.3	8	10	12.5	13.8	16
			Btu/h	17,000	21,400	27,200	34,100	42,600	47,000	54,500
Power Supply	Running Current		W	40	40	45	50	50	65	80
			A	0.19	0.19	0.21	0.23	0.23	0.3	0.36
Mode	Sound Pressure	High / Low	Ø, #, V, Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Fan	Type		dB(A)	34/29	34/29	36/30	39/32	40/33	41/35	45/38
			Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
Airflow Rate	Cooling (High)		m ³ /min	14.5	14.5	17	19.5	23	25	26.5
		Heating (High)	m ³ /min	16.5	16.5	18.5	21.5	26.5	29.5	32
Refrigerant	Control Method		Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A
			EEV	EEV	EEV	EEV	EEV	EEV	EEV	
Piping Connections	Liquid (Flare)	Ø, mm	6.35	6.35	9.52	9.52	9.52	9.52	9.52	
	Gas (Flare)	Ø, mm	12.7	12.7	15.88	15.88	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)	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	25	25	25	29	29	29	
	Shipping Weight	kg	31	31	31	31	35	35	35	
Set Size	Net Dimensions (WxHxD)	mm	840x218x840	840x218x840	840x218x840	840x218x840	840x288x840	840x288x840	840x288x840	
	Shipping Dimensions (WxHxD)	mm	926x280x926	926x280x926	926x280x926	926x280x926	926x360x926	926x360x926	926x360x926	
Panel Size	Model		P4SMA	P4SMA	P4SMA	P4SMA	P4SMA	P4SMA	P4SMA	
	Net Weight	kg	7	7	7	7	7	7	7	
	Shipping Weight	kg	10.3	10.3	10.3	10.3	10.3	10.3	10.3	
	Net Dimensions (WxHxD)	mm	950x35x950	950x35x950	950x35x950	950x35x950	950x35x950	950x35x950	950x35x950	
Standard Accessories	Filter / Safety Grille		Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille	Filter / Safety Grille	
	Drain Pump (Pumping speed / lift)	l/h / mm	24/750	24/750	24/750	24/750	24/750	24/750	24/750	

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MFR-DH00

- Panel



P4SMA

DVM Specification - Indoor Units



Mini 4Way Cassette

- Ideal Compact Size
- Fan Speed Adjustment



Model		AVXCMH028EE AVXCMH028EESTK	AVXCMH036EE AVXCMH036EESTK	AVXCMH056EE AVXCMH056EESTK	AVXCMH080EE AVXCMH080EESTK		
Power Supply		Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50		
Mode			HP / HR	HP / HR	HP / HR		
Performance	Capacity (Nominal)	Cooling	kW	2.8	3.6	5.6	6.0
		Btu/h	9,600	12,300	19,100	20,500	
	Heating	kW	3.2	4.0	6.3	6.8	
		Btu/h	10,900	13,600	21,500	23,200	
Power	Power Input (Nominal)	Cooling	W	90	90	95	100
		Heating	90	90	95	100	
	Current Input (Nominal)	Cooling	A	0.50	0.50	0.52	0.55
		Heating	0.50	0.50	0.52	0.55	
Fan	Motor	Type	-	Turbo Fan / SSR	Turbo Fan / SSR	Turbo Fan / SSR	Turbo Fan / SSR
	Output	W	80	80	80	80	
	Air Flow Rate	High / Mid / Low	CMM	10.1 / 9.1 / 8.1	10.3 / 9.3 / 8.3	13 / 12 / 11	13.5 / 12.5 / 11.5
	External Static Pressure	Min. / Std. / Max.	mmAq	-	-	-	-
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	6.35	
	Ø, inch	1/4	1/4	1/4	1/4		
	Gas Pipe	Ø, mm	12.7	12.7	12.7	12.7	
	Ø, inch	1/2	1/2	1/2	1/2		
Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	
	Transmission Cable	mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	
Refrigerant	Type	-	R410a	R410a	R410a	R410a	
	Control Method	-	EEV	EEV	EEV	EEV	
Sound	Sound Pressure	High / Low	dBA	30 / 25	34 / 27	41 / 33	41 / 33
	Net Weight	kg	17	17	17	17	
Dimensions	Shipping Weight	kg	20	20	20	20	
	Net Dimensions (WxHxD)	mm	575 x 260 x 575	575 x 260 x 575	575 x 260 x 575	575 x 260 x 575	
	Shipping Dimensions (WxHxD)	mm	660 x 310 x 635	660 x 310 x 635	660 x 310 x 635	660 x 310 x 635	
	Panel Model	-	PMSMA	PMSMA	PMSMA	PMSMA	
Panel Size	Panel 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	670 x 35 x 670	670 x 35 x 670	670 x 35 x 670	670 x 35 x 670	
	Shipping Dimensions (WxHxD)	mm	717 x 93 x 717	717 x 93 x 717	717 x 93 x 717	717 x 93 x 717	
Additional Accessories	Drain Pump	Drain Pump	-	Built-in	Built-in	Built-in	Built-in
	Max. Lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	750 / 24	
Air Filter	-	Long life filter	Long life filter	Long life filter	Long life filter		

