



DVM System

CAC System

ERV System

FJM System

AHU System

Control System

os.com

DVM System

SINGLE System

ERV System

FJM System

AHU System

Control System

DVMS LINE UP _Outdoor Unit



DVM S HP (208~230V)				SINGLE										MODULE											
IMAGE	MODEL	CAPACITY	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
		HP	Ton	6.5	8	10	11.5	13	15	16.5	18	20	21.5	23	25	26.5	28	30	31.5	33	35	36.5	38	40	41.5
	AM080XVAFH/AZ	8	6.5	1																					
	AM100XVAFH/AZ	10	8		1						1										1				
	AM120XVAFH/AZ	12	10			1					1	2	1	1	1	1					1	2	1	1	1
	AM140XVAFH/AZ	14	11.5				1						1				1						1		
	AM160XVAFH/AZ	16	13					1						1			1							1	
	AM180XVAFH/AZ	18	15						1						1			1			1				1
	AM200XVAFH/AZ	20	16.5							1						1	1	1	1	1	2	1	1	1	1

DVM S HP (208~230V)				MODULE										MODULE					
IMAGE	MODEL	CAPACITY	HP	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	
		HP	Ton	43	44.5	46.5	48	49.5	51.5	53	54.5	56	58	59.5	61	63	64.5	66	
	AM080XVAFH/AZ	8	6.5																
	AM100XVAFH/AZ	10	8						1										
	AM120XVAFH/AZ	12	10	1					1	2	1	1	1	1					
	AM140XVAFH/AZ	14	11.5		1						1				1				
	AM160XVAFH/AZ	16	13			1						1				1			
	AM180XVAFH/AZ	18	15				1						1				1		
	AM200XVAFH/AZ	20	16.5	2	2	2	2	3	2	2	2	2	2	3	3	3	3	4	

* If you wish to install outdoor unit module with capacity over 62 HP please contact local Samsung Dealer.

DVM S HP (208~230V) AHRI CERTIFIED				SINGLE										MODULE											
IMAGE	MODEL	CAPACITY	HP	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45	47.5	50	52.5	55		
		HP	Ton	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44		
	AM072FXVAFH/AA	7.5	6	1						1	1	1												1	
	AM096FXVAFH/AA	10	8		1																				
	AM120FXVAFH/AA	12.5	10			1																			1
	AM144FXVAFH/AA	15	12				1			1			2	1				1	3					1	
	AM168HXVAFH/AA	17.5	14					1			1			1	2	1				2	2	3		2	
	AM192HXVAFH/AA	20	16						1					1			2	1						1	

DVM S HR (208~230V) AHRI CERTIFIED				SINGLE										MODULE											
IMAGE	MODEL	CAPACITY	HP	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45	47.5	50	52.5	55		
		HP	Ton	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44		
	AM072FXVAFR/AA	7.5	6	1						1	1	1												1	
	AM096FXVAFR/AA	10	8		1																				
	AM120FXVAFR/AA	12.5	10			1																			1
	AM144FXVAFR/AA	15	12				1			1			2	1				1	3					1	
	AM168HXVAFR/AA	17.5	14					1			1			1	2	1				2	2	3		2	
	AM192HXVAFR/AA	20	16						1					1			2	1						1	

* If you wish to install outdoor unit module with capacity over 62 HP please contact local Samsung Dealer.

DVMS LINE UP _Outdoor Unit





DVM S HP (460V)				SINGLE											MODULE										
IMAGE	MODEL	CAPACITY	HP	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
		HP	Ton	6.5	8	10	11.5	13	15	16.5	18	20	21.5	23	25	26.5	28	30	31.5	33	35	36.5	38	40	41.5
	AM080XVAJH/AZ	8	6.5	1																					
	AM100XVAJH/AZ	10	8		1																				
	AM120XVAJH/AZ	12	10			1							2	1	1	1	1	1					2	1	1
	AM140XVAJH/AZ	14	11.5				1							1				1						1	
	AM160XVAJH/AZ	16	13					1						1					1						1
	AM180XVAJH/AZ	18	15						1						1										
	AM200XVAJH/AZ	20	16.5								1					1				2	1				
	AM220XVAJH/AZ	22	18									1						1	1	1	1	2	1	1	1

DVM S HP (460V)				MODULE											MODULE					
IMAGE	MODEL	CAPACITY	HP	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80		
		HP	Ton	43	44.5	46.5	48	49.5	51.5	53	54.5	56	58	59.5	61	63	64.5	66		
	AM080XVAJH/AZ	8	6.5																	
	AM100XVAJH/AZ	10	8																	
	AM120XVAJH/AZ	12	10	1	1	1							2	1	1	1	1	1		
	AM140XVAJH/AZ	14	11.5				1							1				1		
	AM160XVAJH/AZ	16	13					1						1						
	AM180XVAJH/AZ	18	15	1											1					
	AM200XVAJH/AZ	20	16.5		1				2	1						1				
	AM220XVAJH/AZ	22	18	1	1	2	2	2	1	2	3			2	2	2	2	2	3	3

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DVM S HP (460V) AHRI CERTIFIED				SINGLE																	MODULE																
IMAGE	MODEL	CAPACITY	HP	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45	47.5	50	52.5	55														
		HP	Ton	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44														
	AM072FXVAJH/AA	7.5	6	1							1	1	1							1																	
	AM096FXVAJH/AA	10	8		1																																
	AM120FXVAJH/AA	12.5	10			1																		1													
	AM144FXVAJH/AA	15	12				1			1			2	1				1	3		1																
	AM168HXVAJH/AA	17.5	14					1			1			1	2	1				2	2	3	2														
	AM192HXVAJH/AA	20	16						1			1			1	2	1							1													

DVM S HR (460V) AHRI CERTIFIED				SINGLE																	MODULE																
IMAGE	MODEL	CAPACITY	HP	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45	47.5	50	52.5	55														
		HP	Ton	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44														
	AM072FXVAJR/AA	7.5	6	1							1	1	1							1																	
	AM096FXVAJR/AA	10	8		1																																
	AM120FXVAJR/AA	12.5	10			1																		1													
	AM144FXVAJR/AA	15	12				1			1			2	1				1	3		1																
	AM168HXVAJR/AA	17.5	14					1			1			1	2	1				2	2	3	2														
	AM192HXVAJR/AA	20	16						1			1			1	2	1							1													

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DVM S HP (380V)				SINGLE												MODULE											
IMAGE	MODEL	CAPACITY HP	HP Ton	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50		
				6.5	8	10	11.5	13	15	16.5	18	20	21.5	23	25	26.5	28	30	31.5	33	35	36.5	38	40	41.5		
	AM080FXVAHH/TC	8	6.5	1																							
	AM100FXVAHH/TC	10	8		1																						
	AM120FXVAHH/TC	12	10			1									1	1	1	1					2	1	1		
	AM140FXVAHH/TC	14	11.5				1											1						1			
	AM160FXVAHH/TC	16	13					1							1					1					1		
	AM180FXVAHH/TC	18	15							1						1											
	AM200FXVAHH/TC	20	16.5								1						1						1				
	AM220FXVAHH/TC	22	18									1						1	1	1	1	1	1	2	1	1	1
	AM240HXVAHH/TC	24	20											1													
	AM260HXVAHH/TC	26	21.5												1									1			



DVM S HP (380V)				MODULE										MODULE										
IMAGE	MODEL	CAPACITY HP	HP Ton	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80						
				43	44.5	46.5	48	49.5	51.5	53	54.5	56	58	59.5	61	63	64.5	66						
	AM080FXVAHH/TC	8	6.5																					
	AM100FXVAHH/TC	10	8																					
	AM120FXVAHH/TC	12	10	1	1	1							2	1	1	1	1	1						
	AM140FXVAHH/TC	14	11.5					1						1				1						
	AM160FXVAHH/TC	16	13						1						1									
	AM180FXVAHH/TC	18	15	1						1						1								
	AM200FXVAHH/TC	20	16.5			1					1						1							
	AM220FXVAHH/TC	22	18	1	1	2	2	2	2	2	2	3			2	2	2	2	2	2	3	3		
	AM240HXVAHH/TC	24	20																					
	AM260HXVAHH/TC	26	21.5																					

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DVMS LINE UP _Outdoor Unit

60Hz



DVM S WATER (208~230V) AHRI CERTIFIED

IMAGE	MODEL	CAPACITY		7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45	47.5	50	52.5	60
		HP	Ton	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	48
	AM072HXWAFR/AA	7.5	6	1			2	1				1			2	1				1			
	AM096HXWAFR/AA	10	8		1			1		1			1			1		1				1	
	AM120HXWAFR/AA	12.5	10			1				1	2			1			1	2				1	
	AM192HXWAFR/AA	20	16						1			1	1	1	1	1	2	1	1	2	2	2	3


DVM S WATER (460V) AHRI CERTIFIED

IMAGE	MODEL	CAPACITY		7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45	47.5	50	52.5	60
		HP	Ton	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	48
	AM072HXWJR/AA	7.5	6	1			2	1				1			2	1				1			
	AM096HXWJR/AA	10	8		1			1		1			1			1		1				1	
	AM120HXWJR/AA	12.5	10			1				1	2			1			1	2				1	
	AM192HXWJR/AA	20	16						1			1	1	1	1	1	2	1	1	2	2	2	3


DVM S WATER (380~415V)

IMAGE	MODEL	CAPACITY		8	10	12	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	48	50	52	60
		HP	Ton	6.5	8	10	13	15	16.5	18	20	21.5	23	25	26.5	28	30	31.5	33	35	36.5	40	41.5	43	49.5
	AM080FXWANR/EU	8	6.5	1			2	1				2	1				2	1				1			
	AM100FXWANR/EU	10	8		1			1		1		1		1		1		1		1			1		
	AM120FXWANR/EU	12	10			1				1	2				1	2				1	2			1	
	AM200FXWANR/EU	20	16.5						1					1	1	1		1	2	1	1	2	2	2	3

DVM S ECO

IMAGE	MODE	VOLTAGE	MODEL	CAPACITY	
				HP	Ton
	C/O	220	AM040HXMDBC/TC	4	3
			AM050HXMDBC/TC	5	4
			AM060HXMDBC/TC	6	5
	H/P	208 - 230	AM080FXMDGC/EA	8	6.5
			AM036FXMDCH/AA	4	3
			AM048FXMDCH/AA	5	4
			AM053FXMDCH/AA	6	5

DVM S ECO

IMAGE	MODE	VOLTAGE	MODEL	CAPACITY	
				HP	Ton
	H/P	208 - 230	AM080KXMDFH/TC	8	6.5
			AM100KXMDFH/TC	10	8
			AM120KXMDFH/TC	12	10
	H/P	380	AM100KXMDHH/TC	10	8
			AM120KXMDHH/TC	12	10
			AM140KXMDHH/TC	14	11.5

DVMS LINE UP & FEATURE _Indoor Unit



CASSETTE							
MODEL							
CAPACITY (kW)	kW	KBtu/h	1Way	2Way	4Way CST (600x600)	4Way CST	360Cassette
	2.2	7.5	●				
	2.6	9	●				●
	2.8	9.5	●		●		
	3.5	12	●		●		●
	5.3	18	●	●	●	●	●
	5.6	19.1	●		●		●
	5.9	20	●		●		●
	7	24	●	●	●	●	●
	8.8	30	●		●	●	●
10.6	36	●		●	●	●	
14.1	48	●		●	●	●	
FEATURES	Powerful Airflow		●		●	●	●
	Ceiling Dust Prevention		●		●	●	●
	Fresh Air Intake				●	●	●
	High Lift-up Drain Pump		●	●	●	●	●
	Sub Duct				●	●	●

DUCT						
MODEL						
CAPACITY	kW	KBtu/h	LSP	MSP	HSP	HSP (Big Duct)
	2.2	7.5	●			
	2.8	9.5	●			
	3.5	12	●			
	5.3	18	●	●		
	7	24	●	●		
	8.8	30	●	●		
	10.6	36	●	●	●	
	14.1	48	●	●	●	
	18	61.4				●
22.5	76.8			●	●	
28.1	95.5			●	●	
FEATURES	Pre Filter		●	●		●
	Easy Filter Cleaning		●	●		●
	High Lift-up Drain Pump (Optional)		●	●	●	●
	Smart Pressure Control		●	●	●	●

WALL-MOUNTED						
MODEL						
CAPACITY	kW	KBtu/h	Neo Forte	Neo Forte-E	A3050	A3050-E
	1.5	5.1	●	●	●	●
	2.2	7.5	●	●	●	●
	2.8	9.6	●	●	●	●
	3.5 / 3.6	12.0 / 12.3			●	●
	4.5	15.4			●	●
	5.3	18	●	●		●
	5.6	19.1			●	●
	5.9	20	●	●		●
	6.8	23.2	●	●		●
7.1	24.2			●	●	
8.2	28			●	●	
FEATURES	Deodorizing Filter		●	●	●	●
	Good Sleep		●	●	●	●

CONSOLE & CEILING				
MODEL				
CAPACITY	kW	KBtu/h	Ceiling	Big Ceiling
	5.2	18	●	●
	7.2	24	●	●
	11.2	38.2	●	●
14	47.8	●	●	
FEATURES	Virus Doctor		●	●
	Interior Design		●	●
	Anti-virus Filter		●	●
	Lightweight Unit		●	●
	Flexible Pipe Installation		●	●

OAP DUCT			
MODEL			
CAPACITY	kW	KBtu/h	OAP DUCT
	14	47.8	●
	22.4	76.4	●
	28	95.5	●

HYDRO UNIT			
MODEL			
CAPACITY (Heating)	kW	KBtu/h	HE
	16	54.6	●
	31	105.8	●
	50.4	172	●

PAC			
MODEL			
CAPACITY	kW	KBtu/h	
	14.1	47.8	●
	28.1	95.6	●

DVMS SPECIFICATION _Outdoor Unit



DVMS

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP (208~230V)

Model Code		AM080JXVAFH/AZ	AM100JXVAFH/AZ	AM120JXVAFH/AZ	AM140JXVAFH/AZ	AM160JXVAFH/AZ	AM180JXVAFH/AZ	AM200JXVAFH/AZ	
Power Supply	Φ, #, V, Hz	3.3.208-230.60	3.3.208-230.60	3.3.208-230.60	3.3.208-230.60	3.3.208-230.60	3.3.208-230.60	3.3.208-230.60	
Mode		HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	8	8	12	14	16	18	20.00	
	Ton	6.5	8	10	11.5	13	15	16.5	
	Cooling	kW	22.4	28	33.6	40	45	50.4	56.00
		Btu/h	76,400	95,500	114,600	136,500	153,500	172,000	191,100
Capacity (Nominal)	Heating	kW	25.2	31.5	37.8	45	50.4	56.7	63.00
		Btu/h	86,000	107,500	129,000	153,500	172,000	193,500	215,000
Power	Cooling ¹⁾	kW	4.35	5.5	7.22	8.47	10.64	11.45	12.70
		kW	4.44	5.33	7.4	9.18	10.3	10.4	12.70
	Current Input (Nominal)	Cooling ¹⁾	12.7	16	21.1	24.7	31	31.1	33.40
		Heating ²⁾	12.9	15.5	21.6	26.8	30.3	30.3	37.00
MCA		35.00 (MCA)	43.00 (MCA)	44.00 (MCA)	55.00 (MCA)	62.00 (MCA)	73.00 (MCA)	80.00 (MCA)	
	MFA	40	50	50	75	75	75	90.00	
COP	Nominal Cooling ¹⁾	5.15	5.09	4.65	4.72	4.23	4.73	4.89	
	Nominal Heating ²⁾	5.68	5.91	5.11	4.9	4.89	5.45	4.96	
Compressor	Type	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	
	Output	-4.96	-	-	(4.96x2)	(4.96x2)	-	-	
Oil	Model Name	DS-GB052FBVASG x 1	DS4GJ5066EVASG x 1	DS4GJ5066EVASG x 1	DS-GB052FBVASG x 2	DS-GB052FBVASG x 2	DS4GJ5066EVASG x 2	DS4GJ5066EVASG x 2	
	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge	1100	2800	2800	2200	2200	5600	5600	
	Type	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
Air Flow Rate	Output x n	830.0 x 1	830.0 x 1	830.0 x 1	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	
	CMM	170	170	220	255	255	260	265	
External Static Pressure	Max.	2,833.33	2,833.33	3,666.67	4,250.00	4,250.00	4,333.33	4,416.67	
	mmAq	8	8	8	8	8	8	8.00	
Piping Connections	Pa	78.45	78.45	78.45	78.45	78.45	78.45	78.45	
	Φ, mm	9.52	9.52	12.7	12.7	12.7	15.88	15.88	
Liquid Pipe	Φ, inch	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	5/8"	
	Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	28.58	
Gas Pipe	Φ, inch	3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	
	Φ, mm	-	-	-	-	-	-	-	
Discharge Gas Pipe	Φ, inch	-	-	-	-	-	-	-	
	Φ, mm	-	-	-	-	-	-	-	
Oil Equalizing Pipe	Φ, inch	-	-	-	-	-	-	-	
	Φ, mm	-	-	-	-	-	-	-	
Installation Limitation	Max. Length	200	200	200	200	200	200	200	
	Max. Height	110	110	110	110	110	110	110.0	
Field Wiring	Power Source Wire	-	-	-	-	-	-	-	
	Transmission Cable	-	-	-	-	-	-	-	
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	5.5	5.5	6.5	7.7	7.7	8.4	8.40	
Sound ³⁾	Sound Pressure	57	58	62	61	63	64	65.0	
	Sound Power	77	79	81	81	83	86	87.0	
External Dimension	Net Weight	190	193	204	292	292	300	300.0	
	Shipping Weight	206	209	220	311	311	319	319.0	
Shipping Dimensions (WxHxD)	Net Dimensions (WxHxD)	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	
	Shipping Dimensions (WxHxD)	948 x 1,887 x 832	948 x 1,887 x 832	948 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	
Operating Temp. Range	Cooling	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
 * If you wish to install an outdoor unit module with a capacity of over 62 HP, then please contact your local Samsung Dealer.
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

DVMS SPECIFICATION _Outdoor Unit



DVMS

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP (208~230V)			AM220JXVAFH/AZ	AM240JXVAFH/AZ	AM260JXVAFH/AZ	AM280JXVAFH/AZ	AM300JXVAFH/AZ	AM320JXVAFH/AZ	
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		22.00	24.00	26.00	28.00	30.00	32.00	
	Ton		18	20	21.5	23	25	26.5	
	Capacity (Nominal)	Cooling	kW	61.60	67.20	73.60	78.60	84.00	89.60
		Heating	kW	69.30	75.60	82.80	88.20	94.50	100.80
Power	Power Input (Nominal)	Cooling ¹⁾	Btu/h	210,200	229,300	251,100	268,200	286,600	305,700
		Heating ²⁾	Btu/h	236,500	258,000	282,500	301,000	322,400	343,900
	Current Input (Nominal)	Cooling ¹⁾	kW	12.72	14.44	15.69	17.86	18.67	20.10
		Heating ²⁾	kW	12.73	14.80	16.58	17.70	17.80	20.10
	MCA	Cooling ¹⁾	A	37.10	42.20	45.80	52.10	52.20	54.50
		Heating ²⁾	A	37.10	43.20	48.40	51.60	51.90	58.60
MFA	A		87.00 (MCA)	88.00 (MCA)	99.00 (MCA)	106.00 (MCA)	117.00 (MCA)	124.00 (MCA)	
COP	Nominal Cooling ¹⁾		-	4.65	4.69	4.40	4.70	4.80	
	Nominal Heating ²⁾		-	5.11	4.99	4.98	5.31	5.01	
Compressor	Type		SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	
	Output	kW x n	-	-	(4.96x2)	(4.96x2)	-	-	
Oil	Model Name		DS4GJ5066EVASG x 2	DS4GJ5066EVASG x 2	DS4GJ5066EVASG x 1 + DS-GB052FBVASG x 2	DS4GJ5066EVASG x 1 + DS-GB052FBVASG x 2	DS4GJ5066EVASG x 3	DS4GJ5066EVASG x 3	
	Type		PVE	PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge	cc	5600	5600	5000	5000	8400	8400	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
External Static Pressure	Output x n	W	(830.0 x 1) x 2	(830.0 x 1) x 2	830.0 x 1 + 620.0 x 2	830.0 x 1 + 620.0 x 2	830.0 x 1 + 620.0 x 2	830.0 x 1 + 620.0 x 2	
	Air Flow Rate	CMM	170 + 220	220 x 2	220 + 255	220 + 255	220 + 260	220 + 265	
Piping Connections	Max.	1/s	2,833.33 + 3,666.67	3,666.67 x 2	3,666.67 + 4,250.00	3,666.67 + 4,250.00	3,666.67 + 4,333.33	3,666.67 + 4,416.67	
		mmAq	8.00	8.00	8.00	8.00	8.00	8.00	
Liquid Pipe	Pa		78.45	78.45	78.45	78.45	78.45	78.45	
	Φ, mm		15.88	15.88	19.05	19.05	19.05	19.05	
Gas Pipe	Φ, inch		5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	
	Φ, mm		28.58	34.92	34.92	34.92	34.92	34.92	
Discharge Gas Pipe	Φ, inch		1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	
	Φ, mm		-	-	-	-	-	-	
Oil Equalizing Pipe	Φ, inch		-	-	-	-	-	-	
	Φ, mm		-	-	-	-	-	-	
Installation Limitation	Max. Length	m	200	200	200	200	200	200	
	Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	
Field Wiring	Power Source Wire	mm ²	-	-	-	-	-	-	
	Transmission Cable	mm ²	-	-	-	-	-	-	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	12.00	13.00	14.20	14.20	14.90	14.90	
Sound ³⁾	Sound Pressure	dB(A)	63.0	65.0	65.0	66.0	66.0	67.0	
	Sound Power	dB(A)	83.0	84.0	84.0	85.0	87.0	88.0	
External Dimension	Net Weight	kg	193.0 + 204.0	204.0 x 2	204.0 + 292.0	204.0 + 292.0	204.0 + 300.0	204.0 + 300.0	
	Shipping Weight	kg	209.0 + 220.0	220.0 x 2	220.0 + 311.0	220.0 + 311.0	220.0 + 319.0	220.0 + 319.0	
Operating Temp. Range	Net Dimensions (WxHxD)	mm	(880 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 2	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	
	Shipping Dimensions (WxHxD)	mm	(948 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 2	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	
Cooling	°C		-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
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DVMS HP (208~230V)			AM340JXVAFH/AZ	AM360JXVAFH/AZ	AM380JXVAFH/AZ	AM400JXVAFH/AZ	AM420JXVAFH/AZ	AM440JXVAFH/AZ	
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		34.00	36.00	40.00	42.00	44.00	44.00	
	Ton		28	30	31.5	33	35	36.5	
	Capacity (Nominal)	Cooling	kW	96.00	101.00	106.40	112.00	117.60	123.20
		Heating	kW	108.00	113.40	119.70	126.00	132.30	138.60
Power	Power Input (Nominal)	Cooling ¹⁾	Btu/h	327,600	344,600	363,100	382,200	401,300	420,400
		Heating ²⁾	Btu/h	368,500	386,900	408,400	429,900	451,400	472,900
	Current Input (Nominal)	Cooling ¹⁾	kW	19.92	22.09	22.11	22.90	24.17	25.89
		Heating ²⁾	kW	21.88	23.00	23.10	25.40	25.43	27.50
	MCA	Cooling ¹⁾	A	58.10	64.40	64.50	66.80	70.50	75.60
		Heating ²⁾	A	63.80	67.00	67.30	74.00	74.10	80.20
COP	Nominal Cooling ¹⁾		4.82	4.57	4.81	4.89	4.87	4.76	
	Nominal Heating ²⁾		4.94	4.93	5.18	4.96	5.20	5.04	
Compressor	Type		SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	
	Output	kW x n	(4.96x2)+	(4.96x2)+	-	-	-	-	
Fan	Model Name		DS-GB052FBVAVSG x 2 + DS4GJ5066EVAVSG x 2	DS-GB052FBVAVSG x 2 + DS4GJ5066EVAVSG x 2	DS4GJ5066EVAVSG x 4	DS4GJ5066EVAVSG x 4	DS4GJ5066EVAVSG x 4	DS4GJ5066EVAVSG x 4	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge	cc	7800	7800	11200	11200	11200	11200	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(830.0 x 1) x 2 + 620.0 x 2	(830.0 x 1) x 2 + 620.0 x 2	
	Air Flow Rate	CMM	255 + 265	255 + 265	260 + 265	265 x 2	170 + 220 + 265	220 x 2 + 265	
Piping Connections	External Static Pressure	Max. mmAq	8.00	8.00	8.00	8.00	8.00	8.00	
		Pa	78.45	78.45	78.45	78.45	78.45	78.45	
Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05	
		Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
	Gas Pipe	Φ, mm	34.92	41.28	41.28	41.28	41.28	41.28	
		Φ, inch	1 3/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	
Piping Connections	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
Field Wiring	Installation Limitation	Max. Length	200	200	200	200	200	200	
		Max. Height	110.0	110.0	110.0	110.0	110.0	110.0	
Refrigerant	Power Source Wire	mm ²	-	-	-	-	-	-	
	Transmission Cable	mm ²	-	-	-	-	-	-	
Sound ³⁾	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	16.10	16.10	16.80	16.80	20.40	21.40	
External Dimension	Sound Pressure	dB(A)	66.0	67.0	68.0	68.0	67.0	68.0	
	Sound Power	dB(A)	88.0	88.0	90.0	90.0	88.0	89.0	
External Dimension	Net Weight	kg	292.0 + 300.0	292.0 + 300.0	300.0 x 2	300.0 x 2	193.0 + 204.0 + 300.0	204.0 x 2 + 300.0	
	Shipping Weight	kg	311.0 + 319.0	311.0 + 319.0	319.0 x 2	319.0 x 2	209.0 + 220.0 + 319.0	220.0 x 2 + 319.0	
	Net Dimensions (WxHxD)	mm	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 2 + 1,295 x 1,695 x 765	(880 x 1,695 x 765) x 2 + 1,295 x 1,695 x 765	
Operating Temp. Range	Shipping Dimensions (WxHxD)	mm	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 2 + 1,363 x 1,887 x 832	(948 x 1,887 x 832) x 2 + 1,363 x 1,887 x 832	
	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
Operating Temp. Range	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

DVMS SPECIFICATION _Outdoor Unit



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DIGITAL VARIABLE MULTI

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- New Communication Protocol

DVM S HP (208~230V)			AM460JXVAFH/AZ	AM480JXVAFH/AZ	AM500JXVAFH/AZ	AM520JXVAFH/AZ	AM540JXVAFH/AZ	AM560JXVAFH/AZ	
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		46.00	48.00	50.00	52.00	54.00	56.00	
	Ton		38	40	41.5	43	44.5	46.5	
	Capacity (Nominal)	Cooling	kW	129.60	134.60	140.00	145.60	152.00	157.00
			Btu/h	442,200	459,300	477,700	496,800	518,600	535,700
Power	Power Input (Nominal)	Cooling ¹⁾	kW	145.80	151.20	157.50	163.80	171.00	176.40
			Btu/h	497,500	515,900	537,400	558,900	583,500	601,900
	Current Input (Nominal)	Cooling ¹⁾	A	27.14	29.31	29.33	30.12	31.37	33.54
		Heating ²⁾	kW	29.28	30.40	30.50	32.80	34.58	35.70
COP	MCA	Cooling ¹⁾	A	79.20	85.50	85.60	87.90	91.50	97.80
		Heating ²⁾	A	85.40	88.60	88.90	95.60	100.80	104.00
	Nominal Cooling ¹⁾			179.00 (MCA)	186.00 (MCA)	197.00 (MCA)	204.00 (MCA)	215.00 (MCA)	222.00 (MCA)
		Nominal Heating ²⁾		-	-	-	-	-	-
Compressor	Type		SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 6	
	Output	kW x n	(4.96x2)+	(4.96x2)+	-	-	(4.96x2)+	(4.96x2)+	
	Model Name		DS4GJ5066EVASG x 3 + DS-GB052FBVASG x 2	DS4GJ5066EVASG x 3 + DS-GB052FBVASG x 2	DS4GJ5066EVASG x 5	DS4GJ5066EVASG x 5	DS-GB052FBVASG x 2 + DS4GJ5066EVASG x 4	DS-GB052FBVASG x 2 + DS4GJ5066EVASG x 4	
	Oil	Type		PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge	cc	10600	10600	14000	14000	13400	13400	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	830.0 x 1 + (620.0 x 2) x 2	830.0 x 1 + (620.0 x 2) x 2	830.0 x 1 + (620.0 x 2) x 2	830.0 x 1 + (620.0 x 2) x 2	(620.0 x 2) x 3	(620.0 x 2) x 3	
	Air Flow Rate	CMM	220 + 255 + 265	220 + 255 + 265	220 + 260 + 265	220 + 265 x 2	255 + 265 x 2	255 + 265 x 2	
Piping Connections	External Static Pressure	Max.	mmAq	8.00	8.00	8.00	8.00	8.00	
			Pa	78.45	78.45	78.45	78.45	78.45	
	Liquid Pipe	Φ, mm		19.05	19.05	19.05	19.05	19.05	
		Φ, inch		3/4"	3/4"	3/4"	3/4"	3/4"	
Gas Pipe	Φ, mm		41.28	41.28	41.28	41.28	41.28		
	Φ, inch		1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"		
Field Wiring	Discharge Gas Pipe	Φ, mm		-	-	-	-	-	
		Φ, inch		-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm		-	-	-	-	-	
		Φ, inch		-	-	-	-	-	
Installation Limitation	Max. Length	m	200	200	200	200	200		
	Max. Height	m	110.0	110.0	110.0	110.0	110.0		
Refrigerant	Power Source Wire	mm ²	-	-	-	-	-	-	
	Transmission Cable	mm ²	-	-	-	-	-	-	
Sound ³⁾	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	22.60	22.60	23.30	23.30	24.50	24.50	
	Sound Pressure	dB(A)	68.0	68.0	69.0	69.0	69.0	69.0	
	Sound Power	dB(A)	89.0	89.0	90.0	91.0	91.0	91.0	
External Dimension	Net Weight	kg	204.0 + 292.0 + 300.0	204.0 + 292.0 + 300.0	204.0 + 300.0 x 2	204.0 + 300.0 x 2	292.0 + 300.0 x 2	292.0 + 300.0 x 2	
	Shipping Weight	kg	220.0 + 311.0 + 319.0	220.0 + 311.0 + 319.0	220.0 + 319.0 x 2	220.0 + 319.0 x 2	311.0 + 319.0 x 2	311.0 + 319.0 x 2	
	Net Dimensions (WxHxD)	mm	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	
	Shipping Dimensions (WxHxD)	mm	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
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DVM S HP (208~230V)			AM580JXVAFH/AZ	AM600JXVAFH/AZ	AM620JXVAFH/AZ	AM640JXVAFH/AZ	AM660JXVAFH/AZ	AM680JXVAFH/AZ	
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	58.00	60.00	62.00	64.00	66.00	68.00	
	Ton	Ton	48	49.5	51.5	53	54.5	56	
	Capacity (Nominal)	Cooling	kW	162.40	168.00	173.60	179.20	185.60	190.60
		Heating	kW	182.70	189.00	195.30	201.60	208.80	214.20
Power	Power Input (Nominal)	Cooling ¹⁾	Btu/h	554,100	573,200	592,300	611,500	633,300	650,400
		Heating ²⁾	Btu/h	623,400	644,900	666,400	687,900	712,500	730,900
	Current Input (Nominal)	Cooling ¹⁾	kW	33.56	34.35	35.62	37.34	38.59	40.76
		Heating ²⁾	kW	35.80	38.10	38.13	40.20	41.98	43.10
	MCA	Cooling ¹⁾	A	97.90	100.20	103.90	109.00	112.60	118.90
		Heating ²⁾	A	104.30	111.00	111.10	117.20	122.40	125.60
MFA	A		233.00 (MCA)	240.00 (MCA)	247.00 (MCA)	248.00 (MCA)	259.00 (MCA)	266.00 (MCA)	
COP	Nominal Cooling ¹⁾	-	4.84	4.89	4.87	4.80	4.81	4.68	
	Nominal Heating ²⁾	-	5.10	4.96	5.12	5.01	4.97	4.97	
Compressor	Type	-	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 7	SSC Scroll x 7	
	Output	kW x n	-	-	-	-	(4.96x2) +	(4.96x2) +	
	Model Name	-	DS4GJ5066EVASG x 6	DS4GJ5066EVASG x 6	DS4GJ5066EVASG x 6	DS4GJ5066EVASG x 6	DS4GJ5066EVASG x 5 + DS-GB052FBVASG x 2	DS4GJ5066EVASG x 5 + DS-GB052FBVASG x 2	
Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge	cc	16800	16800	16800	16800	16200	16200	
Fan	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	(620.0 x 2) x 3	(620.0 x 2) x 3	(830.0 x 1) x 2 + (620.0 x 2) x 2	(830.0 x 1) x 2 + (620.0 x 2) x 2	830.0 x 1 + (620.0 x 2) x 3	830.0 x 1 + (620.0 x 2) x 3	
	Air Flow Rate	CMH	260 + 265 x 2	265 x 3	170 + 220 + 265 x 2	170 + 220 + 265 x 2	220 + 255 + 265 x 2	220 + 255 + 265 x 2	
	External Static Pressure	Max. mmAq	4,333.33 + 4,416.67 x 2	4,416.67 x 3	2,833.33 + 3,666.67 + 4,416.67 x 2	2,833.33 + 3,666.67 + 4,416.67 x 2	3,666.67 x 2 + 4,250.00 + 4,416.67 x 2	3,666.67 + 4,250.00 + 4,416.67 x 2	
Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	22.22	22.22	22.22	22.22	
		Φ, inch	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	
	Gas Pipe	Φ, mm	41.28	41.28	53.98	53.98	53.98	53.98	
		Φ, inch	1 5/8"	1 5/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Installation Limitation	Max. Length	m	200	200	200	200	200	
		Max. Height	m	110.0	110.0	110.0	110.0	110.0	
Field Wiring	Power Source Wire	mm ²	-	-	-	-	-		
	Transmission Cable	mm ²	-	-	-	-	-		
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A		
	Factory Charging	kg	25.20	25.20	28.80	29.80	31.00		
Sound ³⁾	Sound Pressure	dB(A)	69.0	70.0	69.0	70.0	70.0		
	Sound Power	dB(A)	91.0	92.0	91.0	91.0	91.0		
	Net Weight	kg	300.0 x 3	300.0 x 3	193.0 + 204.0 + 300.0 x 2	204.0 x 2 + 300.0 x 2	204.0 + 292.0 + 300.0 x 2	204.0 + 292.0 + 300.0 x 2	
External Dimension	Shipping Weight	kg	319.0 x 3	319.0 x 3	209.0 + 220.0 + 319.0 x 2	220.0 x 2 + 319.0 x 2	220.0 + 311.0 + 319.0 x 2	220.0 + 311.0 + 319.0 x 2	
	Net Dimensions (WxHxD)	mm	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(880 x 1,695 x 765) x 2 + (1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 2 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	
	Shipping Dimensions (WxHxD)	mm	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(948 x 1,887 x 832) x 2 + (1,363 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 2 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0		
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0		