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Optional Accessories



Slim 1Way Cassette

- Slim and Compact Design
- Quiet Operation
- No Overflowing Drain Water



Model		AVXCSH022EE AVXCSH022EESTK	AVXCSH028EE AVXCSH028EESTK	AVXCSH036EE AVXCSH036EESTK		
Power Supply		Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50		
Mode			HP / HR	HP / HR		
Performance	Capacity (Nominal)	Cooling	kW	2.2	2.8	3.6
		Btu/h	7,500	9,600	12,300	
	Heating	kW	2.5	3.2	4.0	
		Btu/h	8,500	10,900	13,600	
Power	Power Input (Nominal)	Cooling	W	40	45	50
		Heating	40	45	50	
	Current Input (Nominal)	Cooling	A	0.20	0.23	0.25
		Heating	0.20	0.23	0.25	
Fan	Motor	Type	-	Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR
	Output	W	23	23	23	
	Air Flow Rate	High / Mid / Low	CMM	6 / 5 / 4	7 / 6 / 5	8 / 7 / 6
	External Static Pressure	Min. / Std. / Max.	mmAq	-	-	-
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	
	Ø, inch	1/4	1/4	1/4		
	Gas Pipe	Ø, mm	12.7	12.7	12.7	
	Ø, inch	1/2	1/2	1/2		
Drain Pipe	Ø, mm	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)		
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	
	Transmission Cable	mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	
Refrigerant	Type	-	R410a	R410a	R410a	
	Control Method	-	EEV	EEV	EEV	
Sound	Sound Pressure	High / Low	dBA	30 / 25	30 / 25	32 / 27
	Net Weight	kg	11	11	11	
Dimensions	Shipping Weight	kg	14	14	14	
	Net Dimensions (WxHxD)	mm	970 x 135 x 410	970 x 135 x 410	970 x 135 x 410	
	Shipping Dimensions (WxHxD)	mm	1164 x 212 x 478	1164 x 212 x 478	1164 x 212 x 478	
	Panel Model	-	PSSMA	PSSMA	PSSMA	
Panel Size	Panel Net Weight	kg	3.0	3.0	3.0	
	Shipping Weight	kg	5.0	5.0	5.0	
	Net Dimensions (WxHxD)	mm	1180 x 25 x 460	1180 x 25 x 460	1180 x 25 x 460	
	Shipping Dimensions (WxHxD)	mm	1259 x 144 x 539	1259 x 144 x 539	1259 x 144 x 539	
Additional Accessories	Drain Pump	Drain Pump	-	Built-in	Built-in	
	Max. Lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	
Air Filter	-	Long life filter	Long life filter	Long life filter		

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Optional Accessories





2Way Cassette

- Standard Formula for Easy Installation
- Twin Cross Flow Fan
- Small Size, Big Performance



Model			AVXC2H056EE AVXC2H056EESTK	AVXC2H071EE AVXC2H071EESTK	
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	
Mode			HP / HR	HP / HR	
Capacity (Nominal)	Cooling	kW	5.6	7.1	
		Btu/h	19,100	24,200	
	Heating	kW	6.3	8.0	
		Btu/h	21,500	27,300	
Power (Nominal)	Cooling	W	70	75	
			70	75	
	Heating	A	0.38	0.40	
			0.38	0.40	
Fan	Motor	Type	Crossflow Fan / SSR	Crossflow Fan / SSR	
		Output	W	14	
	Air Flow Rate	CMM	14 / 13 / 12	15 / 14 / 13	
		External Static Pressure	Min. / Std. / Max.	mmAq	-
Piping Connections	Liquid Pipe	Ø, mm	6.35	9.52	
		Ø, inch	1/4	3/8	
	Gas Pipe	Ø, mm	12.7	15.88	
		Ø, inch	1/2	5/8	
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	
	Transmission Cable	mm	0.75 / 1.5	0.75 / 1.5	
Refrigerant	Type	-	R410a	R410a	
	Control Method	-	EEV	EEV	
Sound	Sound Pressure	High / Low	dBA	36 / 28	38 / 28
			kg	21	25
Dimensions	Net Weight	kg	21	25	
		Shipping Weight	kg	25	25
	Net Dimensions (WxHxD)	mm	890 x 230 x 575	890 x 230 x 575	
		Shipping Dimensions (WxHxD)	mm	1077 x 299 x 642	1077 x 299 x 642
Panel Size	Panel Model	-	P2SMA	P2SMA	
		Panel Net Weight	kg	4.0	4.0
	Shipping Weight	kg	8.0	8.0	
		Net Dimensions (WxHxD)	mm	1030 x 25 x 650	1030 x 25 x 650
Additional Accessories	Drain Pump	Drain Pump	Built-in	Built-in	
		Max. Lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24
	Air Filter	-	Long life filter	Long life filter	

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Optional Accessories



Slim Duct

- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain



Model			NDQ22LHXEA	NDQ28LHXEA	NDQ36LHXEA	
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
Mode			HP / HR	HP / HR	HP / HR	
Capacity (Nominal)	Cooling	kW	2.2	2.8	3.6	
		Btu/h	7,500	9,600	12,300	
	Heating	kW	2.5	3.2	4.0	
		Btu/h	8,500	10,900	13,600	
Power (Nominal)	Cooling	W	80	80	80	
			80	80	80	
	Heating	A	0.40	0.40	0.40	
			0.40	0.40	0.40	
Fan	Motor	Type	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR	
		Output	W	-	-	-
	Air Flow Rate	High / Mid / Low	CMM	8 / 7 / 6	9 / 8 / 7	10 / 8.5 / 7
		External Static Pressure	Min. / Std. / Max.	mmAq	0 / 2 / 4	0 / 2 / 4
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	
		Ø, inch	1/4	1/4	1/4	
	Gas Pipe	Ø, mm	12.7	12.7	12.7	
		Ø, inch	1/2	1/2	1/2	
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	
	Transmission Cable	mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	
Refrigerant	Type	-	R410a	R410a	R410a	
	Control Method	-	EEV	EEV	EEV	
Sound	Sound Pressure	High / Low	dBA	31 / 26	32 / 27	
			kg	26	26	
Dimensions	Net Weight	kg	26	26		
		Shipping Weight	kg	31	31	
	Net Dimensions (WxHxD)	mm	900 x 199 x 600	900 x 199 x 600		
		Shipping Dimensions (WxHxD)	mm	1133 x 330 x 730	1133 x 330 x 730	
Panel Size	Panel Model	-	-	-		
		Panel Net Weight	kg	-	-	
	Shipping Weight	kg	-	-		
		Net Dimensions (WxHxD)	mm	-	-	
Additional Accessories	Drain Pump	Drain Pump	Optional / MDP-E075SEE3	Optional / MDP-E075SEE3		
		Max. Lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	
	Air Filter	-	Long life filter	Long life filter		

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Optional Accessories



DVM Specification - Indoor Units



Slim Duct

- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain



Model	ND045LHXEA		ND056LHXEA		ND071LHXEA		ND090LHXEA		ND112LHXEA		ND128LHXEA		ND140LHXEA			
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50			
Mode	-		HP / HR		HP / HR		HP / HR		HP / HR		HP / HR		HP / HR			
Capacity (Nominal)	Cooling	kW	4.5		5.6		7.1		9.0		11.2		14.0			
		Btu/h	15,400		19,100		24,200		30,700		38,200		47,800			
	Heating	kW	5.0		6.3		8.0		10.0		12.5		16.0			
		Btu/h	17,100		21,500		27,300		34,100		42,700		54,600			
Power	Power Input (Nominal)	Cooling	90		100		120		170		200		220			
		Heating	90		100		120		170		200		220			
	Current Input (Nominal)	Cooling	0.60		0.60		0.60		0.96		0.96		1.13			
		Heating	0.60		0.60		0.60		0.96		0.96		1.13			
Fan	Motor	Type	Sirroco Fan / SSR		Sirroco Fan / SSR		Sirroco Fan / SSR		Sirroco Fan / BLDC		Sirroco Fan / BLDC		Sirroco Fan / BLDC			
		Output	-		-		-		-		-		-			
	Air Flow Rate	High / Mid / Low	CMM		14.5 / 13 / 11.5		15.5 / 14 / 12.5		16.5 / 15 / 13.5		29 / 27 / 25		31.2 / 29 / 27		34 / 32 / 30	
			mmAq		0 / 2 / 4		0 / 2 / 4		0 / 2 / 4		0 / 2 / 4		0 / 2 / 4		0 / 2 / 4	
External Static Pressure	Min. / Std. / Max.	Pa		0 / 19.6 / 39.2		0 / 19.6 / 39.2		0 / 19.6 / 39.2		0 / 19.6 / 39.2		0 / 19.6 / 39.2		0 / 19.6 / 39.2		
		-		-		-		-		-		-		-		
Piping Connections	Liquid Pipe	Ø, mm	6.35		6.35		9.52		9.52		9.52		9.52			
		Ø, inch	1/4		1/4		3/8		3/8		3/8		3/8			
	Gas Pipe	Ø, mm	12.7		12.7		15.88		15.88		15.88		15.88			
		Ø, inch	1/2		1/2		5/8		5/8		5/8		5/8			
Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)				
	-		-		-		-		-		-		-			
Field Wiring	Power Source Wire	mm ²		1.5 / 2.5		1.5 / 2.5		1.5 / 2.5		1.5 / 2.5		1.5 / 2.5				
	Transmission Cable	mm ²		0.75 / 1.5		0.75 / 1.5		0.75 / 1.5		0.75 / 1.5		0.75 / 1.5				
Refrigerant	Type	-		R410a		R410a		R410a		R410a		R410a				
	Control Method	-		EEV		EEV		EEV		EEV		EEV				
Sound	Sound Pressure	High / Low	dBA		33 / 30		33 / 30		36 / 32		40 / 36		41 / 38			
			-		-		-		-		-		-			
Dimensions	Net Weight	kg		31		31		31		43		46				
	Shipping Weight	kg		39		39		39		52		55				
	Net Dimensions (WxHxD)	mm		1100 x 199 x 600		1100 x 199 x 600		1100 x 199 x 600		1300 x 295 x 690		1300 x 295 x 690				
	Shipping Dimensions (WxHxD)	mm		1330 x 330 x 730		1330 x 330 x 730		1330 x 330 x 730		1600 x 444 x 831		1600 x 444 x 831				
Panel Size	Panel Model	-		-		-		-		-		-				
	Panel Net Weight	kg		-		-		-		-		-				
	Shipping Weight	kg		-		-		-		-		-				
	Net Dimensions (WxHxD)	mm		-		-		-		-		-				
Additional Accessories	Drain Pump	Drain Pump	-		Optional / MDP-E075SEE3		Optional / MDP-E075SEE3		Optional / MDP-E075SEE3		Optional / MDP-E075SEE3		Optional / MDP-E075SEE3			
		Max. Lifting Height / Displacement	mm / liter/h		750 / 24		750 / 24		750 / 24		750 / 24		750 / 24			
Air Filter	-	-		Long life filter		Long life filter		Long life filter		Long life filter		Long life filter				
		-		-		-		-		-		-				