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 * If you wish to install an outdoor unit module with a capacity of over 62 HP, then please contact your local Samsung Dealer.
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

DVMS SPECIFICATION _Outdoor Unit



DVMS

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVM S HP (208~230V)			AM700JXVAFH/AZ	AM720JXVAFH/AZ	AM740JXVAFH/AZ	AM760JXVAFH/AZ	AM780JXVAFH/AZ	AM800JXVAFH/AZ	
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		70.00	72.00	74.00	76.00	78.00	80.00	
	Ton		58	59.5	61	63	64.5	66	
	Capacity (Nominal)	Cooling	kW	196.00	201.60	208.00	213.00	218.40	224.00
		Heating	kW	220.50	226.80	234.00	239.40	245.70	252.00
Power	Power Input (Nominal)	Cooling ¹⁾	Btu/h	668,800	687,900	709,700	726,800	745,200	764,300
		Heating ²⁾	Btu/h	752,400	773,900	798,400	816,900	838,400	859,900
	Current Input (Nominal)	Cooling ¹⁾	kW	40.78	41.57	42.82	44.99	45.01	45.80
		Heating ²⁾	kW	43.20	45.50	47.28	48.40	48.50	50.80
	MCA	Cooling ¹⁾	A	119.00	121.30	124.90	131.20	131.30	133.60
		Heating ²⁾	A	125.90	132.60	137.80	141.00	141.30	148.00
COP	Nominal Cooling ¹⁾		4.81	4.85	4.86	4.73	4.85	4.89	
	Nominal Heating ²⁾		5.10	4.98	4.95	4.95	5.07	4.96	
Compressor	Type		SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 8	SSC Scroll x 8	SSC Scroll x 8	SSC Scroll x 8	
	Output	kW x n	-	-	(4.96x2) +	(4.96x2) +	-	-	
Fan	Model Name		DS4GJ5066EVASG x 7	DS4GJ5066EVASG x 7	DS-GB052FBVASG x 2 + DS4GJ5066EVASG x 6	DS-GB052FBVASG x 2 + DS4GJ5066EVASG x 6	DS4GJ5066EVASG x 8	DS4GJ5066EVASG x 8	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge	cc	19600	19600	19000	19000	22400	22400	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	830.0 x 1 + (620.0 x 2) x 3	830.0 x 1 + (620.0 x 2) x 3	(620.0 x 2) x 4	(620.0 x 2) x 4	(620.0 x 2) x 4	(620.0 x 2) x 4	
	Air Flow Rate	CMM	220 + 260 + 265 x 2	220 + 265 x 3	255 + 265 x 3	255 + 265 x 3	260 + 265 x 3	265 x 4	
Piping Connections	External Static Pressure	Max.	mmAq	8.00	8.00	8.00	8.00	8.00	
		Pa	78.45	78.45	78.45	78.45	78.45	78.45	
Piping Connections	Liquid Pipe	Φ, mm	22.22	22.22	22.22	22.22	22.22	22.22	
		Φ, inch	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	
	Gas Pipe	Φ, mm	53.98	53.98	53.98	53.98	53.98	53.98	
		Φ, inch	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	
Field Wiring	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
Refrigerant	Installation Limitation	Max. Length	m	200	200	200	200	200	
	Max. Height	m	110.0	110.0	110.0	110.0	110.0	110.0	
Sound ³⁾	Power Source Wire	mm ²	-	-	-	-	-	-	
	Transmission Cable	mm ²	-	-	-	-	-	-	
External Dimension	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	31.70	31.70	32.90	32.90	33.60	33.60	
Operating Temp. Range	Sound Pressure	dB(A)	70.0	70.0	70.0	71.0	71.0	71.0	
	Sound Power	dB(A)	92.0	92.0	92.0	92.0	93.0	93.0	
External Dimension	Net Weight	kg	204.0 + 300.0 x 3	204.0 + 300.0 x 3	292.0 + 300.0 x 3	292.0 + 300.0 x 3	300.0 x 4	300.0 x 4	
	Shipping Weight	kg	220.0 + 319.0 x 3	220.0 + 319.0 x 3	311.0 + 319.0 x 3	311.0 + 319.0 x 3	319.0 x 4	319.0 x 4	
Operating Temp. Range	Net Dimensions (WxHxD)	mm	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	(1,295 x 1,695 x 765) x 4	
	Shipping Dimensions (WxHxD)	mm	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 4	(1,363 x 1,887 x 832) x 4	(1,363 x 1,887 x 832) x 4	(1,363 x 1,887 x 832) x 4	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 * If you wish to install an outdoor unit module with a capacity of over 6.2 HP, then please contact your local Samsung Dealer.
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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- New Communication Protocol



DVM S HP (208~230V)				AM072FXVAFH/AA	AM096FXVAFH/AA	AM120FXVAFH/AA	AM144FXVAFH/AA	AM168HXVAFH/AA	AM192HXVAFH/AA
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		7.5	10	12.5	15	17.5	20	
	Ton		6	8	10	12	14	16	
	Capacity (Nominal)	Cooling	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000
		Heating	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000
Capacity (Rated)	Cooling	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000	
	Heating	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	
Power	MCA	A	28	37.8	43	52.6	66	73	
	MOP	A	-	-	-	-	-	-	
	Type		SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	
Compressor	Model Name		DS-GB052FBVASG x 1	DS-GB052FBVASG x 2	DS-GB052FBVASG x 2	DS-GB052FBVASG x 2	DS-GB052FBVASG x 2	DS-4G5066EVASG x 2	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
Fan	Output x n	W	630.0 x 1	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	
	Air Flow Rate	CFM	7,239.78	9,182.16	9,182.16	9,535.32	10,947.96	10,947.96	
	External Static Pressure	Max	mmAq	8	8	8	8	8	
		In Wg	0.31	0.31	0.31	0.31	0.31		
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	12.7	12.7	15.88		
		Φ, inch	3/8"	3/8"	1/2"	1/2"	5/8"		
	Gas Pipe	Φ, mm	19.05	22.22	28.58	28.58	28.58		
Φ, inch		3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"			
Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)		
		ft	656(722)	656(722)	656(722)	656(722)	656(722)		
	Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)		
		ft	361(131)	361(131)	361(131)	361(131)	361(131)		
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A		
	Factory Charging	kg	5.5	7.4	7.4	8.7	11		
Sound		lbs	12.13	16.31	16.31	19.18	24.25		
	Sound Pressure	dB(A)	60	61	61	62	64		
	Sound Power	dB(A)	77	81	81	83	85		
External Dimension	Net Weight	kg	193	283	283	298	325		
		lbs	425.49	623.91	623.91	656.98	716.5		
	Shipping Weight	kg	209	302	302	317	342		
		lbs	460.77	665.8	665.8	698.87	753.98		
Net Dimensions (WxHxD)	mm		880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765		
	inch		34.65 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12		
	mm		948 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832		
Shipping Dimensions (WxHxD)	inch		37.32 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76		
	°F		23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0		
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9		
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0		
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9		
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0		

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 Nominal capacities are based on:
 * Refrigerant piping: 25 feet, vertical separation: 0 feet
 * Cooling indoor temperature: 27°C(80°F) DB, 19°C(67°F) WB / outdoor temperature: 35°C(95°F) DB, 24°C(75°F) WB
 * Heating indoor temperature: 20°C(70°F) DB, 15°C(60°F) WB / outdoor temperature: 7°C(47°F) DB, 6°C(43°F) WB
 Visit www.AHRI.org for current AHRI efficiency rating data.
 Sound pressure was acquired in a dead room. Thus, actual noise level may be different depending on the installation conditions.
 Samsung maintains a policy of ongoing development, specifications are subject to change without notice.

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DVM S HP (208~230V)				AM216JXVAFH/AA	AM240JXVAFH/AA	AM264JXVAFH/AA	AM288JXVAFH/AA	AM312JXVAFH/AA	AM336JXVAFH/AA	AM360JXVAFH/AA
Power Supply	Φ, #, V, Hz			3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60
Mode				HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP	HP		22.5	25	27.5	30	32.5	35	37.5
	Ton	Ton		18	20	22	24	26	28	30
	Capacity (Nominal)	Cooling	Btu/h	216,000	240,000	264,000	288,000	312,000	336,000	360,000
		Heating	Btu/h	243,000	270,000	297,000	324,000	351,000	378,000	405,000
Capacity (Rated)	Cooling	Btu/h	206,000	228,000	252,000	276,000	298,000	320,000	340,000	360,000
	Heating	Btu/h	230,000	258,000	282,000	308,000	334,000	360,000	386,000	412,000
Power	MCA	A		80.6	94	101	105.2	118.6	132	139
	MOP	A		-	-	-	-	-	-	-
Compressor	Type			SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
	Model Name			DS-GB052FBVASG x 3	DS-GB052FBVASG x 3	DS-GB052FBVASG x 1 + DS4GJ5066EVASG x 2	DS-GB052FBVASG x 4	DS-GB052FBVASG x 4	DS-GB052FBVASG x 4	DS-GB052FBVASG x 2 + DS4GJ5066EVASG x 2
Fan	Oil	Type		PVE	PVE	PVE	PVE	PVE	PVE	PVE
	Type			Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
Air Flow Rate	Output x n	W		620.0 x 2 + 630.0 x 1	630.0 x 1 + 620.0 x 2	630.0 x 1 + 620.0 x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
	CFM			9,535.32 + 7,239.78	7,239.78 + 10,947.96	7,239.78 + 10,947.96	9,535.32 x 2	9,535.32 + 10,947.96	10,947.96 x 2	10,947.96 x 2
External Static Pressure	Max.	mmAq		8	8	8	8	8	8	8
		In Wg		0.31	0.31	0.31	0.31	0.31	0.31	0.31
Liquid Pipe	Φ, mm			15.88	15.88	19.05	19.05	19.05	19.05	19.05
	Φ, inch			5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"
Gas Pipe	Φ, mm			28.58	28.58	34.92	34.92	34.92	34.92	41.28
	Φ, inch			1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 5/8"
Piping Connections	Discharge Gas Pipe	Φ, mm		-	-	-	-	-	-	-
		Φ, inch		-	-	-	-	-	-	-
Installation Limitation	Max. Length	m		200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)
		ft		656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)
Max. Height	m			110(40)	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)
	ft			361(131)	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging	kg		14.2	16.5	16.5	17.4	19.7	22	22
Sound	Sound Pressure	lbs		31.31	36.38	36.38	38.36	43.43	48.5	48.5
	Sound Power	dB(A)		64	65	65	66	66	66	66
Net Weight	kg			298.0 + 193.0	193.0 + 325.0	193.0 + 333.0	298.0 x 2	298.0 + 325.0	325.0 x 2	325.0 + 333.0
	lbs			656.98 + 425.49	425.49 + 716.50	425.49 + 734.14	656.98 x 2	656.98 + 716.50	716.50 x 2	716.50 + 734.14
Shipping Weight	kg			317.0 + 209.0	209.0 + 342.0	209.0 + 350.0	317.0 x 2	317.0 + 342.0	342.0 x 2	342.0 + 350.0
	lbs			698.87 + 460.77	460.77 + 753.98	460.77 + 771.62	698.87 x 2	698.87 + 753.98	753.98 x 2	753.98 + 771.62
Net Dimensions (WxHxD)	mm			1,295 x 1,695 x 765 + 880 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
	inch			50.98 x 66.73 x 30.12 + 34.65 x 66.73 x 30.12	34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12	34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2
Shipping Dimensions (WxHxD)	mm			1,363 x 1,887 x 832 + 948 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2
	inch			53.66 x 74.29 x 32.76 + 37.32 x 74.29 x 32.76	37.32 x 74.29 x 32.76 + 53.66 x 74.29 x 32.76	37.32 x 74.29 x 32.76 + 53.66 x 74.29 x 32.76	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2
Operating Temp. Range	Cooling	°F		23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0
		°C		-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9
Heating	°F			-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0
	°C			-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9

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- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol



DVMS HP (208~230V)				AM384JXVAFH/AA	AM408JXVAFH/AA	AM432JXVAFH/AA	AM456JXVAFH/AA	AM480JXVAFH/AA	AM504JXVAFH/AA	AM528JXVAFH/AA	
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		40	42.5	45	47.5	50	52.5	55	55	
	Ton		32	34	36	38	40	42	44	44	
	Capacity (Nominal)	Cooling	Btu/h	384,000	408,000	432,000	456,000	480,000	504,000	528,000	528,000
		Heating	Btu/h	432,000	459,000	486,000	513,000	540,000	567,000	594,000	594,000
Capacity (Rated)	Cooling	Btu/h	366,000	390,000	415,000	435,000	455,000	480,000	500,000	500,000	
	Heating	Btu/h	410,000	435,000	460,000	490,000	510,000	535,000	560,000	560,000	
Power	MCA	A	146	153.6	157.8	175	184.6	198	205	205	
	MOP	A	-	-	-	-	-	-	-	-	
	Type		SSC Scroll x 4	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	
Compressor	Model Name		DS4GJ5066EVASG x 4	DS-GB052FBVASG x 3 + DS4GJ5066EVASG x 2	DS-GB052FBVASG x 6	DS-GB052FBVASG x 6	DS-GB052FBVASG x 6	DS-GB052FBVASG x 6	DS-GB052FBVASG x 6	DS-GB052FBVASG x 4 + DS4GJ5066EVASG x 2	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE	PVE	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
Fan	Output x n	W	(620.0 x 2) x 2	(620.0 x 2) x 2 + 630.0 x 1	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	
	Air Flow Rate	CFM	10,947.96 x 2	9,535.32 + 7,239.78 + 10,947.96	9,535.32 x 3	9,535.32 x 3	9,182.16 + 10,947.96 x 2	9,535.32 + 10,947.96 x 2	10,947.96 x 3	10,947.96 x 3	
	External Static Pressure	Max.	mmAq	8	8	8	8	8	8	8	
			In Wg	0.31	0.31	0.31	0.31	0.31	0.31	0.31	
Liquid Pipe	Φ, mm		19.05	19.05	19.05	19.05	19.05	19.05	19.05		
	Φ, inch		3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"		
Gas Pipe	Φ, mm		41.28	41.28	41.28	41.28	41.28	41.28	41.28		
	Φ, inch		1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"		
Piping Connections	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	-	-	
	Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	
Max. Height		ft	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)		
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	22	25.2	26.1	29.4	30.7	33	33		
		lbs	48.5	55.56	57.54	64.82	67.68	72.75	72.75		
Sound	Sound Pressure	dB(A)	67	67	67	67	67	68	68		
	Sound Power	dB(A)	88	88	88	89	89	90	90		
External Dimension	Net Weight	kg	333.0 x 2	298.0 + 193.0 + 333.0	298.0 x 3	283.0 + 325.0 x 2	298.0 + 325.0 x 2	325.0 x 3	325.0 x 2 + 333.0		
		lbs	734.14 x 2	656.98 + 425.49 + 734.14	656.98 x 3	623.91 + 716.50 x 2	656.98 + 716.50 x 2	716.50 x 3	716.50 x 2 + 734.14		
	Shipping Weight	kg	350.0 x 2	317.0 + 209.0 + 350.0	317.0 x 3	302.0 + 342.0 x 2	317.0 + 342.0 x 2	342.0 x 3	342.0 x 2 + 350.0		
		lbs	771.62 x 2	698.87 + 460.77 + 771.62	698.87 x 3	665.80 + 753.98 x 2	698.87 + 753.98 x 2	753.98 x 3	753.98 x 2 + 771.62		
	Net Dimensions (WxHxD)	mm	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3		
	inch	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2 + 34.65 x 66.73 x 30.12	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3			
Shipping Dimensions (WxHxD)	mm	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3			
	inch	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2 + 37.32 x 74.29 x 32.76	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3			
Operating Temp. Range	Cooling	°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0		
		°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9		
Heating	°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0		
	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9		

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DVM S HR (208~230V)				AM072FXVAFR/AA	AM096FXVAFR/AA	AM120FXVAFR/AA	AM144FXVAFR/AA	AM168HXVAFR/AA	AM192HXVAFR/AA
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60
Mode			HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP	HP	7.5	10	12.5	15	17.5	20	20
	Ton	Ton	6	8	10	12	14	16	16
	Capacity (Nominal)	Cooling	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000
		Heating	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000
Capacity (Rated)	Cooling	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000	184,000
	Heating	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	206,000
Power	MCA	A	28	37.8	43	52.6	66	73	73
	MOP	A	-	-	-	-	-	-	-
	Type		SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
Compressor	Model Name		DS-GB052FBVASG x 1	DS-GB052FBVASG x 2	DS-GB052FBVASG x 2	DS-GB052FBVASG x 2	DS-GB052FBVASG x 2	DS-GB052FBVASG x 2	DS-4G5066EVASG x 2
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
Fan	Output x n	W	630.0 x 1	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2
	Air Flow Rate	CFM	7,239.78	9,182.16	9,182.16	9,535.32	10,947.96	10,947.96	10,947.96
	External Static Pressure	Max	mmAq	8	8	8	8	8	8
Piping Connections		in Wg	0.31	0.31	0.31	0.31	0.31	0.31	0.31
	Liquid Pipe	Φ, mm	9.52	9.52	12.7	12.7	15.88	15.88	15.88
		Φ, inch	3/8"	3/8"	1/2"	1/2"	5/8"	5/8"	5/8"
	Gas Pipe	Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	28.58
		Φ, inch	3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
	Discharge Gas Pipe	Φ, mm	15.88	19.05	22.22	22.22	22.22	22.22	28.58
Installation Limitation		Φ, inch	5/8"	3/4"	7/8"	7/8"	7/8"	7/8"	1 1/8"
	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)
	ft	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)
Refrigerant	Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)
	ft	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)
	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Factory Charging	kg	5.5	7.4	7.4	8.7	11	11	11	
	lbs	12.13	16.31	16.31	19.18	24.25	24.25	24.25	
Sound Pressure	dB(A)	60	61	61	62	64	64	64	
	dB(A)	77	81	81	83	85	86	86	
Sound Power	kg	193	283	283	298	325	333	333	
	lbs	425.49	623.91	623.91	656.98	716.5	734.14	734.14	
Net Weight	kg	209	302	302	317	342	350	350	
	lbs	460.77	665.8	665.8	698.87	753.98	771.62	771.62	
Shipping Weight	mm	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	
	inch	34.65 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	
	mm	948 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	
Shipping Dimensions (WxHxD)	inch	37.32 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	
	°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0
	Heating	°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9
		°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0

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DVMS HR (208~230V)				AM216JXVAFR/AA	AM240JXVAFR/AA	AM264JXVAFR/AA	AM288JXVAFR/AA	AM312JXVAFR/AA	AM336JXVAFR/AA	AM360JXVAFR/AA
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60
Mode			HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP	HP	22.5	25	27.5	30	32.5	35	37.5	40.5
	Ton	Ton	18	20	22	24	26	28	30	32
	Capacity (Nominal)	Cooling	Btu/h	216,000	240,000	264,000	288,000	312,000	336,000	360,000
		Heating	Btu/h	243,000	270,000	297,000	324,000	351,000	378,000	405,000
Capacity (Rated)	Cooling	Btu/h	206,000	228,000	252,000	276,000	298,000	320,000	344,000	368,000
	Heating	Btu/h	230,000	258,000	282,000	308,000	334,000	360,000	386,000	412,000
Power	MCA	A	80.6	94	101	105.2	118.6	132	139	151
	MOP	A	-	-	-	-	-	-	-	-
Compressor	Type		SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
	Model Name		DS-GB052FBVAG x 3	DS-GB052FBVAG x 3	DS-GB052FBVAG x 1 + DS4GJ5066EVASG x 2	DS-GB052FBVAG x 4	DS-GB052FBVAG x 4	DS-GB052FBVAG x 4	DS-GB052FBVAG x 4	DS-GB052FBVAG x 2 + DS4GJ5066EVASG x 2
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE	PVE
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Output x n	W	620.0 x 2 + 630.0 x 1	630.0 x 1 + 620.0 x 2	630.0 x 1 + 620.0 x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
	Air Flow Rate	CFM	9,535.32 + 7,239.78	7,239.78 + 10,947.96	7,239.78 + 10,947.96	9,535.32 x 2	9,535.32 + 10,947.96	10,947.96 x 2	10,947.96 x 2	10,947.96 x 2
External Static Pressure	Max.	mmAq	8	8	8	8	8	8	8	8
		In Wg	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Liquid Pipe	Φ, mm		15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05
	Φ, inch		5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Gas Pipe	Φ, mm		28.58	28.58	34.92	34.92	34.92	34.92	34.92	41.28
	Φ, inch		1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 5/8"
Discharge Gas Pipe	Φ, mm		28.58	28.58	28.58	28.58	28.58	28.58	28.58	34.92
	Φ, inch		1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"
Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)
	Max. Height	ft	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging	kg	14.2	16.5	16.5	17.4	19.7	22	22	24.5
Sound	Sound Pressure	dB(A)	64	65	65	65	66	66	66	66
	Sound Power	dB(A)	84	86	87	86	87	88	88	87
Net Weight	kg		298.0 + 193.0	193.0 + 325.0	193.0 + 333.0	298.0 x 2	298.0 + 325.0	325.0 x 2	325.0 + 333.0	
	lbs		656.98 + 425.49	425.49 + 716.50	425.49 + 734.14	656.98 x 2	656.98 + 716.50	716.50 x 2	716.50 + 734.14	
Shipping Weight	kg		317.0 + 209.0	209.0 + 342.0	209.0 + 350.0	317.0 x 2	317.0 + 342.0	342.0 x 2	342.0 + 350.0	
	lbs		698.87 + 460.77	460.77 + 753.98	460.77 + 771.62	698.87 x 2	698.87 + 753.98	753.98 x 2	753.98 + 771.62	
Net Dimensions (WxHxD)	mm		1,295 x 1,695 x 765 + 880 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	
	inch		50.98 x 66.73 x 30.12 + 34.65 x 66.73 x 30.12	34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12	34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2	
Shipping Dimensions (WxHxD)	mm		1,363 x 1,887 x 832 + 948 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	
	inch		53.66 x 74.29 x 32.76 + 37.32 x 74.29 x 32.76	37.32 x 74.29 x 32.76 + 53.66 x 74.29 x 32.76	37.32 x 74.29 x 32.76 + 53.66 x 74.29 x 32.76	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2	
Operating Temp. Range	Cooling	°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	
		°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	
Heating	°F		-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	
	°C		-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	

* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.
 Nominal capacities are based on:
 * Refrigerant piping: 25 feet, vertical separation: 0 feet
 * Cooling indoor temperature: 27°C(80°F) DB, 19°C(67°F) WB / outdoor temperature: 35°C(95°F) DB, 24°C(75°F) WB
 * Heating indoor temperature: 20°C(70°F) DB, 15°C(60°F) WB / outdoor temperature: 7°C(47°F) DB, 6°C(43°F) WB
 Visit www.AHRIdirectory.org for current AHRI efficiency rating data.
 Sound pressure was acquired in a dead room. Thus, actual noise level may be different depending on the installation conditions.
 Samsung maintains a policy of ongoing development, specifications are subject to change without notice.

DVMS SPECIFICATION Outdoor Unit



DVMS

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol



DVMS HR (208~230V)				AM384JXVAFR/AA	AM408JXVAFR/AA	AM432JXVAFR/AA	AM456JXVAFR/AA	AM480JXVAFR/AA	AM504JXVAFR/AA	AM528JXVAFR/AA	
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	
Mode			HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	
Performance	HP	HP	40	42.5	45	47.5	50	52.5	55	58	
	Ton	Ton	32	34	36	38	40	42	44	46	
	Capacity (Nominal)	Cooling	Btu/h	384,000	408,000	432,000	456,000	480,000	504,000	528,000	552,000
		Heating	Btu/h	432,000	459,000	486,000	513,000	540,000	567,000	594,000	621,000
Capacity (Rated)	Cooling	Btu/h	366,000	390,000	415,000	435,000	455,000	480,000	500,000	520,000	
	Heating	Btu/h	410,000	435,000	460,000	490,000	510,000	535,000	560,000	585,000	
Power	MCA	A	146	153.6	157.8	175	184.6	198	205	219	
	MOP	A	-	-	-	-	-	-	-	-	
	Type		SSC Scroll x 4	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	
Compressor	Model Name		DS4GJ5066EVASG x 4	DS-GB052FBVASG x 3 + DS4GJ5066EVASG x 2	DS-GB052FBVASG x 6	DS-GB052FBVASG x 6	DS-GB052FBVASG x 6	DS-GB052FBVASG x 6	DS-GB052FBVASG x 6	DS-GB052FBVASG x 6 + DS4GJ5066EVASG x 2	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE	PVE	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
Fan	Output x n	W	(620.0 x 2) x 2	(620.0 x 2) x 2 + 630.0 x 1	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	
	Air Flow Rate	CFM	10,947.96 x 2	9,535.32 + 7,239.78 + 10,947.96	9,535.32 x 3	9,182.16 + 10,947.96 x 2	9,535.32 + 10,947.96 x 2	9,535.32 + 10,947.96 x 2	10,947.96 x 3	10,947.96 x 3	
	External Static Pressure	Max.	mmAq	8	8	8	8	8	8	8	
			In Wg	0.31	0.31	0.31	0.31	0.31	0.31	0.31	
Liquid Pipe	Φ, mm		19.05	19.05	19.05	19.05	19.05	19.05	19.05		
	Φ, inch		3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"		
Gas Pipe	Φ, mm		41.28	41.28	41.28	41.28	41.28	41.28	41.28		
	Φ, inch		1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"		
Piping Connections	Discharge Gas Pipe	Φ, mm	34.92	34.92	34.92	34.92	34.92	34.92	34.92		
		Φ, inch	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"		
	Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)		
	Max. Height	ft	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)			
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A		
	Factory Charging	kg	22	25.2	26.1	29.4	30.7	33	33		
		lbs	48.5	55.56	57.54	64.82	67.68	72.75	72.75		
Sound	Sound Pressure	dB(A)	67	67	67	67	67	68	68		
	Sound Power	dB(A)	88	88	88	89	89	90	90		
External Dimension	Net Weight	kg	333.0 x 2	298.0 + 193.0 + 333.0	298.0 x 3	283.0 + 325.0 x 2	298.0 + 325.0 x 2	325.0 x 3	325.0 x 2 + 333.0		
		lbs	734.14 x 2	656.98 + 425.49 + 734.14	656.98 x 3	623.91 + 716.50 x 2	656.98 + 716.50 x 2	716.50 x 3	716.50 x 2 + 734.14		
	Shipping Weight	kg	350.0 x 2	317.0 + 209.0 + 350.0	317.0 x 3	302.0 + 342.0 x 2	317.0 + 342.0 x 2	342.0 x 3	342.0 x 2 + 350.0		
		lbs	771.62 x 2	698.87 + 460.77 + 771.62	698.87 x 3	665.80 + 753.98 x 2	698.87 + 753.98 x 2	753.98 x 3	753.98 x 2 + 771.62		
	Net Dimensions (WxHxD)	mm	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3		
		inch	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2 + 34.65 x 66.73 x 30.12	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3		
Shipping Dimensions (WxHxD)	mm	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3			
	inch	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2 + 37.32 x 74.29 x 32.76	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3			
Operating Temp. Range	Cooling	°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0		
		°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9		
	Heating	°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0		
		°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9		

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 Nominal capacities are based on:
 * Refrigerant piping: 25 feet, vertical separation: 0 feet
 * Cooling indoor temperature: 27°C(80°F) DB, 19°C(67°F) WB / outdoor temperature: 35°C(95°F) DB, 24°C(75°F) WB
 * Heating indoor temperature: 20°C(70°F) DB, 15°C(60°F) WB / outdoor temperature: 7°C(47°F) DB, 6°C(43°F) WB
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DVMS SPECIFICATION _Outdoor Unit

60Hz



DVMS

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
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- New Communication Protocol

DVMS HP (380V)			AM080FXVAHH/TC	AM100FXVAHH/TC	AM120FXVAHH/TC	AM140FXVAHH/TC	AM160FXVAHH/TC	AM180FXVAHH/TC	
Power Supply	Φ, #, V, Hz		3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	8	10	12	14	16	18	
	Ton	Ton	6.5	8	10	11.5	13	15	
	Capacity (Nominal)	Cooling	kW	22.4	28	33.6	40	45	50.4
		Heating	Btu/h	76,400	95,500	114,600	136,500	153,500	172,000
Power	Power Input (Nominal)	Cooling ¹⁾	kW	25.2	31.5	37.8	45	50	56.7
		Heating ²⁾	Btu/h	86,000	107,500	129,000	153,500	170,600	193,500
	Current Input (Nominal)	Cooling ¹⁾	A	4.8	6.7	8.1	8.6	10.7	12.73
		Heating ²⁾	A	5.1	6.61	8.6	9.4	11.3	11.65
	MCA	Cooling	A	8.1	11.3	13.6	14.5	18	21.4
		Heating	A	8.6	11.1	14.5	15.8	19	19.6
COP	Nominal Cooling ¹⁾	-	22.50 (MCA)	29.90 (MCA)	31.30 (MCA)	31.30 (MCA)	40.00 (MCA)	48.90 (MCA)	
	Nominal Heating ²⁾	-	4.67	4.18	4.15	4.65	4.21	3.96	
Compressor	Type	-	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	
	Output	kW x n	-4.96	-6.13	-6.13	-6.13	(4.96x2)	(6.13x2)	
Fan	Model Name	-	DS-GB052FAVB x 1	DS-GB066FAVB x 1	DS-GB066FAVB x 1	DS-GB066FAVB x 1	DS-GB052FAVB x 2	DS-GB066FAVB x 2	
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE	
Piping Connections	Initial Charge	cc	2300	2300	2300	2300	4600	4600	
	Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	630.0 x 1	630.0 x 1	630.0 x 1	500.0 x 2	500.0 x 2	500.0 x 2	
	Air Flow Rate	CMM	0	173	173	226	250	270	
External Static Pressure	Max.	mmAq	8	8	8	8	8	8	
		Pa	78.45	78.45	78.45	78.45	78.45	78.45	
Liquid Pipe	Φ, mm		9.52	9.52	12.7	12.7	12.7	15.88	
	Φ, inch		3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	
Gas Pipe	Φ, mm		19.05	22.22	28.58	28.58	28.58	28.58	
	Φ, inch		3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	
Discharge Gas Pipe	Φ, mm		-	-	-	-	-	-	
	Φ, inch		-	-	-	-	-	-	
Oil Equalizing Pipe	Φ, mm		-	-	-	-	-	-	
	Φ, inch		-	-	-	-	-	-	
Installation Limitation	Max. Length	m	200	200	200	200	200	200	
	Max. Height	m	110	110	110	110	110	110	
Field Wiring	Power Source Wire	mm ²	-	-	-	-	-	-	
	Transmission Cable	mm ²	0.75 ~ 1.5	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	R410A	
	Factory Charging	kg	5.5	5.2	5.5	7.7	7.4	8.7	
Sound ³⁾	Sound Pressure	dB(A)	57	58	62	61	63	64	
	Sound Power	dB(A)	77	79	81	81	83	86	
External Dimension	Net Weight	kg	190	190	190	235	278	300	
	Shipping Weight	kg	206	206	206	254	297	319	
Operating Temp. Range	Net Dimensions (WxHxD)	mm	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	
	Shipping Dimensions (WxHxD)	mm	948 x 1,887 x 832	948 x 1,887 x 832	948 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	
Cooling		°C	-5.0 ~ 54.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	

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 * If you wish to install an outdoor unit module with a capacity of over 6.6 HP, then please contact your local Samsung Dealer.
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