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00



MRK-A00



MRW-10A

Drain Pump



MDP-E075SEE3

DVM Specification - Indoor Units



MSP Duct

- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



Model		AVXDUH06EE AVXDUH06EESTK	AVXDUH07EE AVXDUH07EESTK	AVXDUH090EE AVXDUH090EESTK	AVXDUH112EE AVXDUH112EESTK	AVXDUH128EE AVXDUH128EESTK	AVXDUH140EE AVXDUH140EESTK		
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50		
Mode		HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	HP / HR		
Capacity (Nominal)	Cooling	kW	5.6	7.1	9.0	11.2	14.0		
		Btu/h	19,100	24,200	30,700	38,200	47,800	47,800	
	Heating	kW	6.3	8.0	10.0	12.5	13.8	16.0	
		Btu/h	21,500	27,300	34,100	42,700	47,100	54,600	
Power	Power Input (Nominal)	Cooling	130	190	240	260	370	410	
		Heating	130	190	240	260	370	410	
	Current Input (Nominal)	Cooling	1.10	1.25	1.30	1.17	1.67	1.86	
		Heating	1.10	1.25	1.30	1.17	1.67	1.86	
Fan	Motor	Type	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR	Sirocco Fan / SSR		
		Output	124	124	130	130	218	218	
	Air Flow Rate	High / Mid / Low	CMM	14.5 / 13 / 11.5	18.5 / 17 / 15.5	19.5 / 18 / 16.5	27 / 25 / 23	32 / 30 / 28	37 / 34 / 31
		External Static Pressure	Min. / Std. / Max.	mmAq	0 / 4 / 6	0 / 4 / 6	4 / 6 / 8	6 / 8 / 10	6 / 8 / 10
Piping Connections	Liquid Pipe	Ø, mm	6.35	9.52	9.52	9.52	9.52	9.52	
		Ø, inch	1/4	3/8	3/8	3/8	3/8	3/8	
	Gas Pipe	Ø, mm	12.7	15.88	15.88	15.88	15.88	15.88	
		Ø, inch	1/2	5/8	5/8	5/8	5/8	5/8	
Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5		
	Transmission Cable	mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	VCTF 0.75 / VCTF 1.5		
Refrigerant	Type		R410a	R410a	R410a	R410a	R410a		
	Control Method		EEV	EEV	EEV	EEV	EEV		
Sound	Sound Pressure	High / Low	dB(A)	37 / 33	39 / 35	39 / 35	39 / 35	43 / 38	
		Net Weight	kg	31	31	35	39	52	
Dimensions	Shipping Weight	kg	36	36	41	46	60		
	Net Dimensions (WxHxD)	mm	900 x 260 x 480	900 x 260 x 480	1150 x 260 x 480	1150 x 320 x 480	1200 x 360 x 650	1200 x 360 x 650	
	Shipping Dimensions (WxHxD)	mm	1146 x 345 x 584	1146 x 345 x 584	1390 x 345 x 584	1390 x 420 x 584	1447 x 425 x 769	1447 x 425 x 769	
	Panel Model		-	-	-	-	-	-	
Panel Size	Panel Net Weight	kg	-	-	-	-	-		
	Shipping Weight	kg	-	-	-	-	-		
	Net Dimensions (WxHxD)	mm	-	-	-	-	-		
	Shipping Dimensions (WxHxD)	mm	-	-	-	-	-		
Additional Accessories	Drain Pump	Drain Pump	Optional / MDP-E075SGU3	Optional / MDP-E075SGU3	Optional / MDP-E075SGU1	Optional / MDP-E075SGU1	Optional / MDP-M075SGU2	Optional / MDP-M075SGU2	
		Max. Lifting Height / Displacement	mm / liter/h	750 / 24	750 / 24	750 / 24	750 / 24	750 / 24	
Air Filter		Long life filter	Long life filter	Long life filter	Long life filter	Long life filter	Long life filter		

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00



MRK-A00



MRW-10A

Drain Pump



MDP-M075SGU1
MDP-M075SGU2
MDP-M075SGU3

DVM Specification - Indoor Units



Neo Forte

- Clean-cut Front Pane
- Silver Accent Line
- Bottom Opening Front Pane



Model			AVXWNH022EE AVXWNH022EESTK	AVXWNH028EE AVXWNH028EESTK	AVXWNH036EE AVXWNH036EESTK	AVXWNH056EE AVXWNH056EESTK	AVXWNH071EE AVXWNH071EESTK	
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	
Mode			HP / HR	HP / HR	HP / HR	HP / HR	HP / HR	
Capacity (Nominal)	Cooling	kW	2.2	2.8	3.6	5.6	6.8	
		Btu/h	7,500	9,600	12,300	19,100	23,200	
	Heating	kW	2.5	3.2	4.0	6.3	7.0	
		Btu/h	8,500	10,900	13,600	21,500	23,900	
Power	Power Input (Nominal)	Cooling	25	25	30	45	50	
		Heating	25	25	30	45	50	
	Current Input (Nominal)	Cooling	0.13	0.18	0.19	0.30	0.30	
		Heating	0.13	0.18	0.19	0.30	0.30	
Fan	Motor	Type	-	Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR	
		Output	W	23	23	23	40	
	Air Flow Rate	High / Mid / Low	CMM	7.8 / 6.8 / 5.8	8.2 / 7.2 / 6.2	9.3 / 8.3 / 7.3	12 / 10.5 / 9	14 / 12.5 / 11
		External Static Pressure	Min. / Std. / Max.	mmAq	-	-	-	-
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	6.35	9.52	
		Ø, inch	1/4	1/4	1/4	1/4	3/8	
	Gas Pipe	Ø, mm	12.7	12.7	12.7	12.7	15.88	
		Ø, inch	1/2	1/2	1/2	1/2	5/8	
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	
	Transmission Cable	mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	
Refrigerant	Type		R410a	R410a	R410a	R410a	R410a	
	Control Method		EEV (External)	EEV (External)	EEV (External)	EEV (External)	EEV (External)	
Sound	Sound Pressure	High / Low	dB(A)	32 / 23	32 / 23	36 / 23	40 / 30	41 / 30
		Net Weight	kg	8	8	8	13	13
Dimensions	Shipping Weight	kg	9	9	9	15	15	
		Net Dimensions (WxHxD)	mm	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1065 x 298 x 218	1065 x 298 x 218
	Shipping Dimensions (WxHxD)	mm	900 x 349 x 252	900 x 349 x 252	900 x 349 x 252	1137 x 377 x 299	1137 x 377 x 299	
		Panel Model		-	-	-	-	-
Panel Size	Shipping Weight	kg	-	-	-	-	-	
		Net Dimensions (WxHxD)	mm	-	-	-	-	-
	Shipping Dimensions (WxHxD)	mm	-	-	-	-	-	
		Drain Pump	Drain Pump		-	-	-	-
Additional Accessories	Max. Lifting Height / Displacement	mm / liter/h	-	-	-	-	-	
		Air Filter		Long life filter	Long life filter	Long life filter	Long life filter	

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-CH00

Standard Accessories

- Individual Controllers



DVM Specification - Indoor Units



Neo Forte - E

- Clean-cut Front Pane
- Silver Accent Line
- Bottom Opening Front Pane
- Internal EEV



Model	NDQ22QHxEA		NDQ28QHxEA		NDQ36QHxEA		NDQ46QHxEA		NDQ56QHxEA		NDQ71QHxEA				
Power Supply	Ø, #, V, Hz		1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50		1, 2, 220-240, 50				
Mode	HP / HR		HP / HR		HP / HR		HP / HR		HP / HR		HP / HR				
Capacity (Nominal)	Cooling	kW	2.2	2.8	3.6	4.5	5.6	6.8	Btu/h	7,500	9,600	12,300	15,300	19,100	23,200
		Btu/h	7,500	9,600	12,300	15,300	19,100	23,200		29,900	33,000	41,900	51,000	65,000	
	Heating	kW	2.5	3.2	4.0	5.0	6.3	7.0	Btu/h	8,500	10,900	13,600	17,000	21,500	23,900
		Btu/h	8,500	10,900	13,600	17,000	21,500	23,900		29,900	33,000	41,900	51,000	65,000	
Power	Power Input (Nominal)	Cooling	25	25	30	40	45	50	W	25	25	30	40	45	50
		Heating	25	25	30	40	45	50		25	25	30	40	45	50
	Current Input (Nominal)	Cooling	0.16	0.16	0.18	0.27	0.30	0.30	A	0.16	0.16	0.18	0.27	0.30	0.30
		Heating	0.16	0.16	0.18	0.27	0.30	0.30		0.16	0.16	0.18	0.27	0.30	0.30
Fan	Motor	Type	Crossflow Fan / SSR		Crossflow Fan / SSR		Crossflow Fan / SSR		Crossflow Fan / SSR		Crossflow Fan / SSR				
		Output	23		23		40		40		40				
	Air Flow Rate	High / Mid / Low	7.8 / 6.8 / 5.8		8.2 / 7.2 / 6.2		9.3 / 8.3 / 7.3		11.7 / 10.2 / 8.7		12 / 10.5 / 9		14 / 12.5 / 11		
		External Static Pressure	Min. / Std. / Max.	-		-		-		-		-		-	
Piping Connections	Liquid Pipe	Ø, mm	6.35		6.35		6.35		6.35		9.52				
		Ø, inch	1/4		1/4		1/4		1/4		3/8				
	Gas Pipe	Ø, mm	12.7		12.7		12.7		12.7		15.88				
		Ø, inch	1/2		1/2		1/2		1/2		5/8				
Drain Pipe	Ø, mm	VP18 (OD, ID)		VP18 (OD, ID)		VP18 (OD, ID)		VP18 (OD, ID)		VP18 (OD, ID)					
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5		1.5 / 2.5		1.5 / 2.5		1.5 / 2.5		1.5 / 2.5				
	Transmission Cable	mm ²	0.75 / 1.5		0.75 / 1.5		0.75 / 1.5		0.75 / 1.5		0.75 / 1.5				
Refrigerant	Type	R410a		R410a		R410a		R410a		R410a					
	Control Method	EEV		EEV		EEV		EEV		EEV					
Sound	Sound Pressure	High / Low	35 / 26		35 / 26		39 / 26		39 / 33		42 / 33		44 / 33		
		Net Weight	8		8		8		13		13		13		
	Shipping Weight	kg	9		9		9		16		16		16		
		Net Dimensions (WxHxD)	mm	825 x 285 x 189		825 x 285 x 189		825 x 285 x 189		1065 x 298 x 218		1065 x 298 x 218		1065 x 298 x 218	
Shipping Dimensions (WxHxD)	mm	900 x 349 x 252		900 x 349 x 252		900 x 349 x 252		1137 x 377 x 299		1137 x 377 x 299		1137 x 377 x 299			
Panel Size	Panel Model	Net Weight	-		-		-		-		-		-		
		Shipping Weight	-		-		-		-		-		-		
	Net Dimensions (WxHxD)	mm	-		-		-		-		-		-		
		Shipping Dimensions (WxHxD)	mm	-		-		-		-		-		-	
Additional Accessories	Drain Pump	Max. Lifting Height / Displacement	mm / liter/h		mm / liter/h		mm / liter/h		mm / liter/h		mm / liter/h		mm / liter/h		
		Air Filter	Long life filter		Long life filter		Long life filter		Long life filter		Long life filter		Long life filter		

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

Standard Accessories

- Individual Controllers

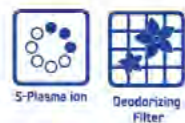


DVM Specification - Indoor Units



Vivace

- Shadow Mirror
- Hidden Display
- Trim-less Design



Model		AVXWVH022EE AVXWVH022EESTK	AVXWVH028EE AVXWVH028EESTK	AVXWVH036EE AVXWVH036EESTK	AVXWVH056EE AVXWVH056EESTK	AVXWVH071EE AVXWVH071EESTK
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50	1, 2, 220-240, 50
Mode		HP / HR	HP / HR	HP / HR	HP / HR	HP / HR
Capacity (Nominal)	Cooling	kW	2.2	2.8	3.6	5.6
		Btu/h	7,500	9,600	12,300	19,100
	Heating	kW	2.5	3.2	4.0	6.3
		Btu/h	8,500	10,900	13,600	21,500
Power (Nominal)	Cooling	W	30	30	35	50
			30	30	35	50
	Heating		0.13	0.18	0.19	0.30
			0.13	0.18	0.19	0.30
Fan	Motor	Type	Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR	Crossflow Fan / SSR
		Output	23	23	23	42
	Air Flow Rate	High / Mid / Low	CMM	7 / 6 / 5	7.5 / 6.5 / 5.5	8.2 / 7.2 / 6.2
Piping Connections	Liquid Pipe	Ø, mm	6.35	6.35	6.35	6.35
		Ø, inch	1/4	1/4	1/4	1/4
	Gas Pipe	Ø, mm	12.7	12.7	12.7	12.7
		Ø, inch	1/2	1/2	1/2	1/2
Drain Pipe	Ø, mm	VP18 (OD, ID)	VP18 (OD, ID)	VP18 (OD, ID)	VP18 (OD, ID)	VP18 (OD, ID)
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5	1.5 / 2.5
	Transmission Cable	mm ²	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5	0.75 / 1.5
Refrigerant	Type		R410a	R410a	R410a	R410a
	Control Method		EEV (External)	EEV (External)	EEV (External)	EEV (External)
Sound	Sound Pressure	High / Low	dB(A)	31 / 21	35 / 21	40 / 30
	Net Weight		kg	9	9	12
Dimensions	Shipping Weight		kg	12	12	15
	Net Dimensions (WxHxD)		mm	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189
	Shipping Dimensions (WxHxD)		mm	900 x 349 x 252	900 x 349 x 252	900 x 349 x 252
	Panel Model			-	-	-
Panel Size	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (WxHxD)		mm	-	-	-
	Shipping Dimensions (WxHxD)		mm	-	-	-
Additional Accessories	Drain Pump	Drain Pump		-	-	-
	Air Filter	Max. Lifting Height / Displacement	mm / liter/h	-	-	-
				Long life filter	Long life filter	Long life filter