DVMS SPECIFICATION _Outdoor Unit



DVMS

DIGITAL VARIABLE MULTI

- DDI (Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP (380V)			AM200FXVAHH/TC	AM220FXVAHH/TC	AM240HXVAHH/TC	AM260HXVAHH/TC	AM280FXVAHH1TC	AM300FXVAHH1TC	
Power Supply	Φ, #, V, Hz		3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	20	22	24	26	28	30	
	Ton	Ton	16.5	18	20	21.5	23	25	
	Capacity (Nominal)	Cooling	Btu/h	191,100	210,200	229,300	248,400	268,200	286,600
		Heating	kW	56	61.6	67.2	72.8	78.6	84
Power	Power Input (Nominal)	Cooling ¹⁾	Btu/h	215,000	236,500	258,000	279,500	299,600	322,400
		Heating ²⁾	kW	63	69.3	75.6	81.9	87.8	94.5
	Current Input (Nominal)	Cooling ¹⁾	A	15.19	17.35	19.3	21.8	23.6	25.4
		Heating ²⁾	A	22.7	25.4	28.1	31.06	33.5	36.1
	MCA			52.50 (MCA)	55.60 (MCA)	60.50 (MCA)	63.80 (MCA)	67.20 (MCA)	70.50 (MCA)
		MFA	A	75	75	75	75	75	90
COP	Nominal Cooling ¹⁾	-	3.69	3.55	3.93	3.77	4.18	4.03	
	Nominal Heating ²⁾	-	4.68	4.15	3.82	3.76	4.41	4.67	
Compressor	Type		SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 3	SSC Scroll x 3	
	Output	kW x n	(6.13x2)	(6.13x2)	(6.39x2)	(6.76x2)	(6.13) + (4.96x2)	(6.13) + (6.13x2)	
	Model Name		DS-GB066FAVB x 2	DS-GB066FAVB x 2	DS-GB070FAVSG x 2	DS-GB070FAVSG x 2	DS-GB066FAVB x 1 + DS-GB052FAVB x 2	DS-GB066FAVB x 3	
Oil	Type		PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge	cc	4600	4600	2200	2200	6900	6900	
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	500.0 x 2	500.0 x 2	620.0 x 2	620.0 x 2	630.0 x 1 + 500.0 x 2	630.0 x 1 + 500.0 x 2	
	Air Flow Rate	CMM	275	275	310	310	173 + 250	173 + 250	
	External Static Pressure		mmAq	8	8	8	8	8	8
Max.		Pa	78.45	78.45	78.45	78.45	78.45	78.45	
Piping Connections	Liquid Pipe	Φ, mm	15.88	15.88	15.88	19.05	19.05	19.05	
		Φ, inch	5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	
	Gas Pipe	Φ, mm	28.58	28.58	34.92	34.92	34.92	34.92	
		Φ, inch	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	
Installation Limitation	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
Field Wiring	Power Source Wire	mm ²	200	200	200	200	200	200	
	Transmission Cable	mm ²	110	110	110	110	110	110	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	8.4	8.4	14.3	14.3	12.9	14.2	
Sound ³⁾	Sound Pressure	dB(A)	65	67	67	67	-	-	
	Sound Power	dB(A)	87	89	91	91	-	-	
External Dimension	Net Weight	kg	300	300	360	360	190.0 + 278.0	190.0 + 300.0	
	Shipping Weight	kg	319	319	375	375	206.0 + 297.0	206.0 + 319.0	
	Net Dimensions (WxHxD)	mm	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	
Operating Temp. Range	Cooling	°C	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	
	Heating	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
		°C	-20.0 ~ 24.0	-20.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	

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 * If you wish to install an outdoor unit module with a capacity of over 6.6 HP, then please contact your local Samsung Dealer.
 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

DVMS SPECIFICATION _Outdoor Unit



DVMS

DIGITAL VARIABLE MULTI

- DDI (Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP (380V)			AM320FXVAHH1TC	AM340FXVAHH1TC	AM360FXVAHH1TC	AM380FXVAHH1TC	AM400FXVAHH1TC	AM420FXVAHH1TC	
Power Supply	Φ, #, V, Hz		3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		32	34	36	38	40	42	
	Ton		26.5	28	30	31.5	33	35	
	Capacity (Nominal)	Cooling	Btu/h	305,700	324,800	346,700	363,700	382,200	401,300
		Heating	kW	100.8	107.1	114.3	119.3	126	132.3
Power	Power Input (Nominal)	Cooling ¹⁾	Btu/h	343,900	365,400	390,000	407,100	429,900	451,400
		Heating ²⁾	kW	23.29	25.45	26.1	28	26.9	30.15
	Current Input (Nominal)	Cooling ¹⁾	A	39.2	42.8	43.7	47.2	51.2	54.8
		Heating ²⁾	A	37.2	42.6	43.9	47.1	45.4	50.8
	MCA			73.70 (MCA)	76.50 (MCA)	76.50 (MCA)	84.20 (MCA)	92.40 (MCA)	95.20 (MCA)
	MFA			90	90	90	100	100	125
COP	Nominal Cooling ¹⁾		3.85	3.74	3.92	3.8	3.69	3.61	
	Nominal Heating ²⁾		4.57	4.23	4.38	4.26	4.68	4.39	
Compressor	Type		SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	
	Output	kW x n	(6.13) + (6.13x2)	(6.13) + (6.13x2)	(6.13) + (6.13x2)	(4.96x2) + (6.13x2)	(6.13x2)x2	(6.13x2) + (6.13x2)	
	Model Name		DS-GB066FAVB x 3	DS-GB066FAVB x 3	DS-GB066FAVB x 3	DS-GB052FAVB x 2 + DS-GB066FAVB x 2	DS-GB066FAVB x 4	DS-GB066FAVB x 4	
Oil	Type		PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge	cc	6900	6900	6900	9200	9200	9200	
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	630.0 x 1 + 500.0 x 2	630.0 x 1 + 500.0 x 2	(500.0 x 2) x 2	(500.0 x 2) x 2	(500.0 x 2) x 2	(500.0 x 2) x 2	
	Air Flow Rate	CMM	173 + 275	173 + 275	226 + 275	250 + 275	275 x 2	275 x 2	
	External Static Pressure		mmAq	8	8	8	8	8	8
Max.		Pa	78.45	78.45	78.45	78.45	78.45	78.45	
Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05	
		Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
	Gas Pipe	Φ, mm	34.92	34.92	41.28	41.28	41.28	41.28	
		Φ, inch	1 3/8"	1 3/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	
Installation Limitation	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
Field Wiring	Power Source Wire	mm ²	200	200	200	200	200	200	
	Transmission Cable	mm ²	110	110	110	110	110	110	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	13.9	13.9	16.1	15.8	16.8	16.8	
Sound ³⁾	Sound Pressure	dB(A)	-	-	-	-	-	-	
	Sound Power	dB(A)	-	-	-	-	-	-	
External Dimension	Net Weight	kg	190.0 + 300.0	190.0 + 300.0	235.0 + 300.0	278.0 + 300.0	300.0 x 2	300.0 x 2	
	Shipping Weight	kg	206.0 + 319.0	206.0 + 319.0	254.0 + 319.0	297.0 + 319.0	319.0 x 2	319.0 x 2	
	Net Dimensions (WxHxD)	mm	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	
	Shipping Dimensions (WxHxD)	mm	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	

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 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP (380V)			AM440FXVAHH1TC	AM460FXVAHH1TC	AM480FXVAHH1TC	AM500FXVAHH1TC	AM520FXVAHH1TC	AM540FXVAHH1TC	
Power Supply	Φ, #, V, Hz		3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		44	46	48	50	52	54	
	Ton		36.5	38	40	41.5	43	44.5	
	Capacity (Nominal)	Cooling		420,400	439,500	461,300	478,400	496,800	515,900
		Heating		138.6	144.9	152.1	157.1	163.8	170.1
Power	Power Input (Nominal)	Cooling ¹⁾	34.7	33.55	34.05	36.15	38.18	40.64	
		Heating ²⁾	33.4	33.9	34.7	36.6	36.95	38.75	
	Current Input (Nominal)	Cooling ¹⁾	58.4	56.4	57.3	60.8	64.2	68.4	
		Heating ²⁾	56.2	57.1	58.4	61.6	62.2	65.3	
	MCA		97.90 (MCA)	104.00 (MCA)	104.00 (MCA)	111.70 (MCA)	119.50 (MCA)	122.70 (MCA)	
	MFA		125	125	125	125	125	150	
COP	Nominal Cooling ¹⁾		3.55	3.84	3.97	3.88	3.81	3.72	
	Nominal Heating ²⁾		4.15	4.27	4.38	4.29	4.43	4.39	
Compressor	Type		SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5	
	Output		(6.13x2)x2	(6.13x2) + (6.13x2)	(6.13) + (6.13) + (6.13x2)	(6.13) + (4.96x2) + (6.13x2)	(6.13) + (6.13x2) + (6.13x2)	(6.13) + (6.13x2) + (6.13x2)	
	Model Name		DS-GB066FAVB x 4	DS-GB066FAVB x 4	DS-GB066FAVB x 4	DS-GB066FAVB x 3 + DS-GB052FAVB x 2	DS-GB066FAVB x 5	DS-GB066FAVB x 5	
Oil	Type		PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge		9200	9200	9200	11500	11500	11500	
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n		(500.0 x 2) x 2	(630.0 x 1) x 2 + 500.0 x 2	630.0 x 1 + (500.0 x 2) x 2	630.0 x 1 + (500.0 x 2) x 2	630.0 x 1 + (500.0 x 2) x 2	630.0 x 1 + (500.0 x 2) x 2	
	Air Flow Rate		275 x 2	173 x 2 + 275	173 + 226 + 275	173 + 250 + 275	173 + 270 + 275	173 + 275 x 2	
	External Static Pressure	Max.	8	8	8	8	8	8	
Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05	
		Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
	Gas Pipe	Φ, mm	41.28	41.28	41.28	41.28	41.28	41.28	
		Φ, inch	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
Oil Equalizing Pipe	Φ, mm		-	-	-	-	-	-	
	Φ, inch		-	-	-	-	-	-	
Installation Limitation	Max. Length		200	200	200	200	200	200	
	Max. Height		110	110	110	110	110	110	
Field Wiring	Power Source Wire		-	-	-	-	-	-	
	Transmission Cable		0.75 ~ 1.5	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	R410A	
	Factory Charging		16.8	19.4	21.6	21.3	22.6	22.3	
Sound ³⁾	Sound Pressure		-	-	-	-	-	-	
	Sound Power		-	-	-	-	-	-	
External Dimension	Net Weight		300.0 x 2	190.0 x 2 + 300.0	190.0 + 235.0 + 300.0	190.0 + 278.0 + 300.0	190.0 + 300.0 x 2	190.0 + 300.0 x 2	
	Shipping Weight		319.0 x 2	206.0 x 2 + 319.0	206.0 + 254.0 + 319.0	206.0 + 297.0 + 319.0	206.0 + 319.0 x 2	206.0 + 319.0 x 2	
	Net Dimensions (WxHxD)		(1,295 x 1,695 x 765) x 2	(880 x 1,695 x 765) x 2 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	
	Shipping Dimensions (WxHxD)		(1,363 x 1,887 x 832) x 2	(948 x 1,887 x 832) x 2 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	
Operating Temp. Range	Cooling		-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating		-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	

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 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. This actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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DVMS HP (380V)			AM560FXVAHH1TC	AM580FXVAHH1TC	AM600FXVAHH1TC	AM620FXVAHH1TC	AM640FXVAHH1TC	AM660FXVAHH1TC	
Power Supply	Φ, #, V, Hz		3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		56	58	60	64	66	66	
	Ton		46.5	48	49.5	51.5	53	54.5	
	Capacity (Nominal)	Cooling		156.8	163.2	168.2	173.6	179.2	184.8
		Heating		176.4	183.6	188.6	195.3	201.6	207.9
Power	Power Input (Nominal)	Cooling ¹⁾	535,000	556,900	573,900	592,300	611,500	630,600	
		Heating	601,900	626,500	643,500	666,400	687,900	709,400	
	Current Input (Nominal)	Cooling ¹⁾	42.8	43.3	45.4	47.73	49.89	52.05	
		Heating ²⁾	42	42.8	44.7	43.6	46.85	50.1	
	MCA	Cooling ¹⁾	72	72.9	76.4	80.4	84	87.6	
		Heating ²⁾	70.7	72	75.2	73.5	78.9	84.3	
COP	Nominal Cooling ¹⁾		3.66	3.77	3.7	3.64	3.59	3.55	
	Nominal Heating ²⁾		4.2	4.29	4.22	4.48	4.3	4.15	
Compressor	Type		SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	
	Output		(6.13) + (6.13x2)x2	(6.13) + (6.13x2)x2	(4.96x2) + (6.13x2)x2	(6.13x2)x2 + (6.13x2)	(6.13x2)x2 + (6.13x2)	(6.13x2)x2 + (6.13x2)x2	(6.13x2)x2 + (6.13x2)x2
Fan	Oil		PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge		11500	11500	13800	13800	13800	13800	
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n		630.0 x 1 + (500.0 x 2) x 2	(500.0 x 2) x 3	(500.0 x 2) x 3	(500.0 x 2) x 3	(500.0 x 2) x 3	(500.0 x 2) x 3	
	Air Flow Rate		173 + 275 x 2	226 + 275 x 2	250 + 275 x 2	275 x 3	275 x 3	275 x 3	
	External Static Pressure	Max.	2,883.33 + 4,583.33 x 2	3,766.67 + 4,583.33 x 2	4,166.67 + 4,583.33 x 2	4,583.33 x 3	4,583.33 x 3	4,583.33 x 3	
Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	19.05	22.22	22.22	22.22	
	Gas Pipe	Φ, inch	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	
	Discharge Gas Pipe	Φ, mm	41.28	41.28	41.28	53.98	53.98	53.98	
	Oil Equalizing Pipe	Φ, inch	1 5/8"	1 5/8"	1 5/8"	2 1/8"	2 1/8"	2 1/8"	
	Installation Limitation	Max. Length		200	200	200	200	200	
	Field Wiring	Power Source Wire		110	110	110	110	110	
	Refrigerant	Type		-	-	-	-	-	
	Sound ³⁾	Sound Pressure		0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
	External Dimension	Net Weight		R410A	R410A	R410A	R410A	R410A	
		Shipping Weight		22.3	24.5	24.2	25.2	25.2	
Operating Temp. Range	Cooling		-	-	-	-	-		
	Heating		-	-	-	-	-		
Operating Temp. Range	Net Weight		190.0 + 300.0 x 2	235.0 + 300.0 x 2	278.0 + 300.0 x 2	300.0 x 3	300.0 x 3	300.0 x 3	
	Shipping Weight		206.0 + 319.0 x 2	254.0 + 319.0 x 2	297.0 + 319.0 x 2	319.0 x 3	319.0 x 3	319.0 x 3	
	Net Dimensions (WxHxD)		880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	
	Shipping Dimensions (WxHxD)		948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	
Operating Temp. Range	Cooling		-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating		-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	

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 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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DVMS HP (380V)			AM680FXVAHH1TC	AM700FXVAHH1TC	AM720FXVAHH1TC	AM740FXVAHH1TC	AM760FXVAHH1TC	AM780FXVAHH1TC	AM800FXVAHH1TC
Power Supply	Φ, #, V, Hz		3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60	3,4,380,60
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP		68	70	72	74	76	78	80
	Ton		56	58	59.5	61	63	64.5	66
	Cooling	kW	190.4	196.8	201.8	207.2	212.8	218.4	224.8
		Btu/h	649,700	671,500	688,600	707,000	726,100	745,200	767,000
Power	Capacity (Nominal)	Heating	214.2	221.4	226.4	233.1	239.4	245.7	252.9
		Btu/h	730,900	755,400	772,500	795,400	816,900	838,400	862,900
	Power Input (Nominal)	Cooling ¹⁾	50.9	51.4	53.3	55.3	57.99	60.15	62.65
	Heating ²⁾	50.6	51.4	53.3	53.65	55.45	58.7	59.5	
Current Input (Nominal)	Cooling ¹⁾	85.6	86.5	90	93.4	97.6	101.2	102.1	
	Heating ²⁾	85.2	86.5	89.7	90.3	93.4	98.8	100.1	
MCA		152.90 (MCA)	152.90 (MCA)	160.60 (MCA)	168.40 (MCA)	171.60 (MCA)	174.40 (MCA)	174.40 (MCA)	
MFA	A	200	200	200	200	200	200	200	
COP	Nominal Cooling ¹⁾		3.74	3.83	3.77	3.73	3.67	3.63	3.71
	Nominal Heating ²⁾		4.23	4.31	4.25	4.34	4.32	4.19	4.25
Compressor	Type		SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7
	Output	kW x n	(6.13x2 + 6.13x2)x2	(6.13 + 6.13) + (6.13x2)x2	(6.13) + (4.96x2) + (6.13x2)x2	(6.13) + (6.13x2) + (6.13x2)x2	(6.13) + (6.13x2) + (6.13x2)x2	(6.13) + (6.13x2) + (6.13x2)x2	(6.13) + (6.13x2)x3
Model Name		DS-GB066FAVB x 6	DS-GB066FAVB x 6	DS-GB066FAVB x 5 + DS-GB052FAVB x 2	DS-GB066FAVB x 7	DS-GB066FAVB x 7	DS-GB066FAVB x 7	DS-GB066FAVB x 7	DS-GB066FAVB x 7
Oil	Type		PVE	PVE	PVE	PVE	PVE	PVE	PVE
Initial Charge	cc		13800	13800	16100	16100	16100	16100	16100
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Output x n	W	(630.0 x 1) x 2 + (500.0 x 2) x 2	630.0 x 1 + (500.0 x 2) x 3	630.0 x 1 + (500.0 x 2) x 3	630.0 x 1 + (500.0 x 2) x 3	630.0 x 1 + (500.0 x 2) x 3	630.0 x 1 + (500.0 x 2) x 3	(500.0 x 2) x 4
	Air Flow Rate	CMM	173 x 2 + 275 x 2	173 + 226 + 275 x 2	173 + 250 + 275 x 2	173 + 250 + 275 x 2	173 + 275 x 3	173 + 275 x 3	226 + 275 x 3
External Static Pressure	Max.	mmAq	8	8	8	8	8	8	8
		Pa	78.45	78.45	78.45	78.45	78.45	78.45	78.45
Liquid Pipe	Φ, mm		22.22	22.22	22.22	22.22	22.22	22.22	22.22
	Φ, inch		7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
Gas Pipe	Φ, mm		53.98	53.98	53.98	53.98	53.98	53.98	53.98
	Φ, inch		2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"
Discharge Gas Pipe	Φ, mm		-	-	-	-	-	-	-
	Φ, inch		-	-	-	-	-	-	-
Oil Equalizing Pipe	Φ, mm		-	-	-	-	-	-	-
	Φ, inch		-	-	-	-	-	-	-
Installation Limitation	Max. Length	m	200	200	200	200	200	200	200
	Max. Height	m	110	110	110	110	110	110	110
Field Wiring	Power Source Wire	mm ²	-	-	-	-	-	-	-
	Transmission Cable	mm ²	0.75 ~ 1.5	0.75 ~ 1.5	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	R410A	R410A
	Factory Charging	kg	27.8	30	29.7	31	30.7	30.7	32.9
Sound ³⁾	Sound Pressure	dB(A)	-	-	-	-	-	-	-
	Sound Power	dB(A)	-	-	-	-	-	-	-
External Dimension	Net Weight	kg	190.0 x 2 + 300.0 x 2	190.0 + 235.0 + 300.0 x 2	190.0 + 278.0 + 300.0 x 2	190.0 + 300.0 x 3	190.0 + 300.0 x 3	190.0 + 300.0 x 3	235.0 + 300.0 x 3
	Shipping Weight	kg	206.0 x 2 + 319.0 x 2	206.0 + 254.0 + 319.0 x 2	206.0 + 297.0 + 319.0 x 2	206.0 + 319.0 x 3	206.0 + 319.0 x 3	206.0 + 319.0 x 3	254.0 + 319.0 x 3
	Net Dimensions (WxHxD)	mm	(880 x 1,695 x 765) x 2 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 4
Shipping Dimensions (WxHxD)	mm	(948 x 1,887 x 832) x 2 + (1,363 x 1,887 x 832) x 2	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 4	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating	°C	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0	-20.0 ~ 24.0

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 1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.
 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

DVMS SPECIFICATION _Outdoor Unit



DVMS

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP (460V)			AM080JXVAJH/AZ	AM100JXVAJH/AZ	AM120JXVAJH/AZ	AM140JXVAJH/AZ	AM160JXVAJH/AZ	AM180JXVAJH/AZ	AM200JXVAJH/AZ	
Power Supply	Φ, #, V, Hz		3,3460.60	3,3460.60	3,3460.60	3,3460.60	3,3460.60	3,3460.60	3,3460.60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		8.00	10.00	12.00	14.00	16.00	18.00	20.00	
	Ton		6.5	8	10	11.5	13	15	16.5	
	Capacity (Nominal)	Cooling	kW	22.39	27.99	33.59	40	44.99	50.41	56.01
		Heating	kW	25.2	31.51	37.81	44.99	50.41	56.71	63.01
Power	Power Input (Nominal)	Cooling ¹⁾	Btu/h	76,400	95,500	114,600	136,500	153,500	172,000	191,100
		Heating ²⁾	Btu/h	86,000	107,500	129,000	153,500	172,000	193,500	215,000
	Current Input (Nominal)	Cooling ¹⁾	kW	4.35	5.5	7.22	8.47	10.64	11.45	12.7
		Heating ²⁾	kW	4.44	5.33	7.4	9.18	10.3	10.4	12.7
MCA	Cooling ¹⁾	A	6.1	7.7	10.1	11.8	14.8	14.9	16	
	Heating ²⁾	A	6.2	7.4	10.3	12.8	14.4	14.5	17.7	
COP	Nominal Cooling ¹⁾		22.00 (MCA)	24.00 (MCA)	26.00 (MCA)	31.00 (MCA)	35.00 (MCA)	42.00 (MCA)	52.00 (MCA)	
	Nominal Heating ²⁾		30	30	30	40	40	50	75	
Compressor	Type		SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	
	Output	kW x n	-4.39	-6.39	-6.39	(4.39x2)	(4.39x2)	-	(6.39x2)	
Fan	Model Name		DS-GA046FAVASG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GA046FAVASG x 2	DS-GA046FAVASG x 2	DS4GJ5066EVAASG x 2	DS-GB066FAVBSG x 2	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE	
Piping Connections	Initial Charge	cc	900	1100	1100	1800	1800	5600	2200	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	830.0 x 1	830.0 x 1	830.0 x 1	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	
	Air Flow Rate	CMM	170	170	220	255	255	260	265	
External Static Pressure		l/s	2,833.33	2,833.33	3,666.67	4,250.00	4,250.00	4,333.33	4,416.67	
	Max.	mmAq	8	8	8	8	8	8	8	
Liquid Pipe		Pa	78.45	78.45	78.45	78.45	78.45	78.45	78.45	
	Φ, mm		9.52	9.52	12.7	12.7	12.7	15.88	15.88	
	Φ, inch		3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	5/8"	
	Gas Pipe	Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	28.58	
Discharge Gas Pipe	Φ, inch		3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	
	Φ, mm		-	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	-	
	Φ, inch		-	-	-	-	-	-	-	
Installation Limitation	Max. Length	m	200	200	200	200	200	200	200	
	Max. Height	m	110	110	110	110	110	110	110	
Field Wiring	Power Source Wire	mm ²	-	-	-	-	-	-	-	
	Transmission Cable	mm ²	-	-	-	-	-	-	-	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	5.5	5.5	6.5	7.7	7.7	8.4	8.4	
Sound ³⁾	Sound Pressure	dB(A)	57	58	62	61	63	64	65	
	Sound Power	dB(A)	77	79	81	81	83	86	87	
External Dimension	Net Weight	kg	188	195	206	283	283	305	305	
	Shipping Weight	kg	204	211	222	302	302	324	324	
	Net Dimensions (WxHxD)	mm	880 x 1,695 x 765	880 x 1,695 x 765	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	
Operating Temp. Range	Shipping Dimensions (WxHxD)	mm	948 x 1,887 x 832	948 x 1,887 x 832	948 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	
	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
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- Flexible Installation
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- New Communication Protocol

DVMS HP (460V)			AM220JXVAJH/AZ	AM240JXVAJH/AZ	AM260JXVAJH/AZ	AM280JXVAJH/AZ	AM300JXVAJH/AZ	AM320JXVAJH/AZ	
Power Supply	Φ, #, V, Hz		3,3460.60	3,3460.60	3,3460.60	3,3460.60	3,3460.60	3,3460.60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		22.00	24.00	26.00	28.00	30.00	32.00	
	Ton		18	20	21.5	23	25	26.5	
	Capacity (Nominal)	Cooling		61.6	67.17	73.59	78.57	83.99	89.59
		Heating		210,200	229,200	251,100	268,100	286,600	305,700
Power	Power Input (Nominal)	Cooling ¹⁾	15.35	14.44	15.69	17.86	17.88	18.67	
		Heating ²⁾	15.8	14.80	16.58	17.70	17.80	20.10	
	Current Input (Nominal)	Cooling ¹⁾	21.4	20.20	21.90	24.90	25.00	26.10	
		Heating ²⁾	22	20.60	23.10	24.70	24.80	28.00	
	MCA		58.00 (MCA)	52.00 (MCA)	57.00 (MCA)	61.00 (MCA)	68.00 (MCA)	78.00 (MCA)	
	MFA		75	-	-	-	-	-	
COP	Nominal Cooling ¹⁾		4.01	4.65	4.69	4.40	4.70	4.80	
	Nominal Heating ²⁾		4.39	5.11	4.99	4.98	5.31	5.02	
Compressor	Type		SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	
	Output		(6.39x2)	(6.39x2)	(6.39) + (4.39x2)	(6.39) + (4.39x2)	(6.39) + (4.39x2)	(6.39) + (4.39x2)	
	Model Name		DS-GB066FAVBSG x 2	DS-GB066FAVBSG x 2	DS-GB066FAVBSG x 1 + DS-GA046FAVASG x 2	DS-GB066FAVBSG x 1 + DS-GA046FAVASG x 2	DS-GB066FAVBSG x 1 + DS4Q5066EVASG x 2	DS-GB066FAVBSG x 3	
Oil	Type		PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge		2200	2200	2900	2900	6700	3300	
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n		620.0 x 2	(830.0 x 1) x 2	830.0 x 1 + 620.0 x 2	830.0 x 1 + 620.0 x 2	830.0 x 1 + 620.0 x 2	830.0 x 1 + 620.0 x 2	
	Air Flow Rate		290	220 x 2	220 + 255	220 + 255	220 + 260	220 + 265	
	External Static Pressure	Max.		4,833.33	3,666.67 x 2	3,666.67 + 4,250.00	3,666.67 + 4,250.00	3,666.67 + 4,333.33	3,666.67 + 4,416.67
			8	8.00	8.00	8.00	8.00	8.00	
Piping Connections	Liquid Pipe	Φ, mm	15.88	15.88	19.05	19.05	19.05	19.05	
		Φ, inch	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	
	Gas Pipe	Φ, mm	28.58	34.92	34.92	34.92	34.92	34.92	
		Φ, inch	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Installation Limitation	Max. Length		200	200	200	200	200	
		Max. Height		110	110.0	110.0	110.0	110.0	
Field Wiring	Power Source Wire		-	-	-	-	-		
	Transmission Cable		-	-	-	-	-		
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A		
	Factory Charging		8.4	13.00	14.20	14.20	14.90		
Sound ³⁾	Sound Pressure		65	65.0	65.0	66.0	67.0		
	Sound Power		89	84.0	84.0	85.0	88.0		
	Net Weight		305	206.0 x 2	206.0 + 283.0	206.0 + 283.0	206.0 + 305.0		
External Dimension	Shipping Weight		324	222.0 x 2	222.0 + 302.0	222.0 + 302.0	222.0 + 324.0		
	Net Dimensions (WxHxD)		1,295 x 1,695 x 765	(880 x 1,695 x 765) x 2	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765		
	Shipping Dimensions (WxHxD)		1,363 x 1,887 x 832	(948 x 1,887 x 832) x 2	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832		
Operating Temp. Range	Cooling		-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0		
	Heating		-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0		

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 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

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- Flexible Installation
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- New Communication Protocol

DVMS HP (460V)			AM340JXVAJH/AZ	AM360JXVAJH/AZ	AM380JXVAJH/AZ	AM400JXVAJH/AZ	AM420JXVAJH/AZ	AM440JXVAJH/AZ	
Power Supply	Φ, #, V, Hz		3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		34.00	36.00	40.00	42.00	44.00	46.00	
	Ton		28	30	31.5	33	35	36.5	
	Capacity (Nominal)	Cooling		95.19	101.61	106.59	112.01	117.61	123.21
		Heating		107.12	114.30	119.72	126.02	132.32	138.62
Power	Power Input (Nominal)	Cooling ¹⁾		324,800	346,700	363,700	382,200	401,300	420,400
		Heating		365,500	390,000	408,500	430,000	451,500	473,000
	Current Input (Nominal)	Cooling ¹⁾		22.57	23.82	25.99	26.80	28.50	30.70
		Heating ²⁾		23.20	24.98	26.10	27.40	28.50	31.60
	MCA	Cooling ¹⁾		31.50	33.20	36.20	37.40	42.80	44.00
		Heating ²⁾		32.30	34.80	36.40	37.40	42.80	44.00
COP	Nominal Cooling ¹⁾		4.22	4.27	4.10	4.89	4.39	4.01	
	Nominal Heating ²⁾		4.62	4.58	4.59	4.96	4.64	4.39	
Compressor	Type		SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	
	Output		(6.39) + (6.39)x2	(4.39x2) + (6.39x2)	(4.39x2) + (6.39x2)	(6.39x2)x2	(6.39x2) + (6.39x2)	(6.39x2)x2	
Fan	Model Name		DS-GB066FAVBSG x 3	DS-GA046FAVBSG x 2 + DS-GB066FAVBSG x 2	DS-GA046FAVBSG x 2 + DS-GB066FAVBSG x 2	DS-GB066FAVBSG x 4	DS-GB066FAVBSG x 4	DS-GB066FAVBSG x 4	
	Oil		PVE	PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge		3300	4000	4400	4400	4400	4400	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n		830.0 x 1 + 620.0 x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	
	Air Flow Rate		220 + 290	255 + 290	255 + 290	265 x 2	265 + 290	290 x 2	
Piping Connections	External Static Pressure	Max.	3,666.67 + 4,833.33	4,250.00 + 4,833.33	4,250.00 + 4,833.33	4,416.67 x 2	4,416.67 + 4,833.33	4,833.33 x 2	
	Liquid Pipe		8.00	8.00	8.00	8.00	8.00	8.00	
Piping Connections	Gas Pipe		78.45	78.45	78.45	78.45	78.45	78.45	
	Discharge Gas Pipe		19.05	19.05	19.05	19.05	19.05	19.05	
	Oil Equalizing Pipe		3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	
	Installation Limitation		34.92	41.28	41.28	41.28	41.28	41.28	
Field Wiring	Power Source Wire		1 3/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	
	Transmission Cable		-	-	-	-	-	-	
Refrigerant	Type		-	-	-	-	-	-	
	Factory Charging		200	200	200	200	200	200	
Sound ³⁾	Power Source Wire		110.0	110.0	110.0	110.0	110.0	110.0	
	Transmission Cable		-	-	-	-	-	-	
External Dimension	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Sound Pressure		14.90	16.10	16.10	16.80	16.80	16.80	
	Sound Power		67.0	67.0	68.0	68.0	69.0	69.0	
	Net Weight		90.0	90.0	90.0	90.0	91.0	92.0	
Operating Temp. Range	Net Weight		206.0 + 305.0	283.0 + 305.0	283.0 + 305.0	305.0 x 2	305.0 x 2	305.0 x 2	
	Shipping Weight		222.0 + 324.0	302.0 + 324.0	302.0 + 324.0	324.0 x 2	324.0 x 2	324.0 x 2	
Operating Temp. Range	Net Dimensions (WxHxD)		880 x 1,695 x 765 + 1,295 x 1,695 x 765	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	
	Shipping Dimensions (WxHxD)		948 x 1,887 x 832 + 1,363 x 1,887 x 832	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	
Operating Temp. Range	Cooling		-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating		-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 1) Nominal cooling capacities are based on: Indoor temperature: 27°C DB, 19°C WB / Outdoor temperature: 35°C DB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. (If the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not.)