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Optional Accessories

- Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

Standard Accessories

- Individual Controllers



DVM Specification - Indoor Units



Console

- Slim & Smart Design
- 2Way Air Outlet
- Silent Operation



Model		AVXTJH028EE AVXTJH028EESTK	AVXTJH036EE AVXTJH036EESTK	
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	
Mode		HP / HR	HP / HR	
Capacity (Nominal)	Cooling	kW	2.8	
		Btu/h	9,600	
	Heating	kW	3.2	
		Btu/h	10,900	
Power	Power Input (Nominal)	Cooling	30	
		Heating	30	
	Current Input (Nominal)	Cooling	0.25	
		Heating	0.25	
Fan	Motor	Type	Turbo Fan / BLDC	
	Output	W	37	
	Air Flow Rate	High / Mid / Low	CMM	7 / 6 / 5
	External Static Pressure	Min. / Std. / Max.	mmAq	-
Piping Connections	Liquid Pipe	Ø, mm	6.35	
		Ø, inch	1/4	
	Gas Pipe	Ø, mm	12.7	
		Ø, inch	1/2	
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5	
	Transmission Cable	mm ²	0.75 / 1.5	
Refrigerant	Type	-	R410a	
	Control Method	-	EEV	
Sound	Sound Pressure	High / Low	dBA	38 / 23
	Net Weight	kg	15	
Dimensions	Shipping Weight	kg	20	
	Net Dimensions (WxHxD)	mm	720 x 620 x 199	
	Shipping Dimensions (WxHxD)	mm	810 x 710 x 295	
	Panel Model	-	-	
Panel Size	Panel Net Weight	kg	-	
	Shipping Weight	kg	-	
	Net Dimensions (WxHxD)	mm	-	
	Shipping Dimensions (WxHxD)	mm	-	
Additional Accessories	Drain Pump	Drain Pump	-	
	Max. Lifting Height / Displacement	mm / liter/h	-	
Air Filter	-	Long life filter	Long life filter	

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Optional Accessories

- Individual Controllers



Standard Accessories

- Wireless Remote Controller



Ceiling

- 2Way Installation
- Compact but Powerful



Model		AVXTFH056EE AVXTFH056EESTK	AVXTFH071EE AVXTFH071EESTK	
Power Supply	Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	
Mode		HP / HR	HP / HR	
Capacity (Nominal)	Cooling	kW	5.6	
		Btu/h	19,100	
	Heating	kW	6.3	
		Btu/h	21,500	
Power	Power Input (Nominal)	Cooling	72	
		Heating	72	
	Current Input (Nominal)	Cooling	0.33	
		Heating	0.33	
Fan	Motor	Type	Sirocco Fan / AC	
	Output	W	47	
	Air Flow Rate	High / Mid / Low	CMM	14 / 13 / 12
	External Static Pressure	Min. / Std. / Max.	mmAq	-
Piping Connections	Liquid Pipe	Ø, mm	6.35	
		Ø, inch	1/4	
	Gas Pipe	Ø, mm	12.7	
		Ø, inch	1/2	
Field Wiring	Power Source Wire	mm ²	1.5 / 2.5	
	Transmission Cable	mm ²	0.75 / 1.5	
Refrigerant	Type	-	R410a	
	Control Method	-	EEV (External)	
Sound	Sound Pressure	High / Low	dBA	38 / 32
	Net Weight	kg	22	
Dimensions	Shipping Weight	kg	26	
	Net Dimensions (WxHxD)	mm	1000 x 650 x 200	
	Shipping Dimensions (WxHxD)	mm	1074 x 726 x 294	
	Panel Model	-	-	
Panel Size	Panel Net Weight	kg	-	
	Shipping Weight	kg	-	
	Net Dimensions (WxHxD)	mm	-	
	Shipping Dimensions (WxHxD)	mm	-	
Additional Accessories	Drain Pump	Drain Pump	-	
	Max. Lifting Height / Displacement	mm / liter/h	-	
Air Filter	-	Long life filter	Long life filter	

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Optional Accessories

- Individual Controllers



Standard Accessories

- Wireless Remote Controller



DVM Specification - ERV



ERV PLUS

- Damper
 - Humidifier element (Optional)
 - Dust Filter
 - Control Box
 - CO₂ Sensor (Optional)
 - Energy Saving Operation (Auto Mode)
 - Slim Design
- Direct Expansion (DX) Coil
 - Supply/Exhaust Fan
 - Heat Exchanger Element
 - Temperature Sensor
 - BLDC Fan Motor
 - New Diamond Type Element
 - Silent Operation

Model			RHF050KHEA	RHF100KHEA	
Power Supply		Ø, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50	
Performance	Temperature Exchange Efficiency	Cooling	70.0	70.0	
		Heating	75.0	75.0	
	Effective Enthalpy Exchange Efficiency	Cooling	60.0	62.0	
		Heating	73.0	75.0	
	Outside Air Processing Capacity (DX + Element)	Cooling (Element)	kW	5.1 (1.5)	10.5 (3.4)
		Heating (Element)	kW	6.5 (2.5)	13.2 (5.2)
Fan	Air Flow Rate	CMH	500.0	1000.0	
		CFM	294	589	
	External Pressure	mmAq	160.0	150.0	
		Pa	-	-	
	Motor	Type	-	BLDC	
Power	Power Input	High	220	510	
		Mid	-	-	
		Low	-	-	
	Current Input	High	1.70	3.70	
Mid		-	-		
Piping Connections	Liquid Pipe	Ø, mm	6.4	6.4	
		Ø, inch	1/4	1/4	
	Gas Pipe	Ø, mm	12.7	12.7	
		Ø, inch	1/2	1/2	
	Drain Pipe	Ø, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
		Ø, inch	VP25 (OD 1-1/4", ID 1")	VP25 (OD 1-1/4", ID 1")	
	Water Supply	Ø, mm	-	-	
		Ø, inch	1/2 inch	1/2 inch	
	Field Wiring	Power Source Wire	mm ²	CV 1.5 / CV 2.5	CV 1.5 / CV 2.5
		Transmission Cable	mm ²	VCTF 0.75 / VCTF 1.5	VCTF 0.75 / VCTF 1.5
Refrigerant	Type	-	R410a	R410a	
	Control Method	-	EEV	EEV	
Sound	Sound Pressure	High / Low	dB(A)	38.5	40.5
Dimensions	Net Weight	kg	61.0	90.0	
	Shipping Weight	kg	75.2	107.5	
	Net Dimensions (WxHxD)	mm	1553 x 270 x 1000	1763 x 340 x 1135	
	Shipping Dimensions (WxHxD)	mm	1847 x 349 x 1300	2027 x 428 x 1424	
	Supply/Return/Exhaust/Outside Duct Flange (Ø)	mm	200	250	
Accessories	Air Filter	-	High Efficiency Filter (PP)	High Efficiency Filter (PP)	
Optional Accessories	Type	-	Natural Evaporating Type	Natural Evaporating Type	
	Qty	EA	1	1	
	Humidifier	Amount	kg/h	2.7	5.4
		Pressure Feed Water	MPa	0.02-0.49	0.02-0.49
	SPI	-	MSD-EAN1	MSD-EAN1	
	CO ₂	-	MOS-C1	MOS-C1	
	Humidity Sensor	-	Option	Option	
Ambient Condition	Around Unit	-	0 ~ 40°C DB, 80% RH or Less	0 ~ 40°C DB, 80% RH or Less	
	OA	-	-15 ~ 40°C DB, 80% RH or Less	-15 ~ 40°C DB, 80% RH or Less	
	RA	-	0 ~ 40°C DB, 80% RH or Less	0 ~ 40°C DB, 80% RH or Less	






























ERV

- Damper
 - Dust Filter
 - Control Box
 - CO₂ Sensor (Optional)
 - Energy Saving Operation (Auto Mode)
 - Slim Design
- Supply/Exhaust Fan
 - Heat Exchanger Element
 - Temperature Sensor
 - BLDC Fan Motor
 - New Diamond Type Element
 - Silent Operation

Model			RHF025EE	RHF035EE	RHF050EE	RHF080EE	RHF100EE
Voltage	V		220-240	220-240	220-240	220-240	220-240
Frequency	Hz		50/60	50/60	50/60	50/60	50/60
Air Volume	CMH		250	350	500	800	1,000
External Static Pressure	Pa		110	155	165	155	155
Leakage Rate	%		10	10	10	10	10
Power Input	W		115	115	175	330	450
Current	A		0.7	0.7	1.1	2.1	2.9
Temperature Exchange Efficiency	Cooling	%	70	70	70	70	70
	Heating	%	70	70	70	70	70
Effective Enthalpy Exchange Efficiency	Cooling	%	50	50	50	50	50
	Heating	%	70	70	70	70	70
Sound Level (Turbo/Low)	dB(A)		27/22	31/24	32/25	33/29	37/32
Dust Collection Method	-		High efficiency filter(PP)	High efficiency filter(PP)	High efficiency filter(PP)	High efficiency filter(PP)	High efficiency filter(PP)
Net Dimensions(WxHxD)	mm		600x350x660	1,012x270x1,000	1,012x270x1,000	1,220x340x1,135	1,220x340x1,135
Gross Dimensions (WxHxD)	mm		760x400x807	1,299x337x1,183	1,299x337x1,183	1,299x337x1,183	1,299x337x1,183
Weight (Net/Gross)	kg		25.5/30	42.5/53.5	42.5/53.5	67/75.5	67/75.5
Duct Diameter	Ø, mm		150	200	200	250	250

Control system





CLASSIFICATION	PRODUCT	MODEL	IMAGE	APPLICATION MODEL		
Integrated Management System	Controller	DMS2		DVM SERIES, FJM, CAC, ERV, ERV PLUS		
		S-NET3		DVM SERIES, FJM, CAC, ERV, ERV PLUS		
		S-NET Mini		DVM SERIES, FJM, CAC, ERV, ERV PLUS		
Interface Module	PIM	MIM-B16		DVM SERIES, FJM, CAC		
Centralized Control System	Controller	Function Controller	MCM-A100		DVM SERIES, FJM, CAC	
		Centralized Controller	MCM-A202D		DVM SERIES, FJM, CAC, ERV, ERV PLUS	
		7 Day Scheduler	MWR-BS00		CENTRALIZED CONTROLLER	
		Operation Mode Selection Switch	MCM-C200		DVM SERIES (Except HR Models)	
	Interface Module	Centralized Control Interface Module	MIM-B13D		DVM SERIES, FJM, CAC, ERV, ERV PLUS	
		MIM-B13E		DVM SERIES, FJM, CAC, ERV		
Individual Control System	Controller	Wired Remote Controller	MWR-WE10		CASSETTE, WALL-MOUNTED, CEILING, DUCT, CONSOLE, ERV, ERV PLUS	
		Wired Remote Controller	MWR-WH00		CASSETTE, WALL-MOUNTED, CEILING, DUCT, CONSOLE	
		Simplified Wired Remote Controller	MWR-SH00		CASSETTE, WALL-MOUNTED, CEILING, DUCT, CONSOLE	
		Wired Remote Controller	MWR-SC00T			
		ERV Wired Remote Controller	MWR-VH02		ERV	
		Wireless Remote Controller	MR-DH00		CASSETTE, WALL-MOUNTED, CEILING, DUCT(Receiver Needed), CONSOLE	
		ERV CO ₂ Sensor	MOS-C1		ERV, ERV PLUS	
		Wireless Signal Receiver	MRK-A00		DUCT(For Wireless Remote Controller)	
		Wireless Signal Receiver Wire	MRW-10A		DUCT(For Wireless Remote Controller)	
		RAC Extension Board	MIM-A00		FJM (For Connecting Wired Remote Controller and External Contact Interface Module)	
		External Room Sensor	MRW-TA		CASSETTE, WALL-MOUNTED, CEILING, DUCT, CONSOLE	
		Building Management System	LonWorks Interface Module	MIM-B07		DVM SERIES, FJM
			LonWorks Gateway	MIM-B18		DVM SERIES, FJM, CAC, ERV
			BACnet Gateway	MIM-B17		DVM SERIES, FJM, CAC, ERV
Guest Room Management System	KEY-TAG Interface Module	MIM-B02		DVM SERIES, FJM		
	External Contact Interface Module	MIM-B14		DVM SERIES, FJM, CAC		
Converter	Converter Unit	MIM-C02		DVM SERIES, FJM, CAC		