DVMS SPECIFICATION _Outdoor Unit



DVMS

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP (460V)		AM460JXVAJH/AZ	AM480JXVAJH/AZ	AM500JXVAJH/AZ	AM520JXVAJH/AZ	AM540JXVAJH/AZ	AM560JXVAJH/AZ	
Model Code								
Power Supply	Φ, #, V, Hz	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	
Mode		HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	46.00	48.00	50.00	52.00	54.00	56.00	
	Ton	38	40	41.5	43	44.5	46.5	
	Cooling	kW	128.78	135.19	140.18	145.60	151.20	156.79
		Btu/h	439,400	461,300	478,300	496,800	515,900	535,000
Power	Capacity (Nominal)	Heating	144.92	152.10	157.53	163.83	170.13	176.43
		Btu/h	494,500	519,000	537,500	559,000	580,500	602,000
	Power Input (Nominal)	Cooling ¹⁾	29.79	31.04	33.21	33.23	34.02	37.92
	Heating ²⁾	30.60	32.38	33.50	33.60	35.90	39.00	
Current Input (Nominal)	Cooling ¹⁾	41.60	43.30	46.30	46.40	47.50	52.90	
	Heating ²⁾	42.60	45.10	46.70	46.80	50.00	54.30	
MCA		110.00 (MCA)	115.00 (MCA)	119.00 (MCA)	126.00 (MCA)	136.00 (MCA)	142.00 (MCA)	
MFA		-	-	-	-	-	-	
COP	Nominal Cooling ¹⁾	4.32	4.36	4.22	4.38	4.44	4.13	
	Nominal Heating ²⁾	4.74	4.70	4.70	4.88	4.74	4.52	
Compressor	Type	SSC Scroll x 4	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5	SSC Scroll x 5	
	Output	(6.39)x2 + (6.39)x2	(6.39) + (4.39x2) + (6.39x2)	(6.39) + (4.39x2) + (6.39x2)	(6.39) + (6.39x2)	(6.39) + (6.39x2) + (6.39x2)	(6.39) + (6.39x2)x2	
Model Name		DS-GB066FAVBSG x 4	DS-GB066FAVBSG x 3 + DS-GA046FAVASG x 2	DS-GB066FAVBSG x 3 + DS-GA046FAVASG x 2	DS-GB066FAVBSG x 3 + DS4GJ5066EVASG x 2	DS-GB066FAVBSG x 5	DS-GB066FAVBSG x 5	
Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge	4400	5100	5100	8900	5500	5500	
Fan	Type	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	(8300 x 1) x 2 + 6200 x 2	8300 x 1 + (6200 x 2) x 2	8300 x 1 + (6200 x 2) x 2	8300 x 1 + (6200 x 2) x 2	8300 x 1 + (6200 x 2) x 2	
	Air Flow Rate	CMH	220 x 2 + 290	220 + 255 + 290	220 + 255 + 290	220 + 260 + 290	220 + 290 x 2	
	External Static Pressure	Max. mmAq	8.00	8.00	8.00	8.00	8.00	
Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	19.05	19.05	19.05	
	Gas Pipe	Φ, inch	3/4"	3/4"	3/4"	3/4"	3/4"	
	Discharge Gas Pipe	Φ, mm	41.28	41.28	41.28	41.28	41.28	
	Oil Equalizing Pipe	Φ, inch	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	
Field Wiring	Power Source Wire	mm ²	-	-	-	-	-	
	Transmission Cable	mm ²	-	-	-	-	-	
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	21.40	22.60	22.60	23.30	23.30	
Sound ³⁾	Sound Pressure	dB(A)	69.0	68.0	69.0	69.0	70.0	
	Sound Power	dB(A)	90.0	90.0	90.0	91.0	92.0	
External Dimension	Net Weight	kg	206.0 + 283.0 + 305.0	206.0 + 283.0 + 305.0	206.0 + 283.0 + 305.0	206.0 + 305.0 x 2	206.0 + 305.0 x 2	
	Shipping Weight	kg	222.0 x 2 + 324.0	222.0 + 302.0 + 324.0	222.0 + 302.0 + 324.0	222.0 + 324.0 x 2	222.0 + 324.0 x 2	
	Net Dimensions (WxHxD)	mm	(880 x 1,695 x 765) x 2 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
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- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP (460V)			AM580JXVAJH/AZ	AM600JXVAJH/AZ	AM620JXVAJH/AZ	AM640JXVAJH/AZ	AM660JXVAJH/AZ	AM680JXVAJH/AZ	
Power Supply	Φ, #, V, Hz		3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		58.00	60.00	62.00	64.00	66.00	68.00	
	Ton		48	49.5	51.5	53	54.5	56	
	Capacity (Nominal)	Cooling	kW	163.21	168.19	173.62	179.21	184.81	190.38
		Heating	kW	183.61	189.03	195.33	201.63	207.93	214.24
Power	Power Input (Nominal)	Cooling ¹⁾	Btu/h	556,900	573,900	592,400	611,500	630,600	649,600
		Heating ²⁾	Btu/h	626,500	645,000	666,500	688,000	709,500	731,000
	Current Input (Nominal)	Cooling ¹⁾	kW	39.17	41.34	42.15	42.15	46.05	45.14
		Heating ²⁾	kW	40.78	41.90	41.20	44.30	47.40	46.40
	MCA	Cooling ¹⁾	A	54.60	57.60	53.40	58.80	64.20	63.00
		Heating ²⁾	A	56.80	58.40	57.40	61.70	66.00	64.60
COP	Nominal Cooling ¹⁾		4.17	4.07	4.54	4.25	4.01	4.22	
	Nominal Heating ²⁾		4.50	4.51	4.74	4.55	4.39	4.62	
Compressor	Type		SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	
	Output	kW x n	(4.39x2) + (6.39x2)x2	(4.39x2) + (6.39x2)x2	(6.39x2)x2 + (6.39x2)	(6.39x2) + (6.39x2)x2	(6.39x2)x3	(6.39x2)x2	
Fan	Model Name		DS-GA046FAVASG x 2 + DS-GB066FAVBSG x 4	DS-GA046FAVASG x 2 + DS-GB066FAVBSG x 4	DS-GA046FAVASG x 2 + DS-GB066FAVBSG x 4	DS-GA046FAVASG x 2 + DS-GB066FAVBSG x 4	DS-GA046FAVASG x 2 + DS-GB066FAVBSG x 4	DS-GA046FAVASG x 2 + DS-GB066FAVBSG x 4	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	
Fan	Initial Charge	cc	6200	6200	6600	6600	6600	6600	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(830.0 x 1) x 2 + (620.0 x 2) x 2	
	Air Flow Rate	CMH	255 + 290 x 2	255 + 290 x 2	265 x 2 + 290	265 + 290 x 2	290 x 3	220 x 2 + 290 x 2	
Piping Connections	External Static Pressure	Max. mmAq	8.00	8.00	8.00	8.00	8.00	8.00	
		Pa	78.45	78.45	78.45	78.45	78.45	78.45	
Piping Connections	Liquid Pipe	Φ, mm	19.05	19.05	22.22	22.22	22.22	22.22	
		Φ, inch	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	
	Gas Pipe	Φ, mm	41.28	41.28	53.98	53.98	53.98	53.98	
		Φ, inch	1 5/8"	1 5/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	
Field Wiring	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	
Refrigerant	Installation Limitation	Max. Length	200	200	200	200	200	200	
		Max. Height	110.0	110.0	110.0	110.0	110.0	110.0	
Sound ³⁾	Power Source Wire	mm ²	-	-	-	-	-	-	
	Transmission Cable	mm ²	-	-	-	-	-	-	
External Dimension	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	24.50	24.50	25.20	25.20	25.20	29.80	
	Sound Pressure	dB(A)	70.0	70.0	70.0	70.0	71.0	70.0	
	Sound Power	dB(A)	92.0	93.0	93.0	93.0	94.0	93.0	
Operating Temp. Range	Net Weight	kg	283.0 + 305.0 x 2	283.0 + 305.0 x 2	305.0 x 3	305.0 x 3	305.0 x 3	206.0 x 2 + 305.0 x 2	
	Shipping Weight	kg	302.0 + 324.0 x 2	302.0 + 324.0 x 2	324.0 x 3	324.0 x 3	324.0 x 3	222.0 x 2 + 324.0 x 2	
	Net Dimensions (WxHxD)	mm	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(880 x 1,695 x 765) x 2 + (1,295 x 1,695 x 765) x 2	
	Shipping Dimensions (WxHxD)	mm	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(948 x 1,887 x 832) x 2 + (1,363 x 1,887 x 832) x 2	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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DVMS SPECIFICATION _Outdoor Unit



DVMS

DIGITAL VARIABLE MULTI

- DD(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

DVMS HP (460V)			AM700JXVAJH/AZ	AM720JXVAJH/AZ	AM740JXVAJH/AZ	AM760JXVAJH/AZ	AM780JXVAJH/AZ	AM800JXVAJH/AZ	
Power Supply	Φ, #, V, Hz		3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		70.00	72.00	76.00	76.00	78.00	80.00	
	Ton		58	59.5	61	63	64.5	66	
	Capacity (Nominal)	Cooling		196.80	201.78	207.20	212.80	218.40	224.82
		Heating		221.42	226.84	233.14	239.44	245.74	252.92
Power	Power Input (Nominal)	Cooling ¹⁾	46.39	48.56	49.37	49.37	53.27	54.52	
		Heating ²⁾	48.18	49.30	49.40	51.70	54.80	56.58	
	Current Input (Nominal)	Cooling ¹⁾	64.70	67.70	67.80	68.90	74.30	76.00	
		Heating ²⁾	67.10	68.70	68.80	72.00	76.30	78.80	
	MCA		173.00 (MCA)	177.00 (MCA)	184.00 (MCA)	194.00 (MCA)	200.00 (MCA)	205.00 (MCA)	
	MFA		-	-	-	-	-	-	
COP	Nominal Cooling ¹⁾		4.24	4.16	4.27	4.31	4.10	4.12	
	Nominal Heating ²⁾		4.60	4.60	4.72	4.63	4.48	4.47	
Compressor	Type		SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 7	SSC Scroll x 8	
	Output		(6.39) + (4.39x2) + (6.39x2)x2	(6.39) + (4.39x2) + (6.39x2)x2	(6.39) + (4.39x2) + (6.39x2)x2	(6.39) + (6.39x2) + (6.39x2)x2	(6.39) + (6.39x2)x3	(4.39x2) + (6.39x2)x3	
Compressor	Model Name		DS-GB066FAVBSG x 5 + DS-GA046FAVASG x 2	DS-GB066FAVBSG x 5 + DS-GA046FAVASG x 2	DS-GB066FAVBSG x 5 + DS4GJ5066EVASG x 2	DS-GB066FAVBSG x 7	DS-GB066FAVBSG x 7	DS-GA046FAVASG x 2 + DS-GB066FAVBSG x 6	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	
Compressor	Initial Charge		7300	7300	11100	7700	7700	8400	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
Fan	Output x n		830.0 x 1 + (620.0 x 2) x 3	830.0 x 1 + (620.0 x 2) x 3	830.0 x 1 + (620.0 x 2) x 3	830.0 x 1 + (620.0 x 2) x 3	830.0 x 1 + (620.0 x 2) x 3	(620.0 x 2) x 4	
	Air Flow Rate		220 + 255 + 290 x 2	220 + 255 + 290 x 2	220 + 260 + 290 x 2	220 + 265 + 290 x 2	220 + 290 x 3	255 + 290 x 3	
Fan	External Static Pressure	Max.	8.00	8.00	8.00	8.00	8.00	8.00	
			78.45	78.45	78.45	78.45	78.45	78.45	
Piping Connections	Liquid Pipe	Φ, mm	22.22	22.22	22.22	22.22	22.22	22.22	
	Gas Pipe	Φ, inch	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"	
Piping Connections	Discharge Gas Pipe	Φ, mm	53.98	53.98	53.98	53.98	53.98	53.98	
	Oil Equalizing Pipe	Φ, inch	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	
Field Wiring	Power Source Wire		-	-	-	-	-	-	
	Transmission Cable		-	-	-	-	-	-	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging		31.00	31.00	31.70	31.70	31.70	32.90	
Sound ³⁾	Sound Pressure		70.0	71.0	71.0	71.0	71.0	71.0	
	Sound Power		93.0	93.0	93.0	93.0	94.0	94.0	
External Dimension	Net Weight		206.0 + 283.0 + 305.0 x 2	206.0 + 283.0 + 305.0 x 2	206.0 + 305.0 x 3	206.0 + 305.0 x 3	206.0 + 305.0 x 3	283.0 + 305.0 x 3	
	Shipping Weight		222.0 + 302.0 + 324.0 x 2	222.0 + 302.0 + 324.0 x 2	222.0 + 324.0 x 3	222.0 + 324.0 x 3	222.0 + 324.0 x 3	302.0 + 324.0 x 3	
Operating Temp. Range	Cooling		880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 4	
	Heating		948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	948 x 1,887 x 832 + (1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 4	

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- Comfortable & Reliable Operation
- New Communication Protocol



DVMS HP (460V)				AM072FXVAJH/AA	AM096FXVAJH/AA	AM120FXVAJH/AA	AM144FXVAJH/AA	AM168HXVAJH/AA	AM192HXVAJH/AA
Power Supply	Φ, #, V, Hz		3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP	HP	7.5	10	12.5	15	17.5	20	
	Ton	Ton	6	8	10	12	14	16	
	Capacity (Nominal)	Cooling	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000
		Heating	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000
Capacity (Rated)	Cooling	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000	
	Heating	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	
Power	MCA	A	16.4	19	21.7	26.4	33	37	
	MOP	A	-	-	-	-	-	-	
	Type		SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	
Compressor	Model Name		DS-GB052FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB052FAVBSG x 2	DS-GB052FAVBSG x 2	DS-GB066FAVBSG x 2	
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
Fan	Output x n	W	630.0 x 1	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	
	Air Flow Rate	CFM	7,239.78	9,182.16	9,182.16	9,535.32	10,947.96	10,947.96	
	External Static Pressure	Max	mmAq	8	8	8	8	8	
Piping Connections	Liquid Pipe		in Wg	0.31	0.31	0.31	0.31	0.31	
		Φ, mm	9.52	9.52	12.7	12.7	15.88	15.88	
	Gas Pipe	Φ, inch	3/8"	3/8"	1/2"	1/2"	5/8"	5/8"	
		Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	
Discharge Gas Pipe	Φ, inch	3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"		
	Φ, mm	-	-	-	-	-	-		
Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	
		ft	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	
	Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	
			R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	5.5	7.4	7.4	8.7	11	11	
Sound	Sound Pressure	lbs	12.13	16.31	16.31	19.18	24.25	24.25	
		dB(A)	60	61	61	62	64	64	
	Sound Power	dB(A)	77	81	81	83	85	86	
External Dimension	Net Weight	kg	193	283	283	298	325	333	
		lbs	425.49	623.91	623.91	656.98	716.5	734.14	
	Shipping Weight	kg	209	302	302	317	342	350	
Net Dimensions (WxHxD)	mm		460.77	665.8	665.8	698.87	753.98	771.62	
			880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	
	inch		34.65 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	
Shipping Dimensions (WxHxD)	mm		948 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	
	inch		37.32 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	
Operating Temp. Range	Cooling	°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	
		°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	
	Heating	°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	
		°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	

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* Refrigerant piping: 25 feet, vertical separation: 0 feet

* Cooling indoor temperature: 27°C(80°F) DB, 19°C(67°F) WB / outdoor temperature: 35°C(95°F) DB, 24°C(75°F) WB

* Heating indoor temperature: 20°C(70°F) DB, 15°C(60°F) WB / outdoor temperature: 7°C(47°F) DB, 6°C(43°F) WB

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DVMS SPECIFICATION Outdoor Unit



DVMS

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol



DVMS HP (460V)				AM216JXVAJH/AA	AM240JXVAJH/AA	AM264JXVAJH/AA	AM288JXVAJH/AA	AM312JXVAJH/AA	AM336JXVAJH/AA	AM360JXVAJH/AA
Power Supply	Φ, #, V, Hz		3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP	HP	22.5	25	27.5	30	32.5	35	37.5	40.5
	Ton	Ton	18	20	22	24	26	28	30	33
	Capacity (Nominal)	Cooling	Btu/h	216,000	240,000	264,000	288,000	312,000	336,000	360,000
		Heating	Btu/h	243,000	270,000	297,000	324,000	351,000	378,000	405,000
Capacity (Rated)	Cooling	Btu/h	206,000	228,000	252,000	276,000	298,000	320,000	344,000	360,000
	Heating	Btu/h	230,000	258,000	282,000	308,000	334,000	360,000	386,000	412,000
Power	MCA	A	42.8	49.4	53.4	52.8	59.4	66	70	75
	MOP	A	-	-	-	-	-	-	-	-
Compressor	Type		SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
	Model Name		DS-GB052FAVBSG x 3	DS-GB052FAVBSG x 3	DS-GB052FAVBSG x 1 + DS-GB066FAVBSG x 2	DS-GB052FAVBSG x 4	DS-GB052FAVBSG x 4	DS-GB052FAVBSG x 4	DS-GB052FAVBSG x 4	DS-GB052FAVBSG x 2 + DS-GB066FAVBSG x 2
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE	PVE
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
	Output x n	W	630.0 x 1 + 620.0 x 2	630.0 x 1 + 620.0 x 2	630.0 x 1 + 620.0 x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
	Air Flow Rate	CFM	7,239.78 + 9,535.32	7,239.78 + 10,947.96	7,239.78 + 10,947.96	9,535.32 x 2	9,535.32 + 10,947.96	10,947.96 x 2	10,947.96 x 2	10,947.96 x 2
	External Static Pressure	Max.	mmAq	8	8	8	8	8	8	8
Piping Connections			in Wg	0.31	0.31	0.31	0.31	0.31	0.31	0.31
	Liquid Pipe	Φ, mm	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05
		Φ, inch	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
	Gas Pipe	Φ, mm	28.58	28.58	34.92	34.92	34.92	34.92	34.92	41.28
Refrigerant			Φ, inch	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 5/8"
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	-	-
		Φ, inch	-	-	-	-	-	-	-	-
	Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)
Sound			ft	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)
			m	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)
			ft	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)
	Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Factory Charging	kg		14.2	16.5	16.5	17.4	19.7	22	22	22
	lbs		31.31	36.38	36.38	38.36	43.43	48.5	48.5	48.5
Sound Pressure	dB(A)		64	65	65	65	66	66	66	66
	dB(A)		84	86	87	86	87	88	88	87
External Dimension	Net Weight	kg	298.0 + 193.0	193.0 + 325.0	193.0 + 333.0	298.0 x 2	298.0 + 325.0	325.0 x 2	325.0 + 333.0	325.0 + 333.0
		lbs	656.98 + 425.49	425.49 + 716.50	425.49 + 734.14	656.98 x 2	656.98 + 716.50	716.50 x 2	716.50 + 734.14	716.50 + 734.14
	Shipping Weight	kg	317.0 + 209.0	209.0 + 342.0	209.0 + 350.0	317.0 x 2	317.0 + 342.0	342.0 x 2	342.0 + 350.0	342.0 + 350.0
		lbs	698.87 + 460.77	460.77 + 753.98	460.77 + 771.62	698.87 x 2	698.87 + 753.98	753.98 x 2	753.98 + 771.62	753.98 + 771.62
Net Dimensions (WxHxD)		mm	1,295 x 1,695 x 765 + 880 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
		inch	50.98 x 66.73 x 30.12 + 34.65 x 66.73 x 30.12	34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12	34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2
		mm	1,363 x 1,887 x 832 + 948 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2
Shipping Dimensions (WxHxD)		inch	53.66 x 74.29 x 32.76 + 37.32 x 74.29 x 32.76	37.32 x 74.29 x 32.76 + 53.66 x 74.29 x 32.76	37.32 x 74.29 x 32.76 + 53.66 x 74.29 x 32.76	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2
		°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9
	Heating	°C	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0

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 * Heating indoor temperature: 20°C(70°F) DB, 15°C(60°F) WB / outdoor temperature: 7°C(47°F) DB, 6°C(43°F) WB
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DVMS SPECIFICATION Outdoor Unit



DVMS

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol



DVMS HP (460V)				AM384JXVAJH/AA	AM408JXVAJH/AA	AM432JXVAJH/AA	AM456JXVAJH/AA	AM480JXVAJH/AA	AM504JXVAJH/AA	AM528JXVAJH/AA
Power Supply	Φ, #, V, Hz		3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Performance	HP	HP	40	42.5	45	47.5	50	52.5	55	58
	Ton	Ton	32	34	36	38	40	42	44	46
	Capacity (Nominal)	Cooling	Btu/h	384,000	408,000	432,000	456,000	480,000	504,000	528,000
		Heating	Btu/h	432,000	459,000	486,000	513,000	540,000	567,000	594,000
Capacity (Rated)	Cooling	Btu/h	366,000	390,000	415,000	435,000	455,000	480,000	500,000	520,000
	Heating	Btu/h	410,000	435,000	460,000	490,000	510,000	535,000	560,000	590,000
Power	MCA	A	74	79.8	79.2	87.7	92.4	99	103	107
	MOP	A	-	-	-	-	-	-	-	-
	Type		SSC Scroll x 4	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
Compressor	Model Name		DS-GB066FAVBSG x 4	DS-GB052FAVBSG x 3 + DS-GB066FAVBSG x 2	DS-GB052FAVBSG x 6	DS-GB066FAVBSG x 1 + DS-GB052FAVBSG x 4	DS-GB052FAVBSG x 6	DS-GB052FAVBSG x 6	DS-GB052FAVBSG x 6	DS-GB052FAVBSG x 4 + DS-GB066FAVBSG x 2
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE	PVE
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
Fan	Output x n	W	(620.0 x 2) x 2	630.0 x 1 + (620.0 x 2) x 2	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate	CFM	10,947.96 x 2	7,239.78 + 9,535.32 + 10,947.96	9,535.32 x 3	9,182.16 + 10,947.96 x 2	9,535.32 + 10,947.96 x 2	10,947.96 x 3	10,947.96 x 3	10,947.96 x 3
	External Static Pressure	Max.	mmAq	8	8	8	8	8	8	8
			In Wg	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Liquid Pipe	Φ, mm		19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Φ, inch		3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Gas Pipe	Φ, mm		41.28	41.28	41.28	41.28	41.28	41.28	41.28	41.28
	Φ, inch		1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"	1 5/8"
Piping Connections	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	-	-
		Φ, inch	-	-	-	-	-	-	-	-
	Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)
			ft	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)
	Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)	
		ft	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging	kg	22	25.2	26.1	29.4	30.7	33	33	33
Sound	Sound Pressure	dB(A)	48.5	55.56	57.54	64.82	67.68	72.75	72.75	72.75
	Sound Power	dB(A)	67	67	67	67	67	68	68	68
External Dimension	Net Weight	kg	333.0 x 2	298.0 + 193.0 + 333.0	298.0 x 3	283.0 + 325.0 x 2	298.0 + 325.0 x 2	325.0 x 3	325.0 x 3	325.0 x 2 + 333.0
		lbs	734.14 x 2	656.98 + 425.49 + 734.14	656.98 x 3	623.91 + 716.50 x 2	656.98 + 716.50 x 2	716.50 x 3	716.50 x 3	716.50 x 2 + 734.14
	Shipping Weight	kg	350.0 x 2	317.0 + 209.0 + 350.0	317.0 x 3	302.0 + 342.0 x 2	317.0 + 342.0 x 2	342.0 x 3	342.0 x 3	342.0 x 2 + 350.0
		lbs	771.62 x 2	698.87 + 460.77 + 771.62	698.87 x 3	665.80 + 753.98 x 2	698.87 + 753.98 x 2	753.98 x 3	753.98 x 3	753.98 x 2 + 771.62
	Net Dimensions (WxHxD)	mm		(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3
		inch		(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2 + 34.65 x 66.73 x 30.12	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3
Shipping Dimensions (WxHxD)	mm		(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	
	inch		(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2 + 37.32 x 74.29 x 32.76	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	
Operating Temp. Range	Cooling	°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0
		°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9
	Heating	°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0
		°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9

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 * Heating indoor temperature: 20°C(70°F) DB, 15°C(60°F) WB / outdoor temperature: 7°C(47°F) DB, 6°C(43°F) WB
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DVMS SPECIFICATION Outdoor Unit

60Hz



DVMS

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol



DVMS HR (460V)				AM072FXVAJR/AA	AM096FXVAJR/AA	AM120FXVAJR/AA	AM144FXVAJR/AA	AM168HXVAJR/AA	AM192HXVAJR/AA
Power Supply	Φ, #, V, Hz		3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60
Mode			HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP	HP	7.5	10	12.5	15	17.5	20	20
	Ton	Ton	6	8	10	12	14	16	16
	Capacity (Nominal)	Cooling	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000
		Heating	Btu/h	81,000	108,000	135,000	162,000	189,000	216,000
Capacity (Rated)	Cooling	Btu/h	69,000	92,000	114,000	138,000	160,000	184,000	184,000
	Heating	Btu/h	77,000	103,000	129,000	154,000	180,000	206,000	206,000
Power	MCA	A	16.4	19	21.7	26.4	33	37	37
	MOP	A	-	-	-	-	-	-	-
	Type		SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2	SSC Scroll x 2
Compressor	Model Name		DS-GB052FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB066FAVBSG x 1	DS-GB052FAVBSG x 2	DS-GB052FAVBSG x 2	DS-GB052FAVBSG x 2	DS-GB066FAVBSG x 2
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
Fan	Output x n	W	630.0 x 1	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2	620.0 x 2
	Air Flow Rate	CFM	7,239.78	9,182.16	9,182.16	9,535.32	10,947.96	10,947.96	10,947.96
	External Static Pressure	Max.	mmAq	8	8	8	8	8	8
Piping Connections		in Wg	0.31	0.31	0.31	0.31	0.31	0.31	0.31
	Liquid Pipe	Φ, mm	9.52	9.52	12.7	12.7	15.88	15.88	15.88
		Φ, inch	3/8"	3/8"	1/2"	1/2"	5/8"	5/8"	5/8"
	Gas Pipe	Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	28.58
		Φ, inch	3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
	Discharge Gas Pipe	Φ, mm	15.88	19.05	22.22	22.22	22.22	22.22	28.58
	Φ, inch	5/8"	3/4"	7/8"	7/8"	7/8"	7/8"	1 1/8"	
Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)
		ft	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)
	Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)
	ft	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging	kg	5.5	7.4	7.4	8.7	11	11	11
	lbs	12.13	16.31	16.31	19.18	24.25	24.25	24.25	
Sound	Sound Pressure	dB(A)	60	61	61	62	64	64	64
	Sound Power	dB(A)	77	81	81	83	85	86	86
External Dimension	Net Weight	kg	193	283	283	298	325	333	333
		lbs	425.49	623.91	623.91	656.98	716.5	734.14	734.14
	Shipping Weight	kg	209	302	302	317	342	350	350
	lbs	460.77	665.8	665.8	698.87	753.98	771.62	771.62	
Net Dimensions (WxHxD)		mm	880 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
		inch	34.65 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12	50.98 x 66.73 x 30.12
	Shipping Dimensions (WxHxD)	mm	948 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832	1,363 x 1,887 x 832
	inch	37.32 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	53.66 x 74.29 x 32.76	
Operating Temp. Range	Cooling	°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0
		°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9
	Heating	°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0
		°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9

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DVMS SPECIFICATION Outdoor Unit



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DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter)
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol



DVMS HR (460V)

Model Code			AM216JXVAJR/AA	AM240JXVAJR/AA	AM264JXVAJR/AA	AM288JXVAJR/AA	AM312JXVAJR/AA	AM336JXVAJR/AA	AM360JXVAJR/AA
Power Supply	Φ, #, V, Hz		3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60
Mode			HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP		22.5	25	27.5	30	32.5	35	37.5
	Ton		18	20	22	24	26	28	30
	Capacity (Nominal)	Cooling	216,000	240,000	264,000	288,000	312,000	336,000	360,000
		Heating	243,000	270,000	297,000	324,000	351,000	378,000	405,000
Capacity (Rated)	Cooling		206,000	228,000	252,000	276,000	298,000	320,000	344,000
	Heating		230,000	258,000	282,000	308,000	334,000	360,000	386,000
Power	MCA	A	42.8	49.4	53.4	52.8	59.4	66	70
	MOP	A	-	-	-	-	-	-	-
	Type		SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 3	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4	SSC Scroll x 4
Compressor	Model Name		DS-GB052FAVBSG x 3	DS-GB052FAVBSG x 3	DS-GB052FAVBSG x 1 + DS-GB066FAVBSG x 2	DS-GB052FAVBSG x 4	DS-GB052FAVBSG x 4	DS-GB052FAVBSG x 4	DS-GB052FAVBSG x 2 + DS-GB066FAVBSG x 2
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
Fan	Output x n	W	630.0 x 1 + 620.0 x 2	630.0 x 1 + 620.0 x 2	630.0 x 1 + 620.0 x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2	(620.0 x 2) x 2
	Air Flow Rate	CFM	7,239.78 + 9,535.32	7,239.78 + 10,947.96	7,239.78 + 10,947.96	9,535.32 x 2	9,535.32 + 10,947.96	10,947.96 x 2	10,947.96 x 2
	External Static Pressure	Max.	mmAq	8	8	8	8	8	8
Piping Connections		in Wg	0.31	0.31	0.31	0.31	0.31	0.31	0.31
	Liquid Pipe	Φ, mm	15.88	15.88	19.05	19.05	19.05	19.05	19.05
		Φ, inch	5/8"	5/8"	3/4"	3/4"	3/4"	3/4"	3/4"
	Gas Pipe	Φ, mm	28.58	28.58	34.92	34.92	34.92	34.92	41.28
		Φ, inch	1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 5/8"
	Discharge Gas Pipe	Φ, mm	28.58	28.58	28.58	28.58	28.58	28.58	34.92
	Φ, inch	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"	
Installation Limitation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)
		ft	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)
	Max. Height	m	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)	110(40)
	ft	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)	361(131)	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging	kg	14.2	16.5	16.5	17.4	19.7	22	22
Sound		lbs	31.31	36.38	36.38	38.36	43.43	48.5	48.5
	Sound Pressure	dB(A)	64	65	65	65	66	66	66
	Sound Power	dB(A)	84	86	87	86	87	88	87
External Dimension	Net Weight	kg	298.0 + 193.0	193.0 + 325.0	193.0 + 333.0	298.0 x 2	298.0 + 325.0	325.0 x 2	325.0 + 333.0
		lbs	656.98 + 425.49	425.49 + 716.50	425.49 + 734.14	656.98 x 2	656.98 + 716.50	716.50 x 2	716.50 + 734.14
	Shipping Weight	kg	317.0 + 209.0	209.0 + 342.0	209.0 + 350.0	317.0 x 2	317.0 + 342.0	342.0 x 2	342.0 + 350.0
		lbs	698.87 + 460.77	460.77 + 753.98	460.77 + 771.62	698.87 x 2	698.87 + 753.98	753.98 x 2	753.98 + 771.62
	Net Dimensions (WxHxD)	mm	1,295 x 1,695 x 765 + 880 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	880 x 1,695 x 765 + 1,295 x 1,695 x 765	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2
		inch	50.98 x 66.73 x 30.12 + 34.65 x 66.73 x 30.12	34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12	34.65 x 66.73 x 30.12 + 50.98 x 66.73 x 30.12	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2
Shipping Dimensions (WxHxD)	mm	1,363 x 1,887 x 832 + 948 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	948 x 1,887 x 832 + 1,363 x 1,887 x 832	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2	
	inch	53.66 x 74.29 x 32.76 + 37.32 x 74.29 x 32.76	37.32 x 74.29 x 32.76 + 53.66 x 74.29 x 32.76	37.32 x 74.29 x 32.76 + 53.66 x 74.29 x 32.76	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2	
Operating Temp. Range	Cooling	°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0
		°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9
	Heating	°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0
		°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9

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DVMS HR (460V)				AM384JXVAJR/AA	AM408JXVAJR/AA	AM432JXVAJR/AA	AM456JXVAJR/AA	AM480JXVAJR/AA	AM504JXVAJR/AA	AM528JXVAJR/AA
Power Supply	Φ, #, V, Hz		3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60	3,3,460,60
Mode			HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP	HP	40	42.5	45	47.5	50	52.5	55	58
	Ton	Ton	32	34	36	38	40	42	44	46
	Capacity (Nominal)	Cooling	Btu/h	384,000	408,000	432,000	456,000	480,000	504,000	528,000
		Heating	Btu/h	432,000	459,000	486,000	513,000	540,000	567,000	594,000
Capacity (Rated)	Cooling	Btu/h	366,000	390,000	415,000	435,000	455,000	480,000	500,000	520,000
	Heating	Btu/h	410,000	435,000	460,000	490,000	510,000	535,000	560,000	580,000
Power	MCA	A	74	79.8	79.2	87.7	92.4	99	103	107
	MOP	A	-	-	-	-	-	-	-	-
	Type		SSC Scroll x 4	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 5	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6	SSC Scroll x 6
Compressor	Model Name		DS-GB066FAVBSG x 4	DS-GB052FAVBSG x 3 + DS-GB066FAVBSG x 2	DS-GB052FAVBSG x 6	DS-GB066FAVBSG x 1 + DS-GB052FAVBSG x 4	DS-GB052FAVBSG x 6	DS-GB052FAVBSG x 6	DS-GB052FAVBSG x 6	DS-GB052FAVBSG x 4 + DS-GB066FAVBSG x 2
	Oil	Type	PVE	PVE	PVE	PVE	PVE	PVE	PVE	PVE
	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
Fan	Output x n	W	(620.0 x 2) x 2	630.0 x 1 + (620.0 x 2) x 2	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3	(620.0 x 2) x 3
	Air Flow Rate	CFM	10,947.96 x 2	7,239.78 + 9,535.32 + 10,947.96	9,535.32 x 3	9,182.16 + 10,947.96 x 2	9,535.32 + 10,947.96 x 2	10,947.96 x 3	10,947.96 x 3	10,947.96 x 3
	External Static Pressure	Max.	mmAq	8	8	8	8	8	8	8
Piping Connections										
	Liquid Pipe	Φ, mm	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	Gas Pipe	Φ, mm	41.28	41.28	41.28	41.28	41.28	41.28	41.28	41.28
Installation Limitation										
	Discharge Gas Pipe	Φ, mm	34.92	34.92	34.92	34.92	34.92	34.92	34.92	34.92
		Φ, inch	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"
Refrigerant										
	Installation	Max. Length	m	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)	200(220)
	Limitation	Max. Height	ft	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)	656(722)
Sound										
	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Factory Charging	kg	22	25.2	26.1	29.4	30.7	33	33	33
External Dimension										
	Net Weight	kg	333.0 x 2	298.0 + 193.0 + 333.0	298.0 x 3	283.0 + 325.0 x 2	298.0 + 325.0 x 2	325.0 x 3	325.0 x 2 + 333.0	325.0 x 2 + 333.0
	Shipping Weight	lbs	734.14 x 2	656.98 + 425.49 + 734.14	656.98 x 3	623.91 + 716.50 x 2	656.98 + 716.50 x 2	716.50 x 3	716.50 x 2 + 734.14	716.50 x 2 + 734.14
Operating Temp. Range										
	Shipping Weight	kg	350.0 x 2	317.0 + 209.0 + 350.0	317.0 x 3	302.0 + 342.0 x 2	317.0 + 342.0 x 2	342.0 x 3	342.0 x 2 + 350.0	342.0 x 2 + 350.0
	Shipping Dimensions (WxHxD)	mm	771.62 x 2	698.87 + 460.77 + 771.62	698.87 x 3	665.80 + 753.98 x 2	698.87 + 753.98 x 2	753.98 x 3	753.98 x 2 + 771.62	753.98 x 2 + 771.62
Operating Temp. Range										
	Net Dimensions (WxHxD)	mm	(1,295 x 1,695 x 765) x 2	(1,295 x 1,695 x 765) x 2 + 880 x 1,695 x 765	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3	(1,295 x 1,695 x 765) x 3
	Shipping Dimensions (WxHxD)	inch	(50.98 x 66.73 x 30.12) x 2	(50.98 x 66.73 x 30.12) x 2 + 34.65 x 66.73 x 30.12	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3	(50.98 x 66.73 x 30.12) x 3
Operating Temp. Range										
	Shipping Dimensions (WxHxD)	mm	(1,363 x 1,887 x 832) x 2	(1,363 x 1,887 x 832) x 2 + 948 x 1,887 x 832	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3	(1,363 x 1,887 x 832) x 3
	Shipping Dimensions (WxHxD)	inch	(53.66 x 74.29 x 32.76) x 2	(53.66 x 74.29 x 32.76) x 2 + 37.32 x 74.29 x 32.76	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3	(53.66 x 74.29 x 32.76) x 3
Operating Temp. Range										
	Cooling	°F	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0	23.0 ~ 120.0
		°C	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9	-5.0 ~ 48.9
Operating Temp. Range										
	Heating	°F	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0	-13.0 ~ 75.0
		°C	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9	-25.0 ~ 23.9

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DVMS WATER

DIGITAL VARIABLE MULTI

- DDI(Dual Digital Inverter) System
- High-Efficient Plate Heat Exchanger
- Long Pipe Length
- Saving Installation Space
- Auto Commissioning Manager
- Optimal Water Flow Controller
- Simultaneous Cooling and Heating
- Geothermal Application



DVM S HP (460V)				
Model Code	DVM S HP	AM216KXVGJH/AA		
Power Supply	Φ, #, V, Hz	3,3.460.60		
Mode		HEAT PUMP		
Performance	HP	HP	22.50	
		kW	63.30	
	Capacity (Nominal)	Cooling	Btu/h	216,000
		Heating	kW	71.22
Power	Power Input (Nominal)	Cooling ¹⁾	kW	18.40
		Heating ²⁾	kW	16.44
	Current Input (Nominal)	Cooling ¹⁾	A	25.10
		Heating ²⁾	A	22.40
COP	MCA	MCA	42.80(MCA)	
		MFA	60.00	
	Nominal Cooling ¹⁾	-	3.44	
		Nominal Heating ²⁾	-	4.33
Compressor	Type	Type	SSC Scroll x 2	
		Output	kW x n	(6.39x2)
	Model Name	-	DS-GB066FAVB x 2	
		Oil	Type	PVE
Fan	Output x n	Initial Charge	cc	2200
		Type	-	Propeller
	Air Flow Rate	Output x n	W	620.0 x 2
		CMM	340	
Piping Connections	External Static Pressure	Max.	mmAq	8.00
		Pa	78.45	
	Liquid Pipe	Φ, mm	15.88	
		Φ, inch	5/8"	
Gas Pipe	Φ, mm	28.58		
	Φ, inch	1 1/8"		
Field Wiring	Discharge Gas Pipe	Φ, mm	-	
		Φ, inch	-	
	Oil Equalizing Pipe	Φ, mm	-	
		Φ, inch	-	
Refrigerant	Installation Limitation	Max. Length	m	200
		Max. Height	m	110.0
	Power Source Wire	mm ²	-	
		Transmission Cable	mm ²	-
Sound ³⁾	Type	Type	-	R410A
		Factory Charging	kg	12.50
	Sound Pressure	dB(A)	66.0	
		Sound Power	dB(A)	89.0
External Dimension	Net Weight	kg	340.0	
		kg	362.0	
	Net Dimensions (WxHxD)	mm	1,295 x 1,795 x 765	
		Shipping Dimensions (WxHxD)	mm	1,363 x 1,987 x 832
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.9	
	Heating	°C	-25.0 ~ 23.9	

DVM S WATER				
Model Code	DVM S WATER	AM072HXWAFR/AA		
Power Supply	Φ, #, V, Hz	3,3.208-230.60		
Mode		H/P, H/R		
Performance	HP	HP	7.50	
		TON	6.00	
	Capacity (Nominal)	Cooling	kW	21.10
		Heating	Btu/h	72,000
Power	Power Input (Nominal)	Cooling ¹⁾	kW	81,000
		Heating ²⁾	kW	23.74
	Current Input (Nominal)	Cooling ¹⁾	Btu/h	81,000
		Heating ²⁾	kW	3.15
COP	MCA	MCA	3.52	
		MFA	25.00	
	Nominal Cooling ¹⁾	-	6.70	
		Nominal Heating ²⁾	-	6.74
Compressor	Type	Type	-	
		Output	kW x n	-
	Model Name	-	-	
		Oil	Type	-
Condenser	Initial Charge	Initial Charge	cc	-
		Type	-	PHE(Stainless Steel Plate)
	Pipe Size	Φ, inch	32.0	
		Lost Head	kPa	22.0
Water Flow Rate	LPM	80.0		
	Max. Pressure	Mpa	1.96	
Piping Connections	Liquid Pipe	Φ, mm	9.52	
		Φ, inch	3/8"	
	Gas Pipe	Φ, mm	19.05	
		Φ, inch	3/4"	
Field Wiring	Discharge Gas Pipe (H/R only)	Φ, mm	15.88	
		Φ, inch	5/8"	
	Oil Equalizing Pipe	Φ, mm	-	
		Φ, inch	-	
Refrigerant	Installation Limitation	Max. Length	m	170
		Max. Height	m	50.0
	Power Source Wire	mm ²	-	
		Transmission Cable	mm ²	-
Sound ³⁾	Type	Type	-	R410A
		Factory Charging	kg	5.50
	Sound Pressure	dB(A)	48.0 / 48.0	
		Sound Power	dB(A)	70.0
External Dimension	Net Weight	kg	160.0	
		kg	167.0	
	Net Dimensions (WxHxD)	mm	770 x 1,000 x 545	
		Shipping Dimensions (WxHxD)	mm	840 x 1,200 x 620
Operating Temp. Range	Cooling	°C	10.0 ~ 45.0	
	Heating	°C	10.0 ~ 45.0	

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 * If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.
 1) Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.
 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.
 ※ If outdoor unit is located in a higher position than indoor unit, level difference is 110m or under. Of the level difference is higher than 50m, make a decision simulating by PDM kit installation guide software whether the PDM kit should be installed or not)

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DVMS SPECIFICATION _Outdoor Unit

60Hz



DVMS WATER

DIGITAL VARIABLE MULTI

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DVMS WATER			AM096HXWAFR/AA	AM120HXWAFR/AA	AM192HXWAFR/AA	AM072HXWAJR/AA	AM096HXWAJR/AA	
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.3,460,60	3.3,460,60	
Mode			H/P, H/R	H/P, H/R	H/P, H/R	H/P, H/R	H/P, H/R	
Performance	HP		10.00	12.50	20.00	7.50	10.00	
	Ton		8.00	10.00	16.00	6.00	8.00	
	Capacity (Nominal)	Cooling	kW	28.13	35.17	56.27	21.10	28.13
		Heating	Btu/h	96,000	120,000	192,000	72,000	96,000
Power	Power Input (Nominal)	Cooling ¹⁾	kW	31.65	39.56	63.30	23.74	31.65
		Heating ²⁾	Btu/h	108,000	135,000	216,000	81,000	108,000
	Current Input (Nominal)	Cooling ¹⁾	kW	4.27	8.50	15.20	3.15	4.27
		Heating ²⁾	A	4.79	8.19	13.39	3.52	4.79
MCA			23.00 (MCA)	30.00 (MCA)	39.60 (MCA)	10.00 (MCA)	11.00 (MCA)	
	MFA	A	40.00	50.00	50.00	15.00	15.00	
COP	Nominal Cooling ¹⁾		6.59	4.14	3.70	6.70	6.59	
	Nominal Heating ²⁾		6.61	4.83	4.73	6.74	6.61	
Compressor	Type		-	-	-	-	-	
	Output	kW x n	-	-	-	-	-	
	Model Name		-	-	-	-	-	
Oil	Type		-	-	-	-	-	
	Initial Charge	cc	-	-	-	-	-	
Condenser	Type		PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	
	Pipe Size	Φ, inch	32.0	32.0	32.0	32.0	32.0	
	Lost Head	kPa	30.0	43.0	54.0	22.0	30.0	
	Water Flow Rate	LPM	96.0	114.0	190.0	80.0	96.0	
	Max. Pressure	Mpa	1.96	1.96	1.96	1.96	1.96	
Piping Connections	Liquid Pipe	Φ, mm	9.52	12.70	15.88	9.52	9.52	
	Gas Pipe	Φ, inch	3/8"	1/2"	5/8"	3/8"	3/8"	
		Φ, mm	22.22	28.58	28.58	19.05	22.22	
	Discharge Gas Pipe (H/R only)	Φ, inch	7/8"	1 1/8"	1 1/8"	3/4"	7/8"	
		Φ, mm	19.05	22.22	28.58	15.88	19.05	
Oil Equalizing Pipe	Φ, inch	3/4"	7/8"	1 1/8"	5/8"	3/4"		
Installation Limitation	Max. Length	m	170	170	170	170	170	
	Max. Height	m	50.0	50.0	50.0	50.0	50.0	
Field Wiring	Power Source Wire	mm ²	-	-	-	-	-	
	Transmission Cable	mm ²	-	-	-	-	-	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	5.80	6.00	9.80	5.50	5.80	
Sound ³⁾	Sound Pressure	dB(A)	48.0 / 48.0	50.0 / 50.0	-	48.0 / 48.0	48.0 / 48.0	
	Sound Power	dB(A)	70.0	70.0	-	70.0	70.0	
External Dimension	Net Weight	kg	160.0	160.0	240.0	167.0	167.0	
	Shipping Weight	kg	167.0	167.0	250.0	174.0	174.0	
	Net Dimensions (WxHxD)	mm	770 x 1,000 x 545	770 x 1,000 x 545	1,100 x 1,000 x 545	790 x 1,000 x 545	790 x 1,000 x 545	
Shipping Dimensions (WxHxD)	mm	840 x 1,200 x 620	840 x 1,200 x 620	1,170 x 1,200 x 620	840 x 1,200 x 620	840 x 1,200 x 620		
Operating Temp. Range	Cooling	°C	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	
	Heating	°C	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	10.0 ~ 45.0	

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 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

DVMS SPECIFICATION _Outdoor Unit

60Hz



DVMS WATER

DIGITAL VARIABLE MULTI

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DVMS WATER			AM120HXWJR/AA	AM192HXWJR/AA	AM080FXWANR/EU	AM100FXWANR/EU	AM120FXWANR/EU	AM200FXWANR/EU	
Power Supply	Φ, #, V, Hz		3,3,460,60	3,3,460,60	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	
Mode			H/P, H/R	H/P, H/R	H/P, H/R	H/P, H/R	H/P, H/R	H/P, H/R	
Performance	HP		12.50	20.00	8.00	10.00	12.00	20.00	
	Ton		10.00	16	6.5	8	10	16.5	
	Capacity (Nominal)	Cooling	kW	35.17	56.27	22.40	28.00	33.60	56.00
		Heating	kW	39.56	63.30	25.20	31.50	37.80	63.00
Power	Power Input (Nominal)	Cooling ¹⁾	Btu/h	120,000	192,000	76,400	95,500	114,600	191,100
		Heating	Btu/h	135,000	216,000	86,000	107,500	129,000	215,000
	Current Input (Nominal)	Cooling ¹⁾	kW	6.99	15.20	3.84	5.05	6.46	10.77
		Heating ²⁾	kW	7.49	13.39	4.12	5.25	6.51	10.86
COP	Nominal Cooling ¹⁾		A	-	-	6.20	8.10	10.30	17.30
			A	-	-	6.60	8.40	10.40	17.40
Compressor	MCA				16.30 (MCA)	20.00 (MCA)	25.00 (MCA)	39.80 (MCA)	
					20.00	20.00	30.00	40.00	
Compressor	MFA				20.00	20.00	30.00	40.00	
					5.03	3.70	5.20	5.20	
Compressor	Nominal Heating ²⁾				6.12	6.00	5.81	5.80	
					-	-	-	-	
Compressor	Type				SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 2	
					(4.96)	(4.96)	(6.13)	(4.96x2)	
Compressor	Model Name				DS-GB052FAVB x 1	DS-GB052FAVB x 1	DS-GB052FAVB x 1	DS-GB052FAVB x 2	
					PVE	PVE	PVE	PVE	
Compressor	Oil				2300	2300	2300	4600	
					PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	PHE(Stainless Steel Plate)	
Compressor	Initial Charge				32.0	32.0	32.0	32.0	
					43.0	54.0	30.0	43.0	
Compressor	Type				114.0	190.0	114.0	190.0	
					1.96	1.96	1.96	1.96	
Compressor	Pipe Size				12.70	15.88	9.52	12.70	
					1/2"	5/8"	3/8"	1/2"	
Compressor	Lost Head				28.58	28.58	22.22	28.58	
					11/8"	11/8"	7/8"	11/8"	
Compressor	Water Flow Rate				22.22	28.58	19.05	28.58	
					7/8"	11/8"	3/4"	3/4"	
Compressor	Max. Pressure				-	-	-	-	
					170	170	170	170	
Compressor	Liquid Pipe				170	50.0	50.0	50.0	
					50.0	50.0	50.0	50.0	
Compressor	Gas Pipe				2.5	2.5	4.0	4.0	
					0.75~1.25	0.75~1.25	0.75~1.25	0.75~1.25	
Compressor	Discharge Gas Pipe (H/R only)				R410A	R410A	R410A	R410A	
					6.00	9.80	5.80	6.00	
Compressor	Oil Equalizing Pipe				50.0 / 50.0	51.0 / 51.0	48.0	50.0	
					70.0	70.0	70.0	70.0	
Compressor	Type				167.0	247.0	160.0	240.0	
					174.0	257.0	167.0	167.0	
Compressor	Net Weight				790 x 1,000 x 545	1,120 x 1,000 x 545	770 x 1,000 x 545	770 x 1,000 x 545	
					840 x 1,200 x 620	1,170 x 1,200 x 620	840 x 1,200 x 620	840 x 1,200 x 620	
Compressor	Shipping Weight				10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	
					10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	
Compressor	Net Dimensions (WxHxD)				10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	
					10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	
Compressor	Shipping Dimensions (WxHxD)				10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	
					10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	
Compressor	Operating Temp. Range				10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	
					10.0~45.0	10.0~45.0	10.0~45.0	10.0~45.0	

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 2) Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

DVMS SPECIFICATION _Outdoor Unit



DVMS Eco

DIGITAL VARIABLE MULTI

- Top-class Energy Efficiency
- Small Footprint and Volume
- Flexible Piping Design
- Low Noise Level
- New Communication Protocol

DVM S ECO (220V)			AM036FXMDCH/AA	AM048FXMDCH/AA	AM053FXMDCH/AA	AM040HXMDBC/TC	AM050HXMDBC/TC	AM060HXMDBC/TC	AM080FXMDGC/EA	
Power Supply	Φ, #, V, Hz		1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,220,60	1,2,220,60	1,2,220,60	3,4,380-415,50/60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY	
Performance	HP		4.00	5.00	6.00	4.00	5.00	6.00	8.00	
	Ton		3	4	5	3	4	5	6.5	
	Capacity (Nominal)	Cooling	kW	11.14	14.07	15.53	11	14.5	16	22.4
		Heating	Btu/h	38,000	48,000	53,000	37,500	49,500	54,600	76,400
Power	Power Input (Nominal)	Cooling ¹⁾	kW	12.31	15.83	17.88	-	-	-	-
		Heating ²⁾	Btu/h	42,000	54,000	61,000	-	-	-	-
	Current Input (Nominal)	Cooling ¹⁾	A	3.1	4.2	5.3	2.8	3.9	4.2	5.72
		Heating ²⁾	kW	3.4	4.4	5.39	-	-	-	-
MCA			23.00 (MCA)	29.00 (MCA)	34.00 (MCA)	22.00 (Max)	24.00 (Max)	32.00 (Max)	18.00 (MCA)	
	MFA	A	40	50	55	30	30	40	25	
COP	Nominal Cooling ¹⁾	-	3.59	3.35	2.93	3.93	3.72	3.81	3.92	
	Nominal Heating ²⁾	-	3.62	3.6	3.32	-	-	-	-	
Compressor	Type		Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	SSC Scroll x 1	
	Output	kW x n	-4.12	-4.12	-4.12	-4.12	-4.12	-4.12	-4.96	
Oil	Model Name		UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	UGST450FUEJXSG x 1	DS-GB052FAVADO x 1	
	Initial Charge	cc	1700	1700	1700	1700	1700	1700	1100	
Fan	Type		Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller / BLDC	Propeller	
	Output x n	W	125.0 x 2	125.0 x 2	125.0 x 2	125.0 x 1	125.0 x 1	125.0 x 2	180.0 x 2	
	Air Flow Rate	CMM	110	110	110	60	60	100	135	
	External Static Pressure	Max. mmAq	1,833.33	1,833.33	1,833.33	1,000.00	1,000.00	1,666.67	2,250.00	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	9.52	9.52	9.52	9.52	
		Φ, inch	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	
	Gas Pipe	Φ, mm	15.88	15.88	19.05	15.88	15.88	19.05	19.05	
		Φ, inch	5/8"	5/8"	3/4"	5/8"	5/8"	3/4"	3/4"	
	Discharge Gas Pipe	Φ, mm	-	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	-	
	Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-	-	
		Φ, inch	-	-	-	-	-	-	-	
Installation Limitation	Max. Length	m	150	150	150	70	70	150	100	
	Max. Height	m	50	50	50	30	30	50	30	
Field Wiring	Power Source Wire	mm ²	-	-	-	CV 2.5~4.0	CV 2.5~4	CV 4.0~6	-	
	Transmission Cable	mm ²	-	-	-	VCTF 0.75~1.5	VCTF 0.75~1.5	VCTF 0.75~1.5	0.75~1.5	
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charging	kg	3.2	3.2	2	2	2.8	3.7		
Sound ³⁾	Sound Pressure	dB(A)	50	51	53	-	-	-	56	
	Sound Power	dB(A)	-	-	-	-	-	-	-	
External Dimension	Net Weight	kg	100	100	103	76	76	95	134	
	Shipping Weight	kg	105	105	108	79	79	105	139	
	Net Dimensions (WxHxD)	mm	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330	940 x 998 x 330	940 x 998 x 330	940 x 1,210 x 330	940 x 1,420 x 330	
Operating Temp. Range	Shipping Dimensions (WxHxD)	mm	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,136 x 426	995 x 1,136 x 426	995 x 1,338 x 426	995 x 1,578 x 426	
	Cooling	°C	-5.0~47.8	-5.0~47.8	-5.0~47.8	-5.0~48.0	-5.0~48.0	-5.0~48.0	-5.0~48.0	
Heating	°C	-20.0~18.9	-20.0~18.9	-20.0~18.9	-	-	-	-		

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 2) Nominal heating capacities are based on: Indoor temperature: 20°C DB, 15°C WB / Outdoor temperature: 7°C DB, 6°C WB, Equivalent refrigerant piping: 7.5m, Level differences: 0m.
 3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.



DVM S Eco

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- Small Footprint and Volume
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- Low Noise Level
- New Communication Protocol

DVM S ECO			AM080KXMDFH/TC	AM100KXMDFH/TC	AM120KXMDFH/TC	AM100KXMDHH/TC	AM120KXMDHH/TC	AM140KXMDHH/TC	
Power Supply	Φ, #, V, Hz		3.3,208-230,60	3.3,208-230,60	3.3,208-230,60	3.4,380,60	3.4,380,60	3.4,380,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP		8.00	10.00	12.00	10.00	12.00	14.00	
		kW	22.40	28.00	33.60	28.00	33.50	40.00	
	Capacity (Nominal)	Cooling	Btu/h	76,400	95,500	114,600	95,500	114,300	136,500
		Heating	kW	25.20	31.50	37.80	31.50	37.50	45.00
Power	Power Input (Nominal)	Cooling ¹⁾	Btu/h	86,000	107,500	129,000	107,500	128,000	153,500
		Heating ²⁾	kW	5.33	6.83	8.84	7.00	8.38	10.00
	Current Input (Nominal)	Cooling ¹⁾	kW	5.59	7.14	9.22	6.17	7.50	9.57
		Heating ²⁾	A	15.00	19.30	25.00	11.51	13.74	16.48
	MCA		A	15.80	20.10	26.00	10.38	12.23	15.55
	MFA		A	25.00 (MCA)	34.00 (MCA)	35.00 (MCA)	21.50 (MCA)	23.50 (MCA)	32.00 (MCA)
COP	Nominal Cooling ¹⁾		4.00	5.00	5.00	3.00	4.00	4.00	
	Nominal Heating ²⁾		4.20	4.10	3.80	4.00	4.00	4.00	
Compressor	Type		SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	SSC Scroll x 1	
	Output	kW x n	(5.18)	(6.45)	(6.45)	(5.18)	(6.39)	(6.76)	
	Model Name		DS-GB052FBVA x 1	DS4GJ5066EVA x 1	DS4GJ5066EVA x 1	DS-GB052FAVB x 1	DS-GB066FAVB x 1	DS-GB070FAVA x 1	
Oil	Type		PVE	PVE	PVE	PVE	PVE	PVE	
	Initial Charge	cc	1100	2800	2800	1100	1100	1100	
Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Output x n	W	183.0 x 2	183.0 x 2	183.0 x 2	244.0 x 2	244.0 x 2	244.0 x 2	
	Air Flow Rate	CMM	190	199	201	165	166	180	
External Static Pressure	Max.	mmAq	-	-	-	-	-	-	
		Pa	-	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	12.70	9.52	12.70	12.70	
		Φ, inch	3/8"	3/8"	1/2"	3/8"	1/2"	1/2"	
	Gas Pipe	Φ, mm	19.05	22.22	28.58	22.22	28.58	28.58	
		Φ, inch	3/4"	7/8"	1 1/8"	7/8"	1 1/8"	1 1/8"	
Discharge Gas Pipe (HR)	Φ, mm	-	-	-	-	-	-		
	Φ, inch	-	-	-	-	-	-		
Oil Equalizing Pipe	Φ, mm	-	-	-	-	-	-		
	Φ, inch	-	-	-	-	-	-		
Installation Limitation	Max. Length	m	160	160	160	160	160		
	Max. Height	m	50.0	50.0	50.0	50.0	50.0		
Field Wiring	Power Source Wire	mm ²	-	-	-	-	-		
	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		
	Factory Charging	kg	3.70	3.70	4.80	3.70	4.30	4.80	
Sound ³⁾	Sound Pressure	dB(A)	58.0	61.0	62.0	58.0	59.0	62.0	
	Sound Power	dB(A)	-	-	-	-	-	-	
External Dimension	Net Weight	kg	145.0	152.0	162.0	145.0	155.0	162.0	
	Shipping Weight	kg	158.0	165.0	175.0	158.0	168.0	175.0	
	Net Dimensions (WxHxD)	mm	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460	
Operating Temp. Range	Cooling	°C	-5.0 ~ 50.0	-5.0 ~ 50.0	-5.0 ~ 50.0	-5.0 ~ 52.0	-5.0 ~ 52.0	-5.0 ~ 52.0	
	Heating	°C	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	-25.0 ~ 24.0	

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

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

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



360 Cassette

- Cold Draft Free
- Perfect even cooling
- Stylish design
- New communication Protocol

360 Cassette				360 CST (Circle)	360 CST (Square)	360 CST (Circle)	360 CST (Square)	360 CST (Circle)	360 CST (Square)
Type				AM009KN4DCH/AA	AM009KN4DCH/AA	AM012KN4DCH/AA	AM012KN4DCH/AA	AM018KN4DCH/AA	AM018KN4DCH/AA
Model Code				AM009KN4DCH/AA	AM009KN4DCH/AA	AM012KN4DCH/AA	AM012KN4DCH/AA	AM018KN4DCH/AA	AM018KN4DCH/AA
Power Supply	Φ, #, V, Hz			1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	2.64	2.64	3.52	3.52	5.28	5.28
			Btu/h	9,000	9,000	12,000	12,000	18,000	18,000
	Heating	kW	2.93	2.93	3.96	3.96	5.86	5.86	
			Btu/h	10,000	10,000	13,500	13,500	20,000	20,000
Power	Power Input (Nominal)	Cooling	W	26.00	26.00	26.00	26.00	26.00	26.00
			W	26.00	26.00	26.00	26.00	26.00	26.00
	Current Input (Nominal)	Cooling	A	0.18	0.18	0.18	0.18	0.18	0.18
			A	0.18	0.18	0.18	0.18	0.18	0.18
Fan	Type		mm ²	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor	Output x n	W	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1	65 x 1
	Air Flow Rate	H/M/L (UL)	CMM	16.00/15.00/14.00	16.00/15.00/14.00	16.00/15.00/14.00	16.00/15.00/14.00	16.00/15.00/14.00	16.00/15.00/14.00
			l/s	266.67/250.00/233.33	266.67/250.00/233.33	266.67/250.00/233.33	266.67/250.00/233.33	266.67/250.00/233.33	266.67/250.00/233.33
External Pressure	Min / Std / Max		mmAq	-	-	-	-	-	-
			Pa	-	-	-	-	-	-
Piping Connections	Liquid Pipe		Φ, mm	6.35	6.35	6.35	6.35	6.35	6.35
			Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas Pipe		Φ, mm	12.70	12.70	12.70	12.70	12.70	12.70
			Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Drain Pipe		Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
		mm ²	AWG 14	AWG 14	AWG 14	AWG 14	AWG 14	AWG 14	
Field Wiring	Power Source Wire		mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	
	Transmission Cable		mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A	
	Control Method		-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	33.0/31.0/29.0	33.0/31.0/29.0	33.0/31.0/29.0	33.0/31.0/29.0	33.0/31.0/29.0	
			dB(A)	-	51.0	-	51.0	-	51.0
Dimensions	Net Weight		kg	21.00	21.00	21.00	21.00	21.00	
			kg	25.00	25.00	25.00	25.00	25.00	
	Shipping Weight		mm	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	947 x 281 x 947	
			mm	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990	990 x 330 x 990	
Panel Size	Panel model		-	PC4NUNMAN	PC4NUDMAN	PC4NBDMAN	PC4NBDMAN	PC4NBDMAN	
			kg	2.70	3.60	3.60	3.60	3.60	
	Shipping Weight		kg	5.10	6.00	6.00	6.00	6.00	
			mm	1050 x 94 x 1050	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	
Additional Accessories	Drain pump		- / Model name	-	-	-	-	-	
			Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	
	Air Filter		-	-	-	-	-		

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 * These products contain R410A which is fluorinated greenhouse gas.

Optional Accessories





360 Cassette

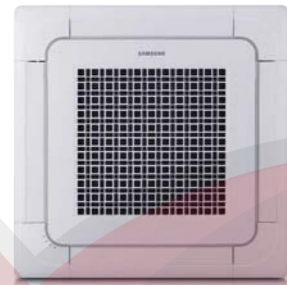
- Cold Draft Free
- Perfect even cooling
- Stylish design
- New communication Protocol

360 Cassette				360 CST (Circle)	360 CST (Square)	360 CST (Circle)	360 CST (Square)	360 CST (Square)	360 CST (Circle)	360 CST (Square)	360 CST (Circle)
Type				AM024KN4DCH/AA	AM024KN4DCH/AA	AM030KN4DCH/AA	AM030KN4DCH/AA	AM036KN4DCH/AA	AM036KN4DCH/AA	AM048KN4DCH/AA	AM048KN4DCH/AA
Model Code				AM024KN4DCH/AA	AM024KN4DCH/AA	AM030KN4DCH/AA	AM030KN4DCH/AA	AM036KN4DCH/AA	AM036KN4DCH/AA	AM048KN4DCH/AA	AM048KN4DCH/AA
Power Supply	Φ, #, V, Hz			1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	7.03	7.03	8.79	8.79	10.55	10.55	14.07	14.07
			Btu/h	24,000	24,000	30,000	30,000	36,000	36,000	48,000	48,000
	Heating	kW	7.91	7.91	9.96	9.96	11.72	11.72	15.83	15.83	15.83
			Btu/h	27,000	27,000	34,000	34,000	40,000	40,000	54,000	54,000
Power	Power Input (Nominal)	Cooling	W	38.00	38.00	54.00	54.00	71.00	71.00	91.00	91.00
			W	38.00	38.00	54.00	54.00	71.00	71.00	91.00	91.00
	Current Input (Nominal)	Cooling	A	0.28	0.28	0.42	0.42	0.57	0.57	0.75	0.75
			A	0.28	0.28	0.42	0.42	0.57	0.57	0.75	0.75
Fan	Type		mm ²	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor	Output x n	W	65 x 1	65 x 1	97 x 1	97 x 1	97 x 1	97 x 1	97 x 1	97 x 1
	Air Flow Rate	H/M/L (UL)	CMM	19.00/16.50/14.50	19.00/16.50/14.50	25.50/22.50/20.00	25.50/22.50/20.00	28.00/25.00/22.00	28.00/25.00/22.00	31.50/27.00/24.00	31.50/27.00/24.00
			l/s	316.67/275.00/241.67	316.67/275.00/241.67	425.00/375.00/333.33	425.00/375.00/333.33	466.67/416.67/366.67	466.67/416.67/366.67	525.00/450.00/400.00	525.00/450.00/400.00
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	-	-	-	
		Pa	-	-	-	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	mm ²	9.52	9.52	9.52	9.52	9.52	9.52	9.52	9.52
			inch	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	mm ²	15.88	15.88	15.88	15.88	15.88	15.88	15.88	15.88
			inch	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
Drain Pipe		Φ, mm	mm ²	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)	
Field Wiring	Power Source Wire		mm ²	AWG 14	AWG 14	AWG 14	AWG 14	AWG 14	AWG 14	AWG 14	
	Transmission Cable		mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	
Refrigerant	Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A	
	Control Method			EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	38.0/35.0/32.0	38.0/35.0/32.0	40.0/38.0/36.0	40.0/38.0/36.0	43.0/40.0/38.0	43.0/40.0/38.0	44.0/42.0/39.0	44.0/42.0/39.0
		Cooling	dB(A)	-	56.0	-	58.0	60.0	-	61.0	-
Dimensions	Net Weight		kg	21.00	21.00	24.00	24.00	24.00	24.00	24.00	
	Shipping Weight		kg	25.00	25.00	28.50	28.50	28.50	28.50	28.50	
	Net Dimensions (W×H×D)		mm	947 x 281 x 947	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	
			mm	990 x 330 x 990	990 x 330 x 990	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990	
Panel Size	Panel model			PC4NBDMAN	PC4NBDMAN	PC4NBDMAN	PC4NBDMAN	PC4NBDMAN	PC4NBDMAN	PC4NBDMAN	
	Panel Net Weight		kg	3.60	3.60	3.60	3.60	3.60	3.60	3.60	
	Shipping Weight		kg	6.00	6.00	6.00	6.00	6.00	6.00	6.00	
	Net Dimensions (W×H×D)		mm	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	
		mm	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083	1093 x 85 x 1083		
Additional Accessories	Drain pump	- / Model name		-	-	-	-	-	-	-	
	Max. lifting Height / Displacement	mm / liter/h		-	-	-	-	-	-	-	
Air Filter				-	-	-	-	-	-	-	

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 * These products contain R410A which is fluorinated greenhouse gas.

Optional Accessories





4Way Cassette

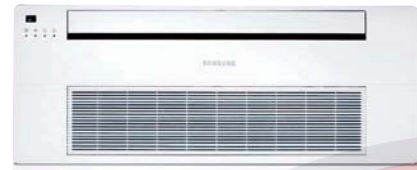
- Compact and Light Unit
- Virus Doctor (Optional)
- No Overflowing Drain Water
- New Communication Protocol

4Way Cassette				AM018FN4DCH/AA	AM024FN4DCH/AA	AM030FN4DCH/AA	AM036FN4DCH/AA	AM048FN4DCH/AA
Model Code				1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Power Supply	Φ, #, V, Hz							
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	5.28	7.03	8.79	10.55	14.07
			Btu/h	18,000	24,000	30,000	36,000	48,000
		Heating	kW	5.86	7.91	9.96	11.72	15.83
			Btu/h	20,000	27,000	34,000	40,000	54,000
Power	Power Input (Nominal)	Cooling	W	32.00	40.00	65.00	75.00	95.00
		Heating	W	32.00	40.00	65.00	75.00	95.00
	Current Input (Nominal)	Cooling	A	0.25	0.30	0.50	0.56	0.75
		Heating	A	0.25	0.30	0.50	0.56	0.75
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
		Output x n	W	65 x 1	65 x 1	97 x 1	97 x 1	97 x 1
	Air Flow Rate	H/M/L (UL)	CMM	15.50/14.00/12.00	17.50/16.00/13.99	22.00/19.50/17.00	24.00/22.00/20.00	29.00/27.00/24.00
		l/s		258.33/233.33/200.00	291.67/266.67/233.17	366.67/325.00/283.33	400.00/366.67/333.33	483.33/450.00/400.00
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	
		Pa	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	9.52	9.52	9.52	9.52	
		Φ, inch	1/4"	3/8"	3/8"	3/8"	3/8"	
	Gas Pipe	Φ, mm	12.70	15.88	15.88	15.88	15.88	
		Φ, inch	1/2"	5/8"	5/8"	5/8"	5/8"	
Drain Pipe	Φ, mm	VP25 (OD 32JD 25)	VP25 (OD 32JD 25)	VP25 (OD 32JD 25)	VP25 (OD 32JD 25)	VP25 (OD 32JD 25)		
Field Wiring	Power Source Wire	mm ²	AWG 14	AWG 14	AWG 14	AWG 14	AWG 14	
	Transmission Cable	mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	34.0/33.0/31.0	36.0/35.0/34.0	39.0/34.0/30.0	40.0/37.0/33.0	44.0/42.0/39.0
		Cooling	dB(A)	-	-	-	-	-
Dimensions	Net Weight	kg	15.00	15.00	18.50	18.50	18.50	
	Shipping Weight	kg	18.50	18.50	23.00	23.00	23.00	
	Net Dimensions (WxHxD)	mm	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	
		mm	898 x 275 x 898	898 x 275 x 898	898 x 357 x 898	898 x 357 x 898	898 x 357 x 898	
	Panel model	-	PC4NUSKFN	PC4NUSKFN	PC4NUSKFN	PC4NUSKFN	PC4NUSKFN	
	Panel Net Weight	kg	5.80	5.80	5.80	5.80	5.80	
Panel Size	Shipping Weight	kg	8.40	8.40	8.40	8.40	8.40	
	Net Dimensions (WxHxD)	mm	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	
		mm	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	
	Shipping Dimensions (WxHxD)	mm	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-	
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	
Air Filter	-	-	-	-	-	-		

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Optional Accessories





1Way Cassette

- Slim and Compact Design
- Quiet Operation
- No Overflowing Drain Water
- New Communication Protocol

1Way Cassette			AM007FN1DCH/AA	AM009FN1DCH/AA	AM012FN1DCH/AA	AM056FN1DEH/TL	AM071FN1DEH/TL	
Model Code			AM007FN1DCH/AA	AM009FN1DCH/AA	AM012FN1DCH/AA	AM056FN1DEH/TL	AM071FN1DEH/TL	
Power Supply	Φ, #, V, Hz		1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,220-240,50/60	1,2,220-240,50/60	
Mode			HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	2.20	2.78	3.52	5.60	7.10	
			kW	7,500	9,500	12,000	19,100	24,200
			Btu/h	2,49	3,08	3,96	6,30	8,00
		Heating	8,500	10,500	13,500	21,500	27,300	
Power	Power Input (Nominal)	Cooling	40.00	45.00	50.00	55.00	80.00	
			W	40.00	45.00	50.00	55.00	80.00
		Current Input (Nominal)	Cooling	0.23	0.25	0.28	0.28	0.40
			A	0.23	0.25	0.28	0.28	0.40
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	
		Output x n	-	20 x 1	20 x 1	20 x 1	54 x 1	
		Air Flow Rate	H/M/L (UL)	7.00/6.00/5.00	7.00/6.00/5.00	8.00/7.00/6.00	16.00/14.00/12.50	17.00/15.50/14.00
			CMM	116.67/100.00/83.33	116.67/100.00/83.33	133.33/116.67/100.00	266.67/233.33/208.33	283.33/258.33/233.33
Piping Connections	External Pressure	Min / Std / Max	-	-	-	-	-	
			mmAq	-	-	-	-	
			Pa	-	-	-	-	
		Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	9.52
Field Wiring	Power Source Wire	Transmission Cable	mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	0.75 ~ 1.50	
			mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	0.75 ~ 1.50	
		Type	-	R410A	R410A	R410A	R410A	
		Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	27.0/25.0/23.0	29.0/27.0/24.0	35.0/31.0/27.0	36.0/33.0/31.0	39.0/37.0/34.0	
			dB(A)	-	-	-	58.0	60.0
		Sound Power	Cooling	-	-	-	58.0	60.0
			dB(A)	-	-	-	58.0	60.0
Dimensions	Net Weight		10.50	10.50	10.50	14.50	14.50	
			kg	13.00	13.00	13.00	18.50	18.50
		Shipping Weight	kg	13.00	13.00	13.00	18.50	18.50
		Net Dimensions (WxHxD)	mm	970 x 135 x 410	970 x 135 x 410	970 x 135 x 410	1200 x 138 x 450	1200 x 138 x 450
Panel Size	Shipping Dimensions (WxHxD)		1164 x 212 x 478	1164 x 212 x 478	1164 x 212 x 478	1435 x 214 x 525	1435 x 214 x 525	
			mm	1164 x 212 x 478	1164 x 212 x 478	1164 x 212 x 478	1435 x 214 x 525	
		Panel model	-	PC1NUSMAN	PC1NUSMAN	PC1NUSMAN	PC1BWEAN	
		Panel Net Weight	kg	3.00	3.00	3.00	4.50	
Additional Accessories	Shipping Weight		5.00	5.00	5.00	7.80		
			kg	5.00	5.00	5.00	7.80	
		Net Dimensions (WxHxD)	mm	1180 x 25 x 460	1180 x 25 x 460	1180 x 25 x 460	1420 x 23 x 500	
		Shipping Dimensions (WxHxD)	mm	1259 x 144 x 539	1259 x 144 x 539	1259 x 144 x 539	1483 x 144 x 573	
Drain pump	Drain pump	- / Model name	-	-	-	-		
	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-		
Air Filter		-	-	-	-			

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Optional Accessories





2Way Cassette

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



4Way Cassette (600x600)

- Compact and Light Unit
- Virus Doctor (Optional)
- Motion Detect Sensor (Optional)
- No Overflowing Drain Water
- New Communication Protocol

2Way Cassette				AM018FN2DCH/TC	AM024FN2DCH/TC
Model Code					
Power Supply		Φ, #, V, Hz	1,2,208-230,60	1,2,208-230,60	
Mode			HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	5.28	7.03
			Btu/h	18,000	24,000
		Heating	kW	5.86	7.91
			Btu/h	20,000	27,000
Power	Power Input (Nominal)	Cooling	W	70.00	75.00
		Heating	W	70.00	75.00
	Current Input (Nominal)	Cooling	A	0.38	0.40
		Heating	A	0.38	0.40
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan
	Air Flow Rate	Output x n	W	14 x 2	14 x 2
		H/M/L (UL)	CMM	14.00/13.00/12.00	15.00/14.00/13.00
External Pressure	Min / Std / Max	l/s		233.33/216.67/200.00	250.00/233.33/216.67
		mmAq		-	-
Piping Connections	Liquid Pipe	Φ, mm		6.35	9.52
		Φ, inch		1/4"	3/8"
	Gas Pipe	Φ, mm		12.70	15.88
		Φ, inch		1/2"	5/8"
Drain Pipe	Φ, mm		VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Field Wiring	Power Source Wire	mm ²		AWG 16 ~ 14	AWG 16 ~ 14
	Transmission Cable	mm ²		AWG 18 ~ 16	AWG 18 ~ 16
Refrigerant	Type			R410A	R410A
	Control Method			EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	38.0/37.0/35.0	41.0/39.0/37.0
	Sound Power	Cooling	dB(A)	-	-
Dimensions	Net Weight		kg	21.00	22.00
	Shipping Weight		kg	25.00	26.00
	Net Dimensions (W×H×D)		mm	890 x 230 x 575	890 x 230 x 575
	Shipping Dimensions (W×H×D)		mm	1077 x 299 x 642	1077 x 299 x 642
	Panel model			PC2NUSMEN	PC2NUSMEN
Panel Size	Panel Net Weight		kg	4.00	4.00
	Shipping Weight		kg	8.00	8.00
	Net Dimensions (W×H×D)		mm	1030 x 25 x 650	1030 x 25 x 650
	Shipping Dimensions (W×H×D)		mm	1103 x 151 x 727	1103 x 151 x 727
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-

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4Way Cassette (600x600)							AM009FNNDCH/AA	AM012FNNDCH/AA	AM018FNNDCH/AA	AM020FNNDCH/AA
Model Code										
Power Supply			Φ, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode				HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling ²⁾	kW	2.78	3.52	5.28	5.86			
			Btu/h	9,500	12,000	18,000	20,000			
		Heating ²⁾	kW	3.08	3.96	5.86	6.74			
			Btu/h	10,500	13,500	20,000	23,000			
Power	Power Input (Nominal)	Cooling ¹⁾	W	24.00	28.00	36.00	38.00			
		Heating ¹⁾	W	24.00	28.00	36.00	38.00			
	Current Input (Nominal)	Cooling ²⁾	A	0.17	0.19	0.27	0.30			
		Heating ²⁾	A	0.17	0.19	0.27	0.30			
Fan	Motor	Type	-	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan			
	Air Flow Rate	Output x n	W	65 x 1	65 x 1	65 x 1	65 x 1			
		H/M/L (UL)	CMM	10.00/8.50/7.50	10.50/9.50/8.00	13.00/11.00/9.50	13.50/12.00/10.20			
External Pressure	Min / Std / Max	l/s		166.67/141.67/125.00	175.00/158.33/133.33	216.67/183.33/158.33	225.00/200.00/170.00			
		mmAq		-	-	-	-			
Piping Connections	Liquid Pipe	Φ, mm		6.35	6.35	6.35	6.35			
		Φ, inch		1/4"	1/4"	1/4"	1/4"			
	Gas Pipe	Φ, mm		12.70	12.70	12.70	12.70			
		Φ, inch		1/2"	1/2"	1/2"	1/2"			
Drain Pipe	Φ, mm		VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)				
Field Wiring	Power Source Wire	mm ²		AWG 14	AWG 14	AWG 14	AWG 14			
	Transmission Cable	mm ²		2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED			
Refrigerant	Type			R410A	R410A	R410A	R410A			
	Control Method			EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED			
Sound	Sound Pressure	High / Mid / Low	dB(A)	34.0/30.0/26.0	36.0/34.0/31.0	40.0/37.0/34.0	41.0/38.0/35.0			
	Sound Power	Cooling	dB(A)	-	-	-	-			
Dimensions	Net Weight		kg	12.00	12.00	12.00	12.00			
	Shipping Weight		kg	14.00	14.00	14.00	14.00			
	Net Dimensions (W×H×D)		mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575			
	Shipping Dimensions (W×H×D)		mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653			
	Panel model			PC4SUSMEN	PC4SUSMEN	PC4SUSMEN	PC4SUSMEN			
Panel Size	Panel Net Weight		kg	2.70	2.70	2.70	2.70			
	Shipping Weight		kg	4.20	4.20	4.20	4.20			
	Net Dimensions (W×H×D)		mm	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670	670 x 45 x 670			
	Shipping Dimensions (W×H×D)		mm	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724			
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-			
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-			

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Optional Accessories



Optional Accessories



LSP Duct



- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain
- New Communication Protocol

LSP Duct			AM007FNLDC/AA	AM009FNLDC/AA	AM012FNLDC/AA	AM018FNLDC/AA
Power Supply	Φ, #, V, Hz		1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	2.20 Btu/h 7,500	2.78 Btu/h 9,500	3.52 Btu/h 12,000	5.28 Btu/h 18,000
		Heating	2.49 Btu/h 8,500	3.08 Btu/h 10,500	3.96 Btu/h 13,500	5.86 Btu/h 20,000
Power	Power Input (Nominal)	Cooling	47.00 W	60.00 W	75.00 W	140.00 W
		Heating	47.00 W	60.00 W	75.00 W	140.00 W
	Current Input (Nominal)	Cooling	0.32 A	0.40 A	0.51 A	0.94 A
		Heating	0.32 A	0.40 A	0.51 A	0.94 A
Fan	Motor	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	40 x 1	50 x 1	60 x 1	100 x 1
	Air Flow Rate	CMM	8.00/7.00/6.00	9.00/8.00/7.00	10.00/8.50/7.00	15.50/14.00/12.50
		H/M/L (UL)	133.33/116.67/100.00	150.00/133.33/116.67	166.67/141.67/116.67	258.33/233.33/208.33
	External Pressure	mmAq	0.00/1.00/4.00	0.00/1.00/4.00	0.00/1.00/4.00	0.00/1.00/4.00
		Pa	0.00/9.81/39.23	0.00/9.81/39.23	0.00/9.81/39.23	0.00/9.81/39.23
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35
		Φ, inch	1/4"	1/4"	1/4"	1/4"
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70
		Φ, inch	1/2"	1/2"	1/2"	1/2"
Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	
Field Wiring	Power Source Wire	mm ²	AWG 14	AWG 14	AWG 14	AWG 14
	Transmission Cable	mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED
Refrigerant	Type		R410A	R410A	R410A	R410A
	Control Method		EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	26.0/24.0/21.0	27.0/25.0/23.0	29.0/28.0/27.0	36.0/34.0/31.0
		Cooling	-	-	-	-
Dimensions	Net Weight	kg	24.50	24.50	24.50	30.00
	Shipping Weight	kg	28.50	28.50	28.50	34.50
	Net Dimensions (W×H×D)	mm	900 x 199 x 600	900 x 199 x 600	900 x 199 x 600	1100 x 199 x 600
	Shipping Dimensions (W×H×D)	mm	1150 x 280 x 710	1150 x 280 x 710	1150 x 280 x 710	1350 x 280 x 710
	Panel model		-	-	-	-
Panel Size	Panel Net Weight	kg	-	-	-	-
	Shipping Weight	kg	-	-	-	-
	Net Dimensions (W×H×D)	mm	-	-	-	-
	Shipping Dimensions (W×H×D)	mm	-	-	-	-
Additional Accessories	Drain pump	Drain pump - / Model name	MDP-E07SSEE3D	MDP-E07SSEE3D	MDP-E07SSEE3D	MDP-E07SSEE3D
	Air Filter	Max. lifting Height / Displacement	-	-	-	-

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Optional Accessories



LSP Duct



- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain
- New Communication Protocol

LSP Duct			AM024FNLDC/AA	AM030FNLDC/AA	AM036FNLDC/AA	AM048FNLDC/AA
Power Supply	Φ, #, V, Hz		1,2,208-230,60	1,2,220-240,50	1,2,208-230,60	1,2,208-230,60
Mode			HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	7.03 kW 24,000 Btu/h	8.79 kW 30,000 Btu/h	10.55 kW 36,000 Btu/h	14.07 kW 48,000 Btu/h
		Heating	7.91 kW 27,000 Btu/h	9.96 kW 34,000 Btu/h	11.72 kW 40,000 Btu/h	15.83 kW 54,000 Btu/h
Power	Power Input (Nominal)	Cooling	145.00 W	95.00 W	120.00 W	180.00 W
		Heating	145.00 W	95.00 W	120.00 W	180.00 W
	Current Input (Nominal)	Cooling	0.98 A	0.80 A	1.05 A	1.40 A
		Heating	0.98 A	0.80 A	1.05 A	1.40 A
Fan	Motor	Type	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	110 x 1	80 x 1	100 x 1	160 x 1
Fan	Air Flow Rate	H/M/L (UL)	16.50/15.00/13.50 CMM	31.00/26.00/23.00 CMM	34.00/29.00/24.00 CMM	38.00/32.00/27.00 CMM
			275.00/250.00/225.00 l/s	516.67/433.33/383.33 l/s	566.67/483.33/400.00 l/s	633.33/533.33/450.00 l/s
Piping Connections	External Pressure	Min / Std / Max	0.00/1.00/4.00 mmAq	0.00/1.00/6.00 mmAq	0.00/3.00/6.00 mmAq	0.00/3.00/6.00 mmAq
			0.00/9.81/39.23 Pa	0.00/9.81/58.84 Pa	0.00/29.42/58.84 Pa	0.00/29.42/58.84 Pa
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	9.52
		Φ, inch	3/8"	3/8"	3/8"	3/8"
Piping Connections	Gas Pipe	Φ, mm	15.88	15.88	15.88	15.88
		Φ, inch	5/8"	5/8"	5/8"	5/8"
Field Wiring	Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
			AWG 14	AWG 14	AWG 14	AWG 14
Field Wiring	Power Source Wire	mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED
			AWG 14	AWG 14	AWG 14	AWG 14
Refrigerant	Transmission Cable	mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED
			AWG 14	AWG 14	AWG 14	AWG 14
Refrigerant	Type		R410A	R410A	R410A	R410A
			R410A	R410A	R410A	R410A
Sound	Control Method		EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
			EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	38.0/36.0/33.0 dB(A)	37.0/36.0/34.0 dB(A)	37.0/36.0/34.0 dB(A)	39.0/38.0/36.0 dB(A)
			38.0/36.0/33.0 dB(A)	37.0/36.0/34.0 dB(A)	37.0/36.0/34.0 dB(A)	39.0/38.0/36.0 dB(A)
Dimensions	Sound Power	Cooling	-	-	-	-
			-	-	-	-
Dimensions	Net Weight		30.00 kg	40.00 kg	40.00 kg	41.50 kg
			34.50 kg	47.00 kg	47.00 kg	48.50 kg
Dimensions	Shipping Weight		1100 x 199 x 600 mm	1300 x 295 x 690 mm	1300 x 295 x 690 mm	1300 x 295 x 690 mm
			1350 x 280 x 710 mm	1575 x 370 x 835 mm	1575 x 370 x 835 mm	1575 x 370 x 835 mm
Panel Size	Panel model		-	-	-	-
			-	-	-	-
Panel Size	Panel Net Weight		-	-	-	-
			-	-	-	-
Panel Size	Shipping Weight		-	-	-	-
			-	-	-	-
Panel Size	Net Dimensions (W×H×D)		-	-	-	-
			-	-	-	-
Panel Size	Shipping Dimensions (W×H×D)		-	-	-	-
			-	-	-	-
Additional Accessories	Drain pump	- / Model name	MDP-E07SSEE3D	MDP-E07SSEE3D	MDP-E07SSEE3D	MDP-E07SSEE3D
			-	-	-	-
Additional Accessories	Max. lifting Height / Displacement		-	-	-	-
			-	-	-	-
Additional Accessories	Air Filter		-	-	-	-
			-	-	-	-

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Optional Accessories



MSP Duct



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

MSP Duct			AM018FNMDCH/AA	AM024FNMDCH/AA	AM030FNMDCH/AA	AM036FNMDCH/AA	AM048FNMDCH/AA	
Power Supply	Φ, #, V, Hz		1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	
Mode	-		HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW Btu/h	5.28 18,000	7.03 24,000	8.79 30,000	10.55 36,000	14.07 48,000
		Heating	kW Btu/h	5.86 20,000	7.91 27,000	9.96 34,000	11.72 40,000	15.83 54,000
Power	Power Input (Nominal)	Cooling	W	165.00	220.00	260.00	290.00	430.00
		Heating	W	165.00	220.00	260.00	290.00	430.00
	Current Input (Nominal)	Cooling	A	1.40	1.50	1.50	1.60	2.45
		Heating	A	1.40	1.50	1.50	1.60	2.45
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
		Output x n	W	124 x 1	124 x 1	180 x 1	180 x 1	218 x 1
	Air Flow Rate	H/M/L (UL)	CMM	14.50/13.00/11.50	18.50/17.00/15.50	25.00/23.00/20.00	27.00/25.00/23.00	35.00/33.00/30.00
			l/s	241.67/216.67/191.67	308.33/283.33/258.33	416.67/383.33/333.33	450.00/416.67/383.33	583.33/550.00/500.00
	External Pressure	Min / Std / Max	mmAq	0.00/4.00/8.00	0.00/4.00/8.00	6.00/8.00/10.00	6.00/8.00/10.00	6.00/8.00/10.00
			Pa	0.00/39.23/78.45	0.00/39.23/78.45	58.84/78.45/98.07	58.84/78.45/98.07	58.84/78.45/98.07
Piping Connections	Liquid Pipe	Φ, mm	6.35	9.52	9.52	9.52	9.52	9.52
		Φ, inch	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	12.70	15.88	15.88	15.88	15.88	15.88
		Φ, inch	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
	Drain Pipe	Φ, mm	VP25 (OD 32JD 25)	VP25 (OD 32JD 25)	VP25 (OD 32JD 25)	VP25 (OD 32JD 25)	VP25 (OD 32JD 25)	
Field Wiring	Power Source Wire	mm ²	AWG 14	AWG 14	AWG 14	AWG 14	AWG 14	
	Transmission Cable	mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	
	Control Method	-	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	35.0/33.0/31.0	39.0/35.0/31.0	40.0/37.0/34.0	41.0/40.0/38.0	42.0/39.0/36.0
	Sound Power	Cooling	dB(A)	-	-	-	-	-
Dimensions	Net Weight		kg	29.00	29.00	36.50	36.50	48.50
	Shipping Weight		kg	33.00	33.00	40.50	40.50	55.50
	Net Dimensions (W×H×D)		mm	900 x 260 x 480	900 x 260 x 480	1150 x 320 x 480	1150 x 320 x 480	1200 x 360 x 650
	Shipping Dimensions (W×H×D)		mm	1170 x 340 x 595	1170 x 340 x 595	1420 x 400 x 595	1420 x 400 x 595	1456 x 434 x 778
Panel Size	Panel model		-	-	-	-	-	-
	Panel Net Weight		kg	-	-	-	-	-
	Shipping Weight		kg	-	-	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-	-	-
Additional Accessories	Drain pump	Drain pump	- / Model name	MDP-M07SSGU3D	MDP-M07SSGU3D	MDP-M07SSGU1D	MDP-M07SSGU1D	MDP-M07SSGU2D
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-

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Optional Accessories





HSP Duct

- High External Static Pressure
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain
- New Communication Protocol

HSP Duct			AM036FNHDCH/AA	AM048FNHDCH/AA	AM076FNHDCH/AA	AM096FNHDCH/AA
Power Supply	Φ, #, V, Hz		1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	10.55 kW 36,000 Btu/h	14.07 kW 48,000 Btu/h	22.51 kW 76,800 Btu/h	28.13 kW 96,000 Btu/h
		Heating	11.72 kW 40,000 Btu/h	15.83 kW 54,000 Btu/h	24.97 kW 85,200 Btu/h	31.65 kW 108,000 Btu/h
	Power Input (Nominal)	Cooling	210.00 W	330.00 W	530.00 W	790.00 W
		Heating	210.00 W	330.00 W	530.00 W	790.00 W
Current Input (Nominal)	Cooling	1.47 A	2.38 A	3.80 A	5.90 A	
	Heating	1.47 A	2.38 A	3.80 A	5.90 A	
Motor	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Output x n		183 x 2	183 x 2	400 x 1	400 x 1
Fan	Air Flow Rate	H/M/L (UL)	28.00/25.00/22.00 CMM	39.00/33.50/28.00 CMM	58.00/52.00/47.00 CMM	72.00/65.00/58.00 CMM
			466.67/416.67/366.67 l/s	650.00/558.33/466.67 l/s	966.67/866.67/783.33 l/s	1,200.00/1,083.33/966.67 l/s
	External Pressure	Min / Std / Max	5.00/10.00/20.00 mmAq	5.00/10.00/20.00 mmAq	5.00/15.00/25.00 mmAq	5.00/15.00/28.00 mmAq
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52	9.52
		Φ, inch	3/8"	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	15.88	15.88	19.05	22.22
		Φ, inch	5/8"	5/8"	3/4"	7/8"
Drain Pipe	Φ, mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	
Field Wiring	Power Source Wire	mm ²	AWG 14	AWG 14	AWG 14	AWG 14
	Transmission Cable	mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED
Refrigerant	Type		R410A	R410A	R410A	R410A
	Control Method		EEV INCLUDED	EEV INCLUDED	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	40.0/39.0/37.0 dB(A)	44.0/42.0/40.0 dB(A)	45.0/43.0/41.0 dB(A)	48.0/46.0/43.0 dB(A)
	Sound Power	Cooling	-	-	-	-
Dimensions	Net Weight	kg	62.00	62.00	89.00	89.00
	Shipping Weight	kg	70.00	70.00	99.00	99.00
	Net Dimensions (W×H×D)	mm	1200 x 360 x 650	1200 x 360 x 650	1240 x 470 x 1040	1240 x 470 x 1040
	Shipping Dimensions (W×H×D)	mm	1480 x 420 x 790	1480 x 420 x 790	1507 x 558 x 1155	1507 x 558 x 1155
	Panel model		-	-	-	-
Panel Size	Panel Net Weight	kg	-	-	-	-
	Shipping Weight	kg	-	-	-	-
	Net Dimensions (W×H×D)	mm	-	-	-	-
	Shipping Dimensions (W×H×D)	mm	-	-	-	-
Additional Accessories	Drain pump	Drain pump - / Model name	MDP-M07SSGU2D	MDP-M07SSGU2D	MDP-N047SNC1D	MDP-N047SNC1D
	Air Filter	Max. lifting Height / Displacement	-	-	-	-

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Optional Accessories





Big Duct

- The Slimmest and The Lightest Design
- 3-Way Service
- Wi-Fi Control (Optional)
- Virus Doctor (Optional)
- Automatic ESP Adjustment
- Easier Drain Pump Installation
- High Efficient Heat Exchanger
- New Communication Protocol



OAP Duct

- Flexible Installation
- Highly Efficient BLDC Motor
- Quiet Operation
- Flexible Static - Pressure Control

HSP Duct				AM180JNHPKH/MG	AM224JNHPKH/MG
Model Code					
Power Supply	Φ, #, V, Hz		1,2,220-240,60	1,2,220-240,60	
Mode			HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	18.00	22.40
			Btu/h	61,400	76,400
	Heating	kW	20.00	25.00	
			Btu/h	68,200	85,300
Power	Power Input (Nominal)	Cooling	W	340.00	530.00
			W	340.00	530.00
	Current Input (Nominal)	Cooling	A	1.90	2.90
			A	1.90	2.90
Motor	Type		Sirocco	Sirocco Fan	
	Output x n		630 x 1	630 x 1	
Fan	Air Flow Rate	H/M/L (UL)	CMM	58.00/50.00/43.00	72.00/61.00/50.00
			l/s	966.67/833.33/716.67	1,200.00/1,016.67/833.33
	External Pressure	Min / Std / Max	mmAq	5.00/7.34/20.00	5.00/7.34/20.00
Piping Connections	Liquid Pipe	Φ, mm		9.52	9.52
		Φ, inch		3/8"	3/8"
	Gas Pipe	Φ, mm		19.05	19.05
		Φ, inch		3/4"	3/4"
Field Wiring	Power Source Wire	mm ²	-	-	
	Transmission Cable	mm ²	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type		R410A	R410A	
	Control Method		EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	43.0/39.0/35.0	44.0/40.0/36.0
		Cooling	dB(A)	80.0	81.0
	Net Weight		kg	82.50	82.00
Dimensions	Shipping Weight		kg	92.00	91.50
	Net Dimensions (W×H×D)		mm	1350 x 450 x 910	1350 x 450 x 910
	Shipping Dimensions (W×H×D)		mm	1612 x 519 x 984	1612 x 519 x 984
	Panel model			-	-
Panel Size	Panel Net Weight		kg	-	-
	Shipping Weight		kg	-	-
	Net Dimensions (W×H×D)		mm	-	-
	Shipping Dimensions (W×H×D)		mm	-	-
Additional Accessories	Drain pump	Drain pump - / Model name		MDP-G075SP	MDP-G075SP
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-

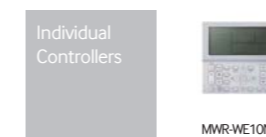
OAP Duct				AM140HNEPCH/MG	AM220HNEPCH/MG	AM280HNEPCH/MG
Model Code						
Power Supply	Φ, #, V, Hz		1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode			HP/HR	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	14.00	22.40	28.00
			Btu/h	47,800	76,400	95,500
	Heating	kW	8.90	13.90	17.40	
			Btu/h	30,400	47,400	59,400
Power	Power Input (Nominal)	Cooling	W	220.00	300.00	370.00
			W	220.00	300.00	370.00
	Current Input (Nominal)	Cooling	A	1.60	2.20	3.00
			A	1.60	2.20	3.00
Motor	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	
	Output x n		183 x 1	400 x 1	400 x 1	
Fan	Air Flow Rate	H/M/L (UL)	CMM	18.00/-/-	28.00/-/-	35.00/-/-
			l/s	300.00/-/-	466.67/-/-	583.33/-/-
	External Pressure	Min / Std / Max	mmAq	5.00/20.39/25.00	10.00/23.45/25.00	10.00/25.49/27.50
Piping Connections	Liquid Pipe	Φ, mm		9.52	9.52	9.52
		Φ, inch		3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm		15.88	19.05	22.22
		Φ, inch		5/8"	3/4"	7/8"
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 INCLUDED	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	42.0/-/-	46.0/-/-	47.0/-/-
		Cooling	dB(A)	-	-	-
	Net Weight		kg	51.00	85.00	85.00
Dimensions	Shipping Weight		kg	61.00	95.00	95.00
	Net Dimensions (W×H×D)		mm	1110 x 390 x 650	1240 x 470 x 1040	1240 x 470 x 1040
	Shipping Dimensions (W×H×D)		mm	1335 x 512 x 829	1507 x 558 x 1155	1507 x 558 x 1155
	Panel model			-	-	-
Panel Size	Panel Net Weight		kg	-	-	-
	Shipping Weight		kg	-	-	-
	Net Dimensions (W×H×D)		mm	-	-	-
	Shipping Dimensions (W×H×D)		mm	-	-	-
Additional Accessories	Drain pump	Drain pump - / Model name		MDP-N047SNC0D	MDP-N047SNC1D	MDP-N047SNC1D
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-	-

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Optional Accessories



Optional Accessories





Neo Forte / Neo Forte - EEV

- Clean-cut Front Panel
- Silver Accent Line
- Bottom Opening Front Panel
- New Communication Protocol

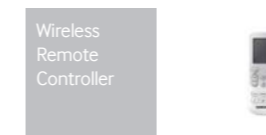
Neo Forte / Neo Forte EEV				Standard	AM007FNTDCH/AA	AM009FNTDCH/AA	AM012FNTDCH/AA	AM018FNTDCH/AA	AM020FNTDCH/AA	AM024FNTDCH/AA
Model Code			EEV	AM007HNQDCH/AA	AM009HNQDCH/AA	AM012HNQDCH/AA	AM018HNQDCH/AA	AM020HNQDCH/AA	AM024HNQDCH/AA	
Power Supply			Φ, #, V, Hz	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	1.2.208-230.60	
Mode			-	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.20	2.78	3.52	5.28	5.86	6.80	
			Btu/h	7,500	9,500	12,000	18,000	20,000	23,200	
	Heating		kW	2.49	3.08	3.96	5.86	6.74	6.98	
			Btu/h	8,500	10,500	13,500	20,000	23,000	23,800	
Power	Power Input (Nominal)	Cooling	W	37.00	37.00	45.00	55.00	57.00	60.00	
				37.00	37.00	45.00	55.00	57.00	60.00	
	Current Input (Nominal)	Cooling	A	0.25	0.25	0.30	0.36	0.38	0.40	
				0.25	0.25	0.30	0.36	0.38	0.40	
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	
		Output x n	W	23 x 1	23 x 1	23 x 1	40 x 1	40 x 1	40 x 1	
	Air Flow Rate	H/M/L (UL)	CMM	7.80/6.80/5.80	7.80/6.80/5.80	9.30/8.30/7.30	12.00/10.50/9.00	14.00/12.50/11.00	14.00/12.50/11.00	
			l/s	130.00/113.33/96.67	130.00/113.33/96.67	155.00/138.33/121.67	200.00/175.00/150.00	233.33/208.33/183.33	233.33/208.33/183.33	
Piping Connections	External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	-	
			Pa	-	-	-	-	-	-	
	Liquid Pipe		Φ, mm	6.35	6.35	6.35	6.35	6.35	9.52	
Field Wiring	Gas Pipe		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	
			Φ, mm	12.70	12.70	12.70	12.70	12.70	15.88	
	Drain Pipe		Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	
Refrigerant			Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	
	Power Source Wire		mm ²	AWG 14	AWG 14	AWG 14	AWG 14	AWG 14	AWG 14	
	Transmission Cable		mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED	
Sound	Type		-	R410A	R410A	R410A	R410A	R410A	R410A	
	Sound Pressure	High / Mid / Low	dB(A)	31.0/29.0/27.0	31.0/29.0/27.0	37.0/33.0/29.0	44.0/41.0/38.0	44.0/41.0/38.0	45.0/41.0/38.0	
	Sound Pressure (EEV)	High / Mid / Low	dB(A)	31.0/29.0/26.0	31.0/29.0/26.0	37.0/33.0/29.0	42.0/39.0/35.0	45.0/40.0/35.0	45.0/40.0/35.0	
	Sound Power	Cooling	dB(A)	-	-	-	-	-	-	
Dimensions	Net Weight		kg	8.50	8.50	8.50	12.50	12.50	12.50	
	Shipping Weight		kg	11.00	11.00	11.00	15.50	15.50	15.50	
	Net Dimensions (W×H×D)		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 (W×H×D)		mm	904 x 353 x 263	904 x 353 x 263	904 x 353 x 263	1138 x 378 x 301	1138 x 378 x 301	1138 x 378 x 301	
Panel Size	Panel model		-	-	-	-	-	-	-	
	Panel Net Weight		kg	-	-	-	-	-	-	
	Shipping Weight		kg	-	-	-	-	-	-	
	Net Dimensions (W×H×D)		mm	-	-	-	-	-	-	
Additional Accessories	Shipping Dimensions (W×H×D)		mm	-	-	-	-	-	-	
	Drain pump	Drain pump	- / Model name	-	-	-	-	-	-	
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-	

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Optional Accessories



Standard Accessories





AR5000 / AR5000 - EEV

- Entirely New Design for Powerful Performance
- Eliminates the virus twice by Filter and Virus Doctor
- Secure the easy Installation and pipe connection

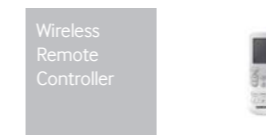
AR5000 / AR5000 - EEV				Standard	AM015JNADKH/EU	AM022JNADKH/EU	AM028JNADKH/EU	AM036JNADKH/EU	AM045JNADKH/EU	AM056JNADKH/EU	AM071JNADKH/EU	AM082JNADKH/EU
Model Code		Standard	EEV	AM015JNADKH/EU	AM022JNADKH/EU	AM028JNADKH/EU	AM036JNADKH/EU	AM045JNADKH/EU	AM056JNADKH/EU	AM071JNADKH/EU	AM082JNADKH/EU	
Power Supply		Φ, #, V, Hz	-	1.2.220-240.50/60	1.2.220-240.50/60	1.2.220-240.50/60	1.2.220-240.50/60	1.2.220-240.50/60	1.2.220-240.50/60	1.2.220-240.50/60	1.2.220-240.50/60	
Mode			-	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	1.50	2.20	2.80	3.60	4.50	5.60	7.10	8.20	
			Btu/h	5,100	7,500	9,600	12,300	15,400	19,100	24,200	28,000	
	Heating	kW	1.70	2.50	3.20	4.00	5.00	6.30	8.00	8.50		
		Btu/h	5,800	8,500	10,900	13,600	17,100	21,500	27,300	29,000		
Power	Power Input (Nominal)	Cooling	W	14.00	15.00	16.00	20.00	31.00	27.00	41.00	55.00	
			Heating	16.00	18.00	24.00	28.00	41.00	37.00	53.00	72.00	
	Current Input (Nominal)	Cooling	A	0.12	0.13	0.13	0.15	0.24	0.21	0.31	0.42	
			Heating	0.13	0.15	0.19	0.20	0.31	0.29	0.41	0.55	
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	
			Output x n	W	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1	27 x 1
	Air Flow Rate	H/M/L (L/L)	CMM	4.40/4.20/3.80	5.40/4.70/4.00	5.70/5.00/4.30	7.10/5.70/4.60	8.90/7.50/6.00	11.80/10.00/8.20	14.80/12.40/10.00	16.70/14.30/12.40	
			l/s	73.33/70.00/63.33	90.00/78.33/66.67	95.00/83.33/71.67	118.33/95.00/76.67	148.33/125.00/100.00	196.67/166.67/136.67	246.67/206.67/166.67	278.33/238.33/206.67	
External Pressure	Min / Std / Max	mmAq	-	-	-	-	-	-	-	-	-	
		Pa	-	-	-	-	-	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35	6.35	6.35	9.52	9.52	
			Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"
	Gas Pipe	Φ, mm	12.70	12.70	12.70	12.70	12.70	12.70	12.70	15.88	15.88	
			Φ, inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"
Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE	ID 18 HOSE		
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	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	0.75~1.5	0.75~1.5	0.75~1.5	0.75~1.5	
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Sound	Sound Pressure	High / Mid / Low	dB(A)	26.0/24.0/21.0	33.0/28.0/23.0	35.0/30.0/25.0	36.0/32.0/29.0	40.0/37.0/33.0	39.0/35.0/32.0	44.0/40.0/36.0	47.0/42.0/40.0	
			dB(A)	28.0/25.0/24.0	33.0/29.0/25.0	36.0/31.0/25.0	37.0/34.0/30.0	41.0/38.0/34.0	39.0/36.0/33.0	44.0/41.0/36.0		
	Sound Power	Cooling	dB(A)	44.0	50.0	53.0	54.0	57.0	57.0	61.0	65.0	
			kg	7.70	7.70	7.80	9.40	9.40	14.20	14.20	14.20	
Dimensions	Net Weight (EEV)	kg	7.90	7.90	8.00	9.60	9.60	14.50	14.50	14.50		
	Shipping Weight	kg	9.10	9.10	9.20	11.00	11.00	17.50	17.50	17.50		
	Shipping Weight (EEV)	kg	9.30	9.30	9.40	11.20	11.20	17.70	17.70	17.70		
	Net Dimensions (W×H×D)	mm	750 x 249 x 246	750 x 249 x 246	750 x 249 x 246	826 x 261 x 261	826 x 261 x 261	1065 x 301 x 294	1065 x 301 x 294	1065 x 301 x 294		
	Shipping Dimensions (W×H×D)	mm	800 x 298 x 302	800 x 298 x 302	800 x 298 x 302	886 x 317 x 335	886 x 317 x 335	1123 x 354 x 384	1123 x 354 x 384	1123 x 354 x 384		
	Panel model	-	-	-	-	-	-	-	-	-	-	
Panel Size	Panel Net Weight	kg	-	-	-	-	-	-	-	-	-	
	Shipping Weight	kg	-	-	-	-	-	-	-	-	-	
	Net Dimensions (W×H×D)	mm	-	-	-	-	-	-	-	-	-	
	Shipping Dimensions (W×H×D)	mm	-	-	-	-	-	-	-	-	-	
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-	-	-	-	-	
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-	-	-	-	-	
Air Filter	-	-	-	-	-	-	-	-	-	-		

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Optional Accessories



Standard Accessories





Ceiling

- 2Way Installation
- Compact but Powerful
- New Communication Protocol



Big Ceiling

- Powerful Cooling
- Long wind distance
- Virus Doctor (Option)
- Easy to maintain
- New Communication Protocol

Ceiling				
Model Code		AM018FNCDC/AA	AM024FNCDC/AA	
Power Supply	Φ, #, V, Hz	1,2,208-230,60	1,2,208-230,60	
Mode	-	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	HP/HR 5.28 18,000 Btu/h	
		Heating	HP/HR 7.91 27,000 Btu/h	
	Power Input (Nominal)	Cooling	72.00 W	80.00 W
		Heating	72.00 W	80.00 W
Current Input (Nominal)	Cooling	0.42 A	0.48 A	
	Heating	0.42 A	0.48 A	
Motor	Type	Sirocco Fan	Sirocco Fan	
Fan	Output x n	25 x 1	35 x 1	
	Air Flow Rate	H/M/L (UL) CMM l/s	14.00/13.00/12.00 233.33/216.67/200.00	18.00/16.50/15.00 300.00/275.00/250.00
External Pressure	Min / Std / Max	mmAq Pa	- -	
	Liquid Pipe	Φ, mm Φ, inch	6.35 1/4"	9.52 3/8"
Piping Connections	Gas Pipe	Φ, mm Φ, inch	12.70 1/2"	15.88 5/8"
	Drain Pipe	Φ, mm	ID 18 HOSE	ID 18 HOSE
Field Wiring	Power Source Wire	mm ²	AWG 14	AWG 14
	Transmission Cable	mm ²	2 X 16 AWG SHIELDED	2 X 16 AWG SHIELDED
Refrigerant	Type	-	R410A	R410A
	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	High / Mid / Low	40.0/37.0/34.0	44.0/42.0/40.0
	Sound Power	Cooling	-	-
Dimensions	Net Weight	kg	21.00	21.00
	Shipping Weight	kg	25.50	25.50
	Net Dimensions (W×H×D)	mm	1000 x 650 x 200	1000 x 650 x 200
	Shipping Dimensions (W×H×D)	mm	1080 x 730 x 300	1080 x 730 x 300
	Panel model	-	-	-
Panel Size	Panel Net Weight	kg	-	-
	Shipping Weight	kg	-	-
	Net Dimensions (W×H×D)	mm	-	-
	Shipping Dimensions (W×H×D)	mm	-	-
Additional Accessories	Drain pump	Drain pump - / Model name	-	-
	Air Filter	Max. lifting Height / Displacement mm / liter/h	-	-

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Big Ceiling				
Model Code		AM112JNC DKH/EU	AM140JNC DKH/EU	
Power Supply	Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60	
Mode	-	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	HP/HR 11.20 38,200 Btu/h	
		Heating	HP/HR 16.00 54,600 Btu/h	
	Power Input (Nominal)	Cooling	92.00 W	160.00 W
		Heating	80.00 W	160.00 W
Current Input (Nominal)	Cooling	0.94 A	1.45 A	
	Heating	0.83 A	1.45 A	
Motor	Type	Sirocco Fan	Sirocco Fan	
Fan	Output x n	260 x 1	355 x 1	
	Air Flow Rate	H/M/L (UL) CMM l/s	29.30/23.90/18.50 488.33/398.33/308.33	36.40/30.80/26.00 606.67/513.33/433.33
External Pressure	Min / Std / Max	mmAq Pa	- -	
	Liquid Pipe	Φ, mm Φ, inch	9.52 3/8"	9.52 3/8"
Piping Connections	Gas Pipe	Φ, mm Φ, inch	15.88 5/8"	15.88 5/8"
	Drain Pipe	Φ, mm	VP25 (OD 25, ID 20)	VP25 (OD 25, ID 20)
Field Wiring	Power Source Wire	mm ²	1.5 ~ 2.5	1.5 ~ 2.5
	Transmission Cable	mm ²	0.75 ~ 1.50	0.75 ~ 1.50
Refrigerant	Type	-	R410A	R410A
	Control Method	-	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High / Mid / Low	45.0/41.0/37.0	46.0/43.0/38.0
	Sound Power	Cooling	61.0	63.0
Dimensions	Net Weight	kg	33.50	42.50
	Shipping Weight	kg	39.50	48.50
	Net Dimensions (W×H×D)	mm	1350 x 235 x 675	1650 x 235 x 675
	Shipping Dimensions (W×H×D)	mm	1439 x 758 x 321	1739 x 758 x 321
	Panel model	-	-	-
Panel Size	Panel Net Weight	kg	-	-
	Shipping Weight	kg	-	-
	Net Dimensions (W×H×D)	mm	-	-
	Shipping Dimensions (W×H×D)	mm	-	-
Additional Accessories	Drain pump	Drain pump - / Model name	-	-
	Air Filter	Max. lifting Height / Displacement mm / liter/h	-	-

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Optional Accessories



Optional Accessories





PAC

Medium

- Powerful and clean cooling
- 4Way Auto swing
- Full touch panel control
- Auto shutter

Large

- 18m long-range air flow
- Duct installation for a large space



Hydro Unit (HE)

- Integrated Solution
- Water Temperature Choice
- Easy&Simple Connection
- Integrated Control

PAC		AM140JNPKH/TK	AM280JNPKH/TK
Model Code		AM140JNPKH/TK	AM280JNPKH/TK
Power Supply	Φ, #, V, Hz	1,2,208-230,50/60	1,2,208-230,50/60
Mode		HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling T1 (kW)	14
		T3 (kW)	12.5
	Heating	T1 (kW)	16
		T3 (kW)	-
Power	Power Input (Nominal)	Cooling T1 (W)	190
		T3 (W)	190
	Current Input (Nominal)	Cooling T1 (A)	0.9
		T3 (A)	0.9
Fan	Type	Sirocco Fan	Sirocco Fan
	Motor Output x n	W	154 x 1
	Air Flow Rate	H/M/L (UL)	CMM
	External Pressure	Min / Std / Max	mmAq
Piping Connections	Liquid Pipe	Φ, mm	9.52
	Gas Pipe	Φ, inch	3/8"
	Drain Pipe	Φ, mm	15.88
	Field Wiring	Power Source Wire	mm ²
Refrigerant	Type	R410A	R410A
	Control Method	EEV INCLUDED	EEV INCLUDED
Sound	Sound Pressure	High	dB(A)
	Net Weight	kg	48
Dimensions	Shipping Weight	kg	55
	Net Dimensions (W×H×D)	mm	610 x 1850 x 400
	Shipping Dimensions (W×H×D)	mm	705 x 1963 x 493
	Panel Size	Panel model	
Additional Accessories	Drain pump	Max. lifting Height / Displacement	mm / liter/h
	Air Filter		-

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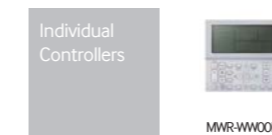
Hydro Unit (HE)		AM160FNBDEH/EU	AM320FNBDEH/EU	AM500FNBDEH/EU
Model Code		AM160FNBDEH/EU	AM320FNBDEH/EU	AM500FNBDEH/EU
Power Supply	Φ, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60
Mode		HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	14.00
		Btu/h	47,800	
	Heating	kW	16.00	
		Btu/h	54,600	
Power	Power Input (Nominal)	Cooling	W	10.00
		Heating	W	10.00
	Current Input (Nominal)	Cooling	A	0.05
		Heating	A	0.05
Fan	Type		-	
	Motor Output x n	W	-	
	Air Flow Rate	H/M/L (UL)	CMM	
	External Pressure	Min / Std / Max	mmAq	
Piping Connections	Liquid Pipe	Φ, mm	9.52	
	Gas Pipe	Φ, inch	3/8"	
	Drain Pipe	Φ, mm	15.88	
	Field Wiring	Power Source Wire	mm ²	2.5 ~ 2.5
Refrigerant	Type	R410A	R410A	
	Control Method	EEV INCLUDED	EEV INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	
	Net Weight	kg	29.00	
Dimensions	Shipping Weight	kg	31.00	
	Net Dimensions (W×H×D)	mm	518 x 627 x 330	
	Shipping Dimensions (W×H×D)	mm	652 x 700 x 426	
	Panel Size	Panel model		-
Additional Accessories	Drain pump	Max. lifting Height / Displacement	mm / liter/h	
	Air Filter		-	

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Optional Accessories






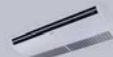

Optional Accessories


















CAC LINE UP & FEATURE

CASSETTE				
MODEL				
CAPACITY (kW)	kW	KBtu/h	4Way CST	360Cassette
	5.3	18	●	●
	5.6	19.1	●	●
	5.9	20	●	●
	7	24	●	●
	8.8	30	●	●
	10.6	36	●	●
12.3	42	●	●	
14.1	48	●	●	
FEATURES	 Powerful Airflow		●	●
	 Ceiling Dust Prevention		●	●
	 Fresh Air Intake		●	●
	 High Lift-up Drain Pump		●	●
	 Sub Duct		●	●

ROOFTOP				
MODEL				
CAPACITY	kW	KBtu/h		
	10.3	35	●	●
	13.8	47	●	●
17.3	59	●	●	
FEATURES	 2Way Installation		●	●
	 Horizontal Discharge		●	●

Big Ceiling				
MODEL				
CAPACITY	kW	KBtu/h	Or/Off	Inverter
	10.3	35	●	●
	11.1	38	●	●
	13.5	46	●	●
	15.8	54	●	●
17	58	●	●	

DUCT				
MODEL				
CAPACITY (kW)	kW	KBtu/h	DUCT S	Big Duct (HSP)
	5.3	18	●	●
	6.9	23.5	●	●
	11.1	38	●	●
	13.6	46.5	●	●
	15.5	53	●	●
	17.6	60	●	●
FEATURES	 The Slimmest Design		●	●
	 High Efficient H.E.X		●	●
	 Auto E.S.P Adjustment		●	●
	 3-way Service		●	●
	 Smart Pressure Control		●	●
	 Easier drain pump installation		●	●
	 High Lift-up Drain Pump		●	●
	 Pre Filter		●	●
	 Easy Filter Cleaning		●	●
	 Virus Doctor (Optional)		●	●
 Smart Wi-Fi (Optional)		●	●	
 Zone Control (Optional)		●	●	

ERV		
MODEL	CMH	
	250	●
	350	●
	500	●
	800	●
	1000	●



360 Cassette

- Cold Draft Free
- Perfect even cooling
- Stylish design
- New communication Protocol

360 Cassette		360 CST (Square)		360 CST (Circle)		360 CST (Square)		360 CST (Circle)		360 CST (Square)		360 CST (Circle)	
Type	Indoor Unit	AC018KN4DCH/AA	AC018JXADCH/AA	AC024KN4DCH/AA	AC024JXADCH/AA	AC024KN4DCH/AA	AC024JXADCH/AA	AC030KN4DCH/AA	AC030JXADCH/AA	AC030KN4DCH/AA	AC030JXADCH/AA	AC030KN4DCH/AA	AC030JXADCH/AA
Model Code	Outdoor Unit	AC018KN4DCH/AA	AC018JXADCH/AA	AC024KN4DCH/AA	AC024JXADCH/AA	AC024KN4DCH/AA	AC024JXADCH/AA	AC030KN4DCH/AA	AC030JXADCH/AA	AC030KN4DCH/AA	AC030JXADCH/AA	AC030KN4DCH/AA	AC030JXADCH/AA
Mode		HEAT PUMP		HEAT PUMP		HEAT PUMP		HEAT PUMP		HEAT PUMP		HEAT PUMP	
Capacity	Cooling (Min / Std / Max)	1.47/5.28/6.15		1.47/5.28/6.15		2.05/7.03/7.91		2.05/7.03/7.91		2.73/8.79/10.26		2.73/8.79/10.26	
	Heating (Min / Std / Max)	1.11/5.86/7.33		1.11/5.86/7.33		1.52/7.91/9.09		1.52/7.91/9.09		2.64/9.38/11.14		2.64/9.38/11.14	
Power	Power Input (Nominal)	0.35/1.58/2.30		0.35/1.58/2.30		0.46/2.16/2.50		0.46/2.16/2.50		0.70/2.89/4.00		0.70/2.89/4.00	
	Current Input (Nominal)	0.26/1.60/2.70		0.26/1.60/2.70		0.38/2.47/3.50		0.38/2.47/3.50		0.65/3.06/5.50		0.65/3.06/5.50	
System	MCA	8.09 (MCA)		8.09 (MCA)		12.06 (MCA)		12.06 (MCA)		19.71 (MCA)		19.71 (MCA)	
	EER (Nominal Cooling)	3.34		3.34		3.26		3.26		3.04		3.04	
Energy Efficiency	COP (Nominal Heating)	3.66		3.66		3.20		3.20		3.06		3.06	
	Energy Grade	SEER 20.1		SEER 20.1		SEER 20.5		SEER 20.5		SEER 19.2		SEER 19.2	
Piping Connections	Liquid Pipe	1/4"		1/4"		1/4"		1/4"		3/8"		3/8"	
	Gas Pipe	1/2"		1/2"		5/8"		5/8"		5/8"		5/8"	
Field Wiring	Power Source Wire	30		30		50		50		50		50	
	Transmission Cable	20.0		20.0		30.0		30.0		30.0		30.0	
Refrigerant	Type	R410A		R410A		R410A		R410A		R410A		R410A	
	Control Method	-		-		-		-		-		-	
Power Supply	Type	1,2,208-230,60		1,2,208-230,60		1,2,208-230,60		1,2,208-230,60		1,2,208-230,60		1,2,208-230,60	
	Motor Output	65.00		65.00		65.00		65.00		97.00		97.00	
Fan	Air Flow Rate	18.29/15.49/13.59		18.29/15.49/13.59		18.29/15.49/13.59		18.29/15.49/13.59		25.60/20.98/17.90		25.60/20.98/17.90	
	External Static Pressure	304.87/258.15/226.53		304.87/258.15/226.53		304.87/258.15/226.53		304.87/258.15/226.53		426.63/349.70/298.26		426.63/349.70/298.26	
Indoor Unit	Drain Pipe	VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)	
	Sound Pressure	35.0 / 32.0 / 29.0		35.0 / 32.0 / 29.0		36.0 / 33.0 / 29.0		36.0 / 33.0 / 29.0		38.0 / 35.0 / 31.0		38.0 / 35.0 / 31.0	
External Dimension	Net Weight	21.00		21.00		21.00		21.00		24.00		24.00	
	Shipping Weight	25.00		25.00		25.00		25.00		28.50		28.50	
Panel Size	Net Dimensions (WxHxD)	947 x 281 x 947		947 x 281 x 947		947 x 281 x 947		947 x 281 x 947		947 x 365 x 947		947 x 365 x 947	
	Shipping Dimensions (WxHxD)	990 x 330 x 990		990 x 330 x 990		990 x 330 x 990		990 x 330 x 990		990 x 414 x 990		990 x 414 x 990	
Additional Accessories	Drain pump	-		-		-		-		-		-	
	Air Filter	-		-		-		-		-		-	
Compressor	Type	Twin BLDC Rotary		Twin BLDC Rotary		Twin BLDC Rotary		Twin BLDC Rotary		Twin BLDC Rotary		Twin BLDC Rotary	
	Oil Initial Charge	1.42		1.42		1.85		1.85		2.82		2.82	
Outdoor Unit	Air Flow Rate	43.86		43.86		61.98		61.98		62.83		62.83	
	Sound Pressure	48.0 / 48.0		48.0 / 48.0		50.0 / 50.0		50.0 / 50.0		50.0 / 52.0		50.0 / 52.0	
External Dimension	Net Weight	45.00		45.00		64.50		64.50		70.00		70.00	
	Shipping Weight	48.00		48.00		69.50		69.50		74.00		74.00	
Operating Temp. Range	Cooling	-18~46		-18~46		-18~46		-18~46		-18~46		-18~46	
	Heating	-20~24		-20~24		-20~24		-20~24		-20~24		-20~24	

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 * These products contain R410A which is fluorinated greenhouse gas.

Optional Accessories





360 Cassette

- Cold Draft Free
- Perfect even cooling
- Stylish design
- New communication Protocol

360 Cassette		360 CST (Square)	360 CST (Circle)	360 CST (Square)	360 CST (Circle)	360 CST (Square)	360 CST (Circle)
Type	Indoor Unit	AC036KN4DCH/AA	AC036KN4DCH/AA	AC042KN4DCH/AA	AC042KN4DCH/AA	AC048KN4DCH/AA	AC048KN4DCH/AA
Model Code	Outdoor Unit	AC036JXADCH/AA	AC036JXADCH/AA	AC042JXADCH/AA	AC042JXADCH/AA	AC048JXADCH/AA	AC048JXADCH/AA
Mode		HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min / Std / Max)	4.10/10.55/12.02	4.10/10.55/12.02	4.78/12.31/13.19	4.78/12.31/13.19	5.45/14.07/14.95	5.45/14.07/14.95
	Heating (Min / Std / Max)	3.37/11.72/14.07	3.37/11.72/14.07	3.93/13.77/14.65	3.93/13.77/14.65	4.48/15.53/16.12	4.48/15.53/16.12
Power	Power Input (Nominal)	0.93/3.00/3.60	0.93/3.00/3.60	1.08/4.20/4.60	1.08/4.20/4.60	1.24/5.41/5.50	1.24/5.41/5.50
	Current Input (Nominal)	4.80/13.60/17.00	4.80/13.60/17.00	5.60/18.80/21.00	5.60/18.80/21.00	6.40/23.80/24.00	6.40/23.80/24.00
System	MCA	22.56 (MCA)	22.56 (MCA)	22.56 (MCA)	22.56 (MCA)	22.56 (MCA)	22.56 (MCA)
	EER (Nominal Cooling)	35.00	35.00	35.00	35.00	35.00	35.00
Energy Efficiency	COP (Nominal Heating)	3.52	3.52	2.93	2.93	2.60	2.60
	Energy Grade	SEER 20.7	SEER 20.7	SEER 19.7	SEER 19.7	SEER 19	SEER 19
Piping Connections	Liquid Pipe	HSPF 9.7	HSPF 9.7	HSPF 9.5	HSPF 9.5	HSPF 9.5	HSPF 9.5
	Gas Pipe	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Field Wiring	Power Source Wire	75	75	75	75	75	75
	Transmission Cable	30.0	30.0	30.0	30.0	30.0	30.0
Refrigerant	Type	R410A	R410A	R410A	R410A	R410A	R410A
	Control Method	-	-	-	-	-	-
Power Supply	Type	2.80	2.80	2.80	2.80	2.80	2.80
	Motor Output	97.00	97.00	97.00	97.00	97.00	97.00
Fan	Air Flow Rate	33.38/26.70/20.10	33.38/26.70/20.10	34.49/27.78/21.10	34.49/27.78/21.10	35.59/29.00/23.28	35.59/29.00/23.28
	External Static Pressure	556.41/445.03/335.07	556.41/445.03/335.07	574.81/462.96/351.59	574.81/462.96/351.59	593.22/483.26/387.93	593.22/483.26/387.93
Indoor Unit	Drain Pipe	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)
	Sound Pressure	43.0 / 38.0 / 32.0	43.0 / 38.0 / 32.0	44.0 / 39.0 / 34.0	44.0 / 39.0 / 34.0	45.0 / 40.0 / 35.0	45.0 / 40.0 / 35.0
External Dimension	Net Weight	24.00	24.00	24.00	24.00	24.00	24.00
	Shipping Weight	28.50	28.50	28.50	28.50	28.50	28.50
Panel Size	Net Dimensions (WxHxD)	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Shipping Dimensions (WxHxD)	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990	990 x 414 x 990
Additional Accessories	Drain pump	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
	Air Filter	3.60	2.70	3.60	3.60	3.60	2.70
Outdoor Unit	Compressor	6.00	5.10	6.00	5.10	6.00	5.10
	Oil	1000 x 94 x 1050	1050 x 94 x 1050	1000 x 94 x 1000	1050 x 94 x 1050	1000 x 94 x 1000	1050 x 94 x 1050
Fan	Air Flow Rate	86.05	86.05	86.05	86.05	86.05	86.05
	Sound Pressure	1,434.19	1,434.19	1,434.19	1,434.19	1,434.19	1,434.19
External Dimension	Net Weight	49.0 / 51.0	49.0 / 51.0	51.0 / 53.0	51.0 / 53.0	53.0 / 55.0	53.0 / 55.0
	Shipping Weight	88.00	88.00	88.00	88.00	88.00	88.00
Operating Temp. Range	Cooling	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330
	Heating	995 x 1388 x 426	995 x 1388 x 426	995 x 1388 x 426	995 x 1388 x 426	995 x 1388 x 426	995 x 1388 x 426

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 * These products contain R410A which is fluorinated greenhouse gas.

Optional Accessories





360 Cassette

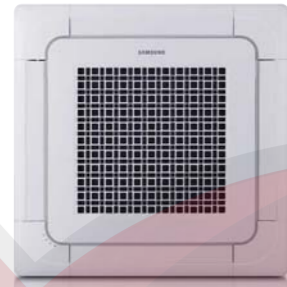
- Cold Draft Free
- Perfect even cooling
- Stylish design
- New communication Protocol

360 Cassette				360 CST (Square)		360 CST (Circle)		360 CST (Square)		360 CST (Circle)		360 CST (Square)		360 CST (Circle)		
Type	Indoor Unit			AC024KN4DKH/TC	AC024KXADKH/TC	AC024KN4DKH/TC	AC024KXADKH/TC	AC036KN4DKH/TC	AC036KXADKH/TC	AC036KN4DKH/TC	AC036KXADKH/TC	AC048KN4DKH/TC	AC048KXADKH/TC	AC048KN4DKH/TC	AC048KXADKH/TC	
Model Code	Outdoor Unit			AC024KN4DKH/TC	AC024KXADKH/TC	AC024KN4DKH/TC	AC024KXADKH/TC	AC036KN4DKH/TC	AC036KXADKH/TC	AC036KN4DKH/TC	AC036KXADKH/TC	AC048KN4DKH/TC	AC048KXADKH/TC	AC048KN4DKH/TC	AC048KXADKH/TC	
Mode				HEAT PUMP		HEAT PUMP		HEAT PUMP		HEAT PUMP		HEAT PUMP		HEAT PUMP		
Capacity	Cooling (Min / Std / Max)	kW			2.20/7.03/8.00		2.20/7.03/8.00		2.99/10.55/11.99		2.99/10.55/11.99		3.49/14.07/15.50		3.49/14.07/15.50	
	Heating (Min / Std / Max)	Btu/h			7,500/24,000/27,300		7,500/24,000/27,300		10,200/36,000/40,900		10,200/36,000/40,900		11,900/48,000/52,900		11,900/48,000/52,900	
Power	Cooling (Min / Std / Max)	kW			1.90/8.00/9.00		1.90/8.00/9.00		2.20/11.20/15.50		2.20/11.20/15.50		3.49/15.50/17.99		3.49/15.50/17.99	
	Heating (Min / Std / Max)	Btu/h			6,500/27,300/30,700		6,500/27,300/30,700		7,500/38,200/52,900		7,500/38,200/52,900		11,900/52,900/61,400		11,900/52,900/61,400	
System	Power Input (Nominal)	kW			0.35/2.52/3.95		0.35/2.52/3.95		0.60/3.67/4.70		0.60/3.67/4.70		0.80/5.00/6.44		0.80/5.00/6.44	
	Current Input (Nominal)	A			2.00/11.20/17.00		2.00/11.20/17.00		3.00/16.20/20.40		3.00/16.20/20.40		3.70/21.70/28.00		3.70/21.70/28.00	
Energy Efficiency	MCA	A			21.50 (MCA)		21.50 (MCA)		24.50 (MCA)		24.50 (MCA)		33.50 (MCA)		33.50 (MCA)	
	EER (Nominal Cooling)	-			23.65		23.65		26.95		26.95		36.85		36.85	
Piping Connections	COE (Nominal Heating)	-			2.79		2.79		3.56		3.56		4.44		4.44	
	Energy Grade	Energy Grade (C)			-		-		-		-		-		-	
Field Wiring	Liquid Pipe	mm			6.35		6.35		9.52		9.52		9.52		9.52	
	Gas Pipe	mm			15.88		15.88		15.88		15.88		15.88		15.88	
Refrigerant	Installation Limitation	m			50		50		50		50		75		75	
	Max. Height (Between ID/OD)	m			30.0		30.0		30.0		30.0		30.0		30.0	
Power Supply	Power Source Wire	-			2.5		2.5		2.5		2.5		2.5		2.5	
	Transmission Cable	-			0.75 ~ 1.5		0.75 ~ 1.5		0.75 ~ 1.5		0.75 ~ 1.5		0.75 ~ 1.5		0.75 ~ 1.5	
Fan	Type	-			R410A		R410A		R410A		R410A		R410A		R410A	
	Control Method	-			-		-		-		-		-		-	
Indoor Unit	Factory Charging	kg			1.50		1.50		3.00		3.00		3.50		3.50	
	Power Supply	Φ, #, V, Hz			1,2,220-240,60		1,2,220-240,60		1,2,220-240,60		1,2,220-240,60		1,2,220-240,60		1,2,220-240,60	
Sound	Type	-			Turbo Fan		Turbo Fan		Turbo Fan		Turbo Fan		Turbo Fan		Turbo Fan	
	Output	W			65.00		65.00		97.00		97.00		97.00		97.00	
External Dimension	Number of Unit	EA			1.00		1.00		1.00		1.00		1.00		1.00	
	Air Flow Rate	CMM			17.50/15.90/14.30		17.50/15.90/14.30		31.20/25.50/19.80		31.20/25.50/19.80		32.40/27.10/22.80		32.40/27.10/22.80	
Panel Size	External Static Pressure	mmAq			291.67/265.00/238.33		291.67/265.00/238.33		520.00/425.00/330.00		520.00/425.00/330.00		540.00/451.67/380.00		540.00/451.67/380.00	
	Min / Std / Max	Pa			-		-		-		-		-		-	
Additional Accessories	Drain Pipe	mm			VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)		VP25 (OD 32, ID 25)	
	Sound Pressure	High / Mid / Low			36.0 / 33.0 / 29.0		36.0 / 33.0 / 29.0		44.0 / 39.0 / 33.0		44.0 / 39.0 / 33.0		45.0 / 41.0 / 37.0		45.0 / 41.0 / 37.0	
Operating Temp. Range	Sound Power	Cooling			-		-		-		-		-		-	
	Net Weight	kg			21.00		21.00		24.00		24.00		26.00		25.50	
Outdoor Unit	Shipping Weight	kg			25.00		25.00		29.00		28.50		31.00		30.00	
	Net Dimensions (WxHxD)	mm			947 x 281 x 947		947 x 281 x 947		947 x 365 x 947		947 x 365 x 947		947 x 365 x 947		947 x 365 x 947	
Individual Controllers	Shipping Dimensions (WxHxD)	mm			990 x 330 x 990		990 x 330 x 990		990 x 414 x 990		990 x 414 x 990		990 x 414 x 990		990 x 414 x 990	
	Panel model	-			PC4NUDMAN		PC4NUNMAN		PC4NUNMAN		PC4NUNMAN		PC4NUNMAN		PC4NUNMAN	
Panel	Panel Net Weight	kg			3.60		2.70		3.60		3.60		2.70		2.70	
	Shipping Weight	kg			6.00		5.10		6.00		5.10		6.00		5.10	
Optional Accessories	Net Dimensions (WxHxD)	mm			1000 x 66 x 1000		1050 x 94 x 1050		1000 x 66 x 1000		1050 x 94 x 1050		1000 x 66 x 1000		1050 x 94 x 1050	
	Shipping Dimensions (WxHxD)	mm			1093 x 85 x 1083		1093 x 85 x 1083		1093 x 85 x 1083		1093 x 85 x 1083		1093 x 85 x 1083		1093 x 85 x 1083	
Individual Controllers	Drain pump	mm/liter/h			-		-		-		-		-		-	
	Max. Lifting Height / Displacement	-			-		-		-		-		-		-	
Individual Controllers	Air Filter	-			-		-		-		-		-		-	
	Power Supply	Φ, #, V, Hz			1,2,220-240,60		1,2,220-240,60		1,2,220-240,60		1,2,220-240,60		1,2,220-240,60		1,2,220-240,60	
Individual Controllers	Type	-			BLDC Rotary		BLDC Rotary		BLDC Rotary		BLDC Rotary		Twin BLDC Rotary		Twin BLDC Rotary	
	Model	-			UG4T200FUAE4		UG4T200FUAE4		UG8T300FUBJU		UG8T300FUBJU		UGST450FUEJX		UGST450FUEJX	
Individual Controllers	Output	kW			1.79		1.79		9.17		9.17		4.12		4.12	
	Oil	Type			POE		POE		POE		POE		PVE		PVE	
Individual Controllers	Initial Charge	cc			-		-		-		-		-		-	
	Fan	Air Flow Rate			Cooling		58.50		78.00		78.00		111.00		111.00	
Individual Controllers	Sound Pressure	Cooling / Heating			975.00		975.00		1,300.00		1,300.00		1,850.00		1,850.00	
	Sound Power	Cooling			49.0 / 51.0		49.0 / 51.0		52.0 / 54.0		52.0 / 54.0		53.0 / 54.0		53.0 / 54.0	
Individual Controllers	Net Weight	kg			50.50		50.50		72.00		72.00		92.50		92.50	
	Shipping Weight	kg			55.00		55.00		77.00		77.00		102.50		102.50	
Individual Controllers	Net Dimensions (WxHxD)	mm			880 x 798 x 310		880 x 798 x 310		940 x 998 x 330		940 x 998 x 330		940 x 1210 x 330		940 x 1210 x 330	
	Shipping Dimensions (WxHxD)	mm			1023 x 891 x 413		1023 x 891 x 413		995 x 1096 x 426		995 x 1096 x 426		995 x 1338 x 426		995 x 1338 x 426	
Individual Controllers	Operating Temp. Range	Cooling			-15~50		-15~50		-15~50		-15~50		-15~50		-15~50	
	Heating	°C			-20~24		-20~24		-20~24		-20~24		-20~24		-20~24	

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Optional Accessories





4Way Cassette

- Virus Doctor (Optional)
- Surround Flow
- Individual Blade Control
- Fan Speed Adjustment for High Ceiling
- New Communication Protocol

4Way Cassette			AC018JN4DCH/AA	AC024JN4DCH/AA	AC030JN4DCH/AA	AC036JN4DCH/AA	AC042JN4DCH/AA	AC048JN4DCH/AA
Model Code	Indoor Unit	Outdoor Unit	AC018JXADCH/AA	AC024JXADCH/AA	AC030JXADCH/AA	AC036JXADCH/AA	AC042JXADCH/AA	AC048JXADCH/AA
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
			1.47/5.28/6.15	2.05/7.03/7.91	2.73/8.79/10.26	4.10/10.55/12.02	4.78/12.31/13.19	5.45/14.07/14.95
Capacity	Cooling (Min / Std / Max)	kW	5,000/18,000/21,000	7,000/24,000/27,000	9,300/30,000/35,000	14,000/36,000/41,000	16,600/42,000/45,000	18,600/48,000/51,000
	Heating (Min / Std / Max)	kW	1.11/3.86/7.33	1.52/7.91/9.09	2.64/9.38/11.14	3.37/11.72/14.07	3.93/13.77/14.65	4.48/15.53/16.12
Power	Power Input (Nominal)	kW	3,800/20,000/25,000	5,200/27,000/31,000	9,000/32,000/38,000	11,500/40,000/48,000	13,400/47,000/50,000	15,300/53,000/55,000
	Current Input (Nominal)	A	0.35/1.54/2.20	0.45/2.11/2.50	0.70/2.89/4.00	0.93/2.98/3.60	1.08/4.04/4.50	1.24/4.95/5.00
System	MCA	A	7.70 (MCA)	11.70 (MCA)	19.30 (MCA)	22.20 (MCA)	22.20 (MCA)	22.20 (MCA)
	MFA	A	15.00	20.00	30.00	35.00	35.00	35.00
Energy Efficiency	EER (Nominal Cooling)	-	3.43	3.33	3.04	3.54	3.05	2.84
	COP (Nominal Heating)	-	3.66	3.17	3.02	3.37	3.17	3.08
Piping Connections	Liquid Pipe	φ, mm	6.35	6.35	9.52	9.52	9.52	9.52
	Gas Pipe	φ, mm	1.4"	1.4"	3/8"	3/8"	3/8"	3/8"
Field Wiring	Installation Max Length (Outdoor to indoor)	m	12.70	15.88	15.88	15.88	15.88	15.88
	Limitation Max Height (Between ID/OD)	m	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Refrigerant	Power Source Wire	-	30	50	50	75	75	75
	Control Method	-	200	30.0	30.0	30.0	30.0	30.0
Power Supply	Factory Charging	kg	1.30	2.10	2.60	2.80	2.80	2.80
	Type	φ, #, V, Hz	1.2,208-230,60	1.2,208-230,60	1.2,208-230,60	1.2,208-230,60	1.2,208-230,60	1.2,208-230,60
Fan	Motor Output	W	65.00	65.00	97.00	97.00	97.00	97.00
	Number of Unit	EA	1.00	1.00	1.00	1.00	1.00	1.00
Indoor Unit	Air Flow Rate	High / Mid / Low	16.42/-/-	16.42/-/-	23.79/-/-	28.88/-/-	33.13/-/-	34.83/-/-
	External Static Pressure	mmAq	273.67/-/-	273.67/-/-	396.50/-/-	481.33/-/-	552.17/-/-	580.50/-/-
Sound	Drain Pipe	φ, mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
	Sound Pressure	High / Mid / Low	36.0 / 33.0 / 30.0	36.0 / 33.0 / 30.0	38.0 / 35.0 / 32.0	43.0 / 38.0 / 33.0	44.0 / 40.0 / 34.0	45.0 / 41.0 / 35.0
External Dimension	Sound Power	Cooling	51.0	51.0	53.0	59.0	60.0	60.0
	Net Weight	kg	15.50	15.50	19.00	19.00	19.00	19.00
Panel Size	Shipping Weight	kg	19.50	19.50	24.00	24.00	24.00	24.00
	Net Dimensions (WxHxD)	mm	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
Additional Accessories	Shipping Dimensions (WxHxD)	mm	898 x 275 x 898	898 x 275 x 898	898 x 357 x 898	898 x 357 x 898	898 x 357 x 898	898 x 357 x 898
	Panel model	-	PC4NUSKFN	PC4NUSKFN	PC4NUSKFN	PC4NUSKFN	PC4NUSKFN	PC4NUSKFN
Power Supply	Panel Net Weight	kg	5.80	5.80	8.40	8.40	8.40	8.40
	Shipping Weight	kg	8.40	8.40	8.40	8.40	8.40	8.40
Compressor	Net Dimensions (WxHxD)	mm	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Shipping Dimensions (WxHxD)	mm	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005	1005 x 100 x 1005
Outdoor Unit	Drain pump	Drain pump	-	-	-	-	-	-
	Max Lifting Height / Displacement	mm/liter/h	-	-	-	-	-	-
Fan	Air Filter	-	1.2,208-230,60	1.2,208-230,60	1.2,208-230,60	1.2,208-230,60	1.2,208-230,60	1.2,208-230,60
	Type	φ, #, V, Hz	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Sound	Model	-	UG4T1200LNBEQ	UG4T1200LNFE4	UG8T300LNBJU	UG5T450FUEJX	UG5T450FUEJX	UG5T450FUEJX
	Output	kW	1.42	1.85	2.82	4.12	4.12	4.12
External Dimension	Type	-	POE	POE	POE	POE	POE	POE
	Initial Charge	cc	-	-	-	-	-	-
Operating Temp. Range	Air Flow Rate	Cooling	43.89	62.01	62.86	86.08	86.08	86.08
	Sound Pressure	Cooling / Heating	731.50	1,033.50	1,047.67	1,434.67	1,434.67	1,434.67
Panel	Sound Power	Cooling	48.0 / 48.0	50.0 / 50.0	50.0 / 52.0	49.0 / 51.0	51.0 / 53.0	53.0 / 55.0
	Net Weight	kg	62.0	65.0	65.0	66.0	66.0	67.0
Shipping Dimensions (WxHxD)	Shipping Weight	kg	45.00	64.50	70.00	88.00	88.00	88.00
	Net Dimensions (WxHxD)	mm	880 x 638 x 310	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330	940 x 1210 x 330	940 x 1210 x 330
Operating Temp. Range	Shipping Dimensions (WxHxD)	mm	1023 x 750 x 413	995 x 1096 x 426	995 x 1096 x 426	995 x 1388 x 426	995 x 1388 x 426	995 x 1388 x 426
	Cooling	°C	-18~46	-18~46	-18~46	-18~46	-18~46	-18~46
Panel	Heating	°C	-20~24	-20~24	-20~24	-20~24	-20~24	-20~24
	Initial Charge	cc	-	-	-	-	-	-

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Optional Accessories



Duct S



- The Slimmest and The Lightest Design
- 3-Way Service
- Wi-Fi Control (Optional)
- Zone Control (Optional)
- Automatic ESP Adjustment
- Easier Drain Pump Installation
- High Efficient Heat Exchanger
- Virus Doctor (Optional)

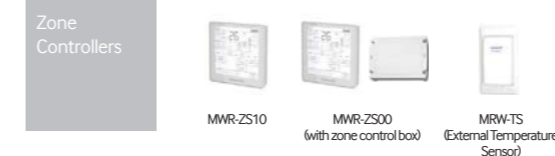
Duct S			AC018HBMDKD/TC	AC024HBMDKD/TC	AC036HBMDKD/TC	AC048HBMDKD/TC	AC048HBMDKD/TC	AC054HBMDKD/TC	AC054HBMDKD/TC	
Model Code	Indoor Unit	Outdoor Unit	AC018HCRD/TC	AC024HCRD/TC	AC036HCRD/TC	AC048HCRD/TC	AC048HCRD/TC	AC054HCRD/TC	AC054HCRD/TC	
System	Mode		COOLING ONLY		COOLING ONLY		COOLING ONLY		COOLING ONLY	
	Capacity	Cooling (Min / Std / Max)	5.28	6.89	11.14	13.64	15.53	15.53	15.53	15.53
		Heating (Min / Std / Max)	18,000	23,500	38,000	46,500	46,500	53,000	53,000	53,000
	Power	Power Input (Nominal)	1.85	2.40	3.70	4.70	4.56	5.00	5.00	5.00
		Current Input (Nominal)	8.50	10.50	17.00	22.00	8.00	22.00	8.70	8.70
		MCA	13.70 (MCA)	18.70 (MCA)	31.70 (MCA)	42.70 (MCA)	16.70 (MCA)	43.50 (MCA)	17.50 (MCA)	17.50 (MCA)
		MFA	15.10	20.60	50.00	50.00	18.40	53.50	21.00	21.00
	Energy Efficiency	EER (Nominal Cooling)	2.85	2.87	3.01	2.90	2.99	3.11	3.11	3.11
		COP (Nominal Heating)	-	-	-	-	-	-	-	-
		Energy Grade	Energy Grade (C)	-	-	-	-	-	-	-
	Indoor Unit	Liquid Pipe	φ, mm	6.35	6.35	9.52	9.52	9.52	9.52	9.52
		Piping Connections	φ, inch	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
			φ, mm	12.70	15.88	15.88	19.05	19.05	19.05	19.05
		Installation	Max Length (Outdoor to indoor)	m	30(35)	30(35)	50(55)	50(55)	50	50(55)
			Max Height (Between ID/OD)	m	15.0(15.0)	15.0(15.0)	30.0(30.0)	30.0(30.0)	30.0	30.0(30.0)
Field Wiring		Power Source Wire	-	2.5	4.5	3	3	3	3	
		Transmission Cable	-	0.75 ~ 1.5	0.75 ~ 1.5	1.25	1.25	1.25	1.25	
Refrigerant		Type	-	R22	R22	R22	R22	R22	R22	
		Control Method	-	-	-	-	-	-	-	
Power Supply		Factory Charging	-	0.85	1.00	1.50	1.85	1.85	1.90	
	φ, #, V, Hz	-	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60		
	Type	-	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan		
Fan	Motor	Output	80.00	80.00	153.00	244.00	244.00	244.00		
	Number of Unit	EA	2.00	2.00	3.00	3.00	1.00	3.00		
	Air Flow Rate	High / Mid / Low	15.00/12.00/9.00	21.00/18.00/15.00	33.00/29.00/25.00	46.00/39.00/32.00	46.00/39.00/32.00	46.00/39.00/32.00		
	External Static Pressure	Min / Std / Max	250.00/200.00/150.00	350.00/300.00/250.00	550.00/483.33/416.67	766.67/650.00/533.33	766.67/650.00/533.33	766.67/650.00/533.33		
Drain	Drain Pipe	φ, mm	0.00/2.00/6.00	0.00/2.00/6.00	0.00/2.00/10.00	0.00/2.00/10.00	0.00/2.00/10.00	0.00/2.00/10.00		
	Sound Pressure	High / Mid / Low	0.00/19.61/58.84	0.00/19.61/58.84	0.00/19.61/98.07	0.00/19.61/98.07	0.00/19.61/98.07	0.00/19.61/98.07		
	Sound Power	Cooling	VP20 (OD 26.1D 20)	VP20 (OD 26.1D 20)	VP20 (OD 26.1D 20)	VP20 (OD 26.1D 20)	VP20 (OD 26.1D 20)	VP20 (OD 26.1D 20)		
External Dimension	Net Weight	kg	25.00	25.00	32.50	38.00	38.00	38.00		
	Shipping Weight	kg	29.00	29.00	37.00	45.00	45.00	45.00		
	Net Dimensions (WxHxD)	mm	850 x 250 x 700	850 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700	1300 x 300 x 700	1300 x 300 x 700		
	Shipping Dimensions (WxHxD)	mm	1100 x 320 x 780	1100 x 320 x 780	1450 x 320 x 780	1550 x 370 x 780	1550 x 370 x 780	1550 x 370 x 780		
Additional Accessories	Panel model	-	-	-	-	-	-	-		
	Drain pump	Type	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP		
	Air Filter	Max Lifting Height / Displacement	-	-	-	-	-	-		
Outdoor Unit	Power Supply	φ, #, V, Hz	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	1,2,208-230,60	3,4,380,60	1,2,208-230,60		
	Compressor	Model	UR8D190IHEEH	URSA250JNDEM	ZR42K3-PFV-522	ZR48KC-PFV-522	ZR48KC-TF7-522	ZR54KC-PFV-522		
	Fan	Output	1.86	2.42	3.79	4.42	4.27	4.78		
	Oil	Type	SUNISO	SUNISO	MINERAL OIL	MINERAL OIL	MINERAL OIL	MINERAL OIL		
Sound	Air Flow Rate	Cooling	550.00	800.00	1242.00	1242.00	1656.00	1656.00		
	Sound Pressure	Cooling / Heating	43.00	53.00	90.00	90.00	90.00	90.00		
	Sound Power	Cooling	716.67	883.33	1,500.00	1,500.00	1,500.00	1,500.00		
	Net Weight	kg	51.0	55.0	57.0	57.0	56.0	57.0		
External Dimension	Shipping Weight	kg	43.00	50.00	84.00	86.00	85.00	98.00		
	Net Dimensions (WxHxD)	mm	46.00	53.00	95.00	95.00	107.00	107.00		
	Shipping Dimensions (WxHxD)	mm	880 x 638 x 310	880 x 638 x 310	932 x 1162 x 375	932 x 1162 x 375	932 x 1162 x 375	932 x 1162 x 375		
	Operating Temp. Range	Cooling	1024 x 750 x 414	1024 x 750 x 414	1091 x 1286 x 472	1091 x 1286 x 472	1091 x 1286 x 472	1091 x 1286 x 472		
	Heating	21~43	21~43	21~43	21~43	21~43	21~54			

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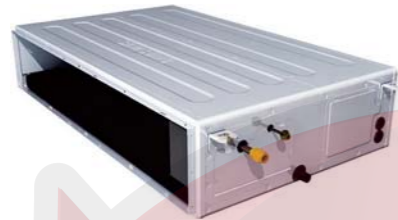
Optional Accessories



Zone Control Accessories



Duct S



- The Slimmest and The Lightest Design
- 3-Way Service
- Wi-Fi Control (Optional)
- Zone Control (Optional)
- Automatic ESP Adjustment
- Easier Drain Pump Installation
- High Efficient Heat Exchanger
- Virus Doctor (Optional)

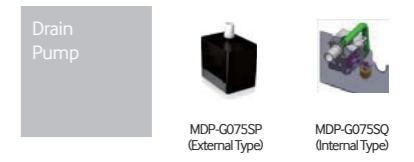
Duct S			AC018HBMDKH/TC	AC024HBMDKH/TC	AC036HBMDKH/TC	AC036HBMDKH/TC	AC048HBMDKH/TC	AC048HBMDKH/TC
Model Code	Indoor Unit	Outdoor Unit	AC018HCADKH/TC	AC024HCADKH/TC	AC036HCADKH/TC	AC036HCADNH/TC	AC048HCADKH/TC	AC048HCADNH/TC
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min / Std / Max)		1.20/5.00/6.00	2.00/7.10/8.00	2.80/10.00/12.00	2.80/10.00/12.00	4.60/14.00/15.40	4.60/14.00/15.40
	Heating (Min / Std / Max)		4.100/17.100/20.500	6.800/24.200/27.300	9.600/34.100/40.900	9.600/34.100/40.900	15.700/47.800/52.500	15.700/47.800/52.500
Power	Cooling (Min / Std / Max)		1.10/6.00/7.20	1.50/8.00/9.00	2.90/11.20/15.50	2.90/11.20/15.50	3.70/16.00/18.00	3.70/16.00/18.00
	Heating (Min / Std / Max)		3.800/20.500/24.600	5.100/27.300/30.700	9.900/38.200/52.900	9.900/38.200/52.900	12.600/54.600/61.400	12.600/54.600/61.400
System	Power Input (Nominal)		0.35/1.56/2.20	0.47/2.21/3.00	0.75/3.22/5.00	0.75/3.22/5.00	1.00/4.63/5.50	1.00/4.63/5.50
	Current Input (Nominal)		2.10/7.20/10.00	2.80/9.80/13.30	4.30/15.00/21.50	4.30/15.00/21.50	5.60/21.60/24.00	5.60/21.60/24.00
Energy Efficiency	MCA		22.70 (MCA)	22.70 (MCA)	26.70 (MCA)	26.70 (MCA)	26.70 (MCA)	26.70 (MCA)
	MFA		25	25	30	30	30	30
Piping Connections	EER (Nominal Cooling)		3.21	3.21	3.11	3.11	3.02	3.02
	COP (Nominal Heating)		3.61	3.48	3.61	3.61	3.61	3.61
Field Wiring	Energy Grade		Energy Grade (C) 6.1 (A++)	Energy Grade (C) 5.9 (A+)	Energy Grade (C) 5.6 (A+)	Energy Grade (C) 5.6 (A+)	Energy Grade (C) 5.6 (A+)	Energy Grade (C) 5.6 (A+)
	Energy Grade (H)		Energy Grade (H) 3.8 (A)	Energy Grade (H) 4.0 (A+)	Energy Grade (H) 4 (A+)	Energy Grade (H) 4 (A+)	Energy Grade (H) 4 (A+)	Energy Grade (H) 4 (A+)
Refrigerant	Liquid Pipe		φ, mm 6.35	φ, mm 6.35	φ, mm 9.52	φ, mm 9.52	φ, mm 9.52	φ, mm 9.52
	Gas Pipe		φ, mm 1.4"	φ, mm 1.4"	φ, mm 3/8"	φ, mm 3/8"	φ, mm 3/8"	φ, mm 3/8"
Power Supply	Installation Max Length (Outdoor to indoor)		30(35)	30(30)	30(30)	30	30(30)	30
	Limitation Max Height (Between ID/OD)		20.0(20.0)	30.0(30.0)	30.0(30.0)	30.0	30.0(30.0)	30.0
Additional Accessories	Power Source Wire		2.5	2.5	3	3	3	3
	Transmission Cable		0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.25	0.75 ~ 1.25	1.25	1.25
Fan	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Control Method		-	-	-	-	-	-
Drain Pump	Factory Charging		1.3	1.5	2.6	2.6	2.8	2.8
	kg		1.3	1.5	2.6	2.6	2.8	2.8
Sound	φ, #, V, Hz		1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
External Dimension	Motor Output		153	153	153	153.00	244	244.00
	Number of Unit		2	3	3	1.00	3	1.00
Panel Size	Air Flow Rate		16.00/13.50/11.00	22.00/19.00/16.00	32.00/27.00/22.00	32.00/27.00/22.00	42.00/34.00/25.00	43.00/34.00/25.00
	High / Mid / Low		266.67/225.00/183.33	366.67/316.67/266.67	533.33/450.00/366.67	533.33/450.00/366.67	700.00/566.67/416.67	716.67/566.67/416.67
Additional Accessories	External Static Pressure		0.00/3.00/15.00	0.00/3.00/15.00	0.00/4.00/15.00	0.00/4.00/15.00	0.00/5.20/15.00	0.00/5.20/15.00
	Min / Std / Max		0.00/29.42/147.10	0.00/29.42/147.10	0.00/39.23/147.10	0.00/39.23/147.10	0.00/50.99/147.10	0.00/50.99/147.10
Sound	Drain Pipe		VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)
	φ, mm		33.0 / 30.0 / 27.0	37.0 / 33.0 / 29.0	38.0 / 35.0 / 32.0	38.0 / 35.0 / 32.0	40.0 / 37.0 / 33.0	40.0 / 37.0 / 33.0
Additional Accessories	Sound Pressure		53	57	61	61	66	66
	High / Mid / Low		25	25	32	32.00	36	36.00
Sound	Sound Power		29	29	37	37.00	42	42.00
	Cooling		33.0 / 30.0 / 27.0	37.0 / 33.0 / 29.0	38.0 / 35.0 / 32.0	38.0 / 35.0 / 32.0	40.0 / 37.0 / 33.0	40.0 / 37.0 / 33.0
Additional Accessories	Net Weight		25	25	32	32.00	36	36.00
	kg		29	29	37	37.00	42	42.00
Additional Accessories	Shipping Weight		850 x 250 x 700	850 x 250 x 700	1200 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700	1300 x 300 x 700
	mm		1100 x 320 x 780	1100 x 320 x 780	1450 x 320 x 780	1450 x 320 x 780	1550 x 370 x 780	1550 x 370 x 780
Additional Accessories	Shipping Dimensions (WxHxD)		-	-	-	-	-	-
	mm		-	-	-	-	-	-
Additional Accessories	Panel Net Weight		-	-	-	-	-	-
	kg		-	-	-	-	-	-
Additional Accessories	Shipping Weight		-	-	-	-	-	-
	kg		-	-	-	-	-	-
Additional Accessories	Net Dimensions (WxHxD)		-	-	-	-	-	-
	mm		-	-	-	-	-	-
Additional Accessories	Shipping Dimensions (WxHxD)		-	-	-	-	-	-
	mm		-	-	-	-	-	-
Additional Accessories	Drain pump		MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP	MDP-G075SP
	Max Lifting Height / Displacement		-	-	-	-	-	-
Additional Accessories	Air Filter		-	-	-	-	-	-
	mm/liter/h		-	-	-	-	-	-
Additional Accessories	φ, #, V, Hz		1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	3,4,380-415,60	1,2,220-240,50/60	3,4,380-415,60
	Type		Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Additional Accessories	Model		UG4T200LNBEQ	UG4T200LNFE4	UG8T300LNBJU	UG8T300LNBJU	UG5T450FUEJXSG	UG5T450FUEJXSG
	Output		-	-	2.82	2.82	4.12	4.12
Additional Accessories	Type		POE	POE	POE	POE	POE	POE
	Initial Charge		500	700	1200	-	1700	-
Additional Accessories	Oil		44	54	1200	-	1700	-
	cc		733.33	900	-	-	-	-
Additional Accessories	Air Flow Rate		48.0 / 48.0	49.0 / 51.0	52.0 / 54.0	52.0 / 54.0	53.0 / 54.0	53.0 / 54.0
	Cooling / Heating		63	65	69	69.0	70	70.0
Additional Accessories	Sound Pressure		45	55	70	72.00	88	90.00
	Cooling		48	59	74	76.00	98	100.00
Additional Accessories	Net Weight		880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330	940 x 1210 x 330
	kg		1024 x 751 x 414	1023 x 891 x 413	995 x 1096 x 426	995 x 1096 x 426	995 x 1338 x 426	995 x 1338 x 426
Additional Accessories	Shipping Dimensions (WxHxD)		-	-	-	-	-	-
	mm		-	-	-	-	-	-
Additional Accessories	Operating Temp. Range		-15~50	-15~50	-15~50	-15~50	-15~50	-15~50
	Cooling		-20~24	-20~24	-20~24	-20~24	-20~24	-20~24

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Optional Accessories



Zone Control Accessories





Big Duct (HSP)

- The Slimmest and The Lightest Design
- New Communication Protocol
- 3-Way Service
- Easier Drain Pump Installation
- Virus Doctor (Option)



Rooftop

- 2Way Installation
- Horizontal Discharge

Big Duct			
Model Code	Indoor Unit	AC072JNHPCC/MG	AC072JNHPCH/MG
	Outdoor Unit	AC072JXQRHC/MG	AC072JXQRHH/MG
Mode		COOLING ONLY	HEAT PUMP
Capacity	Cooling (Min / Std / Max)	kW 6.01/17.58/19.99	kW 6.01/17.58/19.99
	Heating (Min / Std / Max)	Btu/h 20,500/60,000/68,200	Btu/h 4,811/19,999/22,488
Power	Cooling (Min / Std / Max)	kW 1.30/5.17/7.30	kW 1.30/5.17/7.30
	Heating (Min / Std / Max)	A 2.30/8.10/16.10	A 2.30/8.10/16.10
System	MCA	A 14.50 (MCA)	A 14.50 (MCA)
	MFA	A 15.95	A 15.95
Energy Efficiency	EER (Nominal Cooling)	- 3.40	- 3.40
	COP (Nominal Heating)	- 3.69	- 3.69
Piping Connections	Liquid Pipe	φ, mm 9.52	φ, mm 9.52
	Gas Pipe	φ, mm 19.05	φ, mm 19.05
Field Wiring	Installation Max Length (Outdoor to indoor)	m 75	m 75
	Limitation Max Height (Between ID/OD)	m 30.0	m 30.0
Refrigerant	Power Source Wire	- 2.5	- 2.5
	Transmission Cable	- 1.5~0.75	- 1.5~0.75
Power Supply	Type	- R410A	- R410A
	Factory Charging	kg 2.60	kg 4.60
Fan	Motor Output	W 630.00	W 630.00
	Number of Unit	EA 2.00	EA 2.00
Indoor Unit	Air Flow Rate	High / Mid / Low CMM 71.00/60.00/50.00	High / Mid / Low CMM 71.00/60.00/50.00
	External Static Pressure	Min / Std / Max mmAq 5.00/6.12/12.24	Min / Std / Max mmAq 5.00/6.12/12.24
Sound	Drain Pipe	φ, mm 49.03/60.02/120.03	φ, mm 50.01/60.02/120.03
	Sound Pressure	High / Mid / Low dB(A) 46.1 / 42.6 / 36.9	High / Mid / Low dB(A) 46.1 / 42.6 / 36.9
External Dimension	Net Weight	kg 82.50	kg 82.50
	Shipping Weight	kg 92.00	kg 92.00
Panel Size	Net Dimensions (WxHxD)	mm 1350 x 910 x 450	mm 1350 x 910 x 450
	Shipping Dimensions (WxHxD)	mm 1612 x 984 x 519	mm 1612 x 984 x 519
Additional Accessories	Panel model	-	-
	Panel Net Weight	kg -	kg -
Power Supply	Shipping Weight	kg -	kg -
	Net Dimensions (WxHxD)	mm -	mm -
Compressor	Shipping Dimensions (WxHxD)	mm -	mm -
	Drain pump	Drain pump Max. Lifting Height / Displacement mm/liter/h -	Drain pump Max. Lifting Height / Displacement mm/liter/h -
Outdoor Unit	Air Filter	-	-
	Type	φ, #, V, Hz 3,4,400,60	φ, #, V, Hz 3,4,400,60
Fan	Model	- Twin BLDC Rotary UG5T520FUBX	- Twin BLDC Rotary UG5T520FUBX
	Output	kW 4.01	kW 15.83
Sound	PVE	- -	- -
	Oil	cc -	cc -
External Dimension	Initial Charge	cc -	cc -
	Air Flow Rate	Cooling CMM 110.00	Cooling CMM 110.00
Operating Temp. Range	Sound Pressure	Cooling / Heating dB(A) 1,833.33	Cooling / Heating dB(A) 1,833.33
	Sound Power	Cooling dB(A) 57.2	Cooling dB(A) 57.2
Additional Accessories	Net Weight	kg 90.00	kg 107.50
	Shipping Weight	kg 100.00	kg 117.50
Operating Temp. Range	Net Dimensions (WxHxD)	mm 940 x 1420 x 330	mm 940 x 1420 x 330
	Shipping Dimensions (WxHxD)	mm 995 x 1598 x 426	mm 995 x 1598 x 426
Additional Accessories	Cooling	°C -15~52	°C -15~52
	Heating	°C -	°C -20~24

Rooftop				
Model Code	Indoor Unit	AK036HARDCC/VN	AK048HARDCC/VN	AK060HARDCC/VN
	Outdoor Unit	AK036HARDCC/VN	AK048HARDCC/VN	AK060HARDCC/VN
Mode		Cooling Only	Cooling Only	Cooling Only
Capacity	Cooling (Min / Std / Max)	kW 10.26	kW 13.77	kW 17.29
	Heating (Min / Std / Max)	Btu/h 35000	Btu/h 47000	Btu/h 59000
Power	Cooling (Min / Std / Max)	kW 4.25	kW 5.89	kW 6.99
	Heating (Min / Std / Max)	A 14.5	A 20	A 24
System	MCA	A 22.4	A 31.8	A 38.6
	MFA	A -	A -	A -
Energy Efficiency	EER (Nominal Cooling)	- 3	- 3.13	- 3.1
	COP (Nominal Heating)	- -	- -	- -
Piping Connections	Liquid Pipe	φ, mm -	φ, mm -	φ, mm -
	Gas Pipe	φ, mm -	φ, mm -	φ, mm -
Field Wiring	Installation Max Length (Outdoor to indoor)	m -	m -	m -
	Limitation Max Height (Between ID/OD)	m -	m -	m -
Refrigerant	Power Source Wire	- 12 AWG	- 10 AWG	- 10 AWG
	Transmission Cable	- 18 AWG	- 18 AWG	- 18 AWG
Power Supply	Type	- -	- -	- -
	Factory Charging	kg 2.25	kg 3.7	kg 4.2
Fan	Motor Output	W 400	W 400	W 600
	Number of Unit	EA 400	EA 400	EA 600
Indoor Unit	Air Flow Rate	High / Mid / Low CMM 43.53/38.74/34.97	High / Mid / Low CMM 52.96/48.18/43.22	High / Mid / Low CMM 58.52/56.11/53.45
	External Static Pressure	Min / Std / Max mmAq 725.5/645.6/582.8	Min / Std / Max mmAq 882.7/802.9/720.3	Min / Std / Max mmAq 975.3/935.2/890.8
Sound	Drain Pipe	φ, mm 56.97	φ, mm 76.4	φ, mm 76.4
	Sound Pressure	High / Mid / Low dB(A) -	High / Mid / Low dB(A) -	High / Mid / Low dB(A) -
External Dimension	Net Weight	kg -	kg -	kg -
	Shipping Weight	kg -	kg -	kg -
Panel Size	Net Dimensions (WxHxD)	mm -	mm -	mm -
	Shipping Dimensions (WxHxD)	mm -	mm -	mm -
Additional Accessories	Panel model	-	-	-
	Panel Net Weight	kg -	kg -	kg -
Power Supply	Shipping Weight	kg -	kg -	kg -
	Net Dimensions (WxHxD)	mm -	mm -	mm -
Compressor	Shipping Dimensions (WxHxD)	mm -	mm -	mm -
	Drain pump	Drain pump Max. Lifting Height / Displacement mm/liter/h -	Drain pump Max. Lifting Height / Displacement mm/liter/h -	Drain pump Max. Lifting Height / Displacement mm/liter/h -
Outdoor Unit	Air Filter	-	-	-
	Type	φ, #, V, Hz 1,1,208/230,60	φ, #, V, Hz 1,1,208/230,60	φ, #, V, Hz 1,1,208/230,60
Fan	Model	- Scroll ZP31KSE-PFV	- Scroll ZP44KSE-PFV	- Scroll ZP51KSE-PFV
	Output	kW -	kW -	kW -
Sound	PVE	- -	- -	- -
	Oil	cc 739	cc 1242	cc 1242
External Dimension	Initial Charge	cc -	cc -	cc -
	Air Flow Rate	Cooling CMM -	Cooling CMM -	Cooling CMM -
Operating Temp. Range	Sound Pressure	Cooling / Heating dB(A) 67.5	Cooling / Heating dB(A) 67.5	Cooling / Heating dB(A) 67.5
	Sound Power	Cooling dB(A) -	Cooling dB(A) -	Cooling dB(A) -
Additional Accessories	Net Weight	kg 152	kg 202	kg 210
	Shipping Weight	kg 156	kg 206	kg 214
Operating Temp. Range	Net Dimensions (WxHxD)	mm 1307*958*630	mm 1472*1068*840	mm 1472*1068*840
	Shipping Dimensions (WxHxD)	mm 1330*980*657	mm 1495*1090*867	mm 1495*1090*867
Additional Accessories	Cooling	°C 17~30	°C -	°C -
	Heating	°C -	°C -	°C -

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Optional Accessories

Zone Control Accessories

Optional Accessories





Big Ceiling

- Powerful Cooling
- Long wind distance
- Virus Doctor (Option)
- Easy to maintain
- New Communication Protocol



Big Ceiling

- Powerful Cooling
- Long wind distance
- Virus Doctor (Option)
- Easy to maintain

Big Ceiling		Indoor Unit	AC036JNCDKC/VN AC036JXADKC/VN	AC048JNCDKC/VN AC048JXADKC/VN	AC060JNCDKC/VN AC060JXADKC/VN
Model Code	Indoor Unit				
	Outdoor Unit				
Mode			COOLING ONLY	COOLING ONLY	COOLING ONLY
	Cooling (Min / Std / Max)		2.73/10.26/11.14	2.26/13.48/14.65	3.81/15.83/17.29
Capacity	Btu/h		9,300/35,000/38,000	7,700/46,000/50,000	13,000/54,000/59,000
	Heating (Min / Std / Max)		-	-	-
Power	Power Input (Nominal)		0.65/3.38/4.70	0.85/4.45/4.80	1.00/5.22/6.70
	Current Input (Nominal)		4.00/16.00/21.50	5.00/20.50/26.00	5.00/24.00/31.00
	MCA		26.70 (MCA)	28.70 (MCA)	36.70 (MCA)
	MFA		30.00	31.70	40.50
System	EER (Nominal Cooling)		3.04	3.03	3.03
	COP (Nominal Heating)		-	-	-
	Energy Efficiency