*DVM SERIES: MINI DVM, DVM PLUS III, DVM PLUS III HR, DVM PLUS IV, DVM PLUS IV HR

Accessories

Classification	Image	Model	Description	Relevant Unit	Remark
Y- joint		MXJ-YA1509K	15kW and below	DVM PLUS III, DVM PLUS III HR, DVM PLUS IV, DVM PLUS IV HR	Requisite
		MXJ-YA2512K	Over 15.0 ~ 40.6kW and below		
		MXJ-YA2812K	Over 40.6 ~ 46.4 kW and below		
		MXJ-YA2815K	Over 46.4 ~ 69.6 kW and below		
		MXJ-YA3119K	Over 69.6 ~ 98.6 kW and below		
		MXJ-YA3819K	Over 98.6 ~ 139.2 kW and below		
Y-joint (High Pressure Gas) for DVM PLUS III HR module		MXJ-YA1500K	23.2 kW and below	DVM Plus III HR, DVM PLUS IV HR	Requisite
		MXJ-YA2500K	Over 23.2 ~ 69.6 kW and below		
		MXJ-YA3100K	Over 69.6 ~ 139.2 kW and below		
		MXJ-YA3800K	Over 139.2 kW		
Outdoor Joint (Outdoor Connection)		MXJ-T3819K	Below 48 HP	DVM PLUS III, DVM PLUS III HR (Module) DVM PLUS IV, DVM PLUS IV HR (Module)	Requisite
		MXJ-T4422K	Over 50 HP		
Outdoor Joint (High Pressure Gas) for DVM PLUS III HR Module		MXJ-T3100K	Below 48 HP	DVM PLUS III HR (Module) DVM PLUS IV HR (Module)	
		MXJ-T3800K	Over 50 HP		
Header Joint		MXJ-HA3819K	Below 46.4 kW	DVM PLUS III, DVM PLUS III HR, DVM PLUS IV, DVM PLUS IV HR	Option
		MXJ-HA3115K	Below 69.6 kW		
		MXJ-HA2512K	Over 69.7 kW		
MCU Kits		MCU-4EAE3	Below 4 indoor units	DVM PLUS III HR DVM PLUS IV HR	Requisite
		MCU-6EAE3	Below 6 indoor units		
EEV Kits		MXD-A13K116E	Below 3.6 kW (1 Room) + 5.6 kW ~ 9.0 kW (1Room)	Wall-mounted & Ceiling indoor unit (For 2 indoor units)	Option
		MXD-A13K200E	Below 3.6 kW (2 Rooms)		
		MXD-A16K200E	5.6 kW~9.0 kW (2Rooms)		
		MXD-A22K200E	Over 9.0 kW (2Rooms)		
		MXD-A13K216E	Below 3.6 kW (2 Rooms) + 5.6 kW ~ 9.0 kW (1Room)	Wall-mounted & Ceiling indoor unit (For 3 indoor units)	Option
		MXD-A13K300E	Below 3.6 kW (3 Rooms)		
		MXD-A16K213E	Below 3.6 kW (1 Room) + 5.6 kW ~ 9.0 kW (2Rooms)		
		MXD-A16K300E	5.6 kW ~ 9.0 kW (3Rooms)		
		MEV-A13SA	Below 3.6 kW (1 Room)	Wall-mounted & Ceiling indoor unit (For single unit)	Option
		MEV-A16SA	5.6 kW ~ 9.0 kW (1Room)		

Accessories

Classification	Image	Model	Description	Relevant Unit	Remark
Drain Pump		MDP-E075SEE3	Slim Duct (2.0 ~ 14.0 kW)	-	
		MDP-M075SGU1	M.S.P Duct (9.0/11.2 kW)	-	Option
		MDP-M075SGU2	M.S.P Duct (12.8/14.0 kW)	-	
		MDP-M075SGU3	M.S.P Duct (5.6/7.1 kW)	-	
AHU Kits		MXD-A16K1X025A	7.0 ~ 8.75 kW AHU	-	
		MXD-A22K1X050A	14.0 ~ 17.5 kW AHU	-	
		MXD-A22K2X075A	21.0 ~ 26.25 kW AHU	-	
		MXD-A22K2X100A	28.0 ~ 35.0 kW AHU	-	
Humidifier		MVO-VA050100	RHF050KHEA	-	
		MVO-VA100100	RHF100KHEA	-	
Front Panel		PC4NUSKA	4Way Cassette S - Waffle	Not compatible with conventional 4Way Cassette	Requisite
		PC4NUSKE	4Way Cassette S - Classic	-	
		P4SMA	4Way Cassette	Not compatible with 4Way Cassette S	Requisite
		PMSMA	Mini 4Way Cassette	-	
		PSSMA	Slim 1Way Cassette	-	Requisite
		P2SMA	2Way Cassette	-	

Notes
 *1) MCU-4EAEV2/3 is the product that includes built in EEV to connect the indoor unit (wall-mounted type and ceiling type) that does not include EEV.

Memo

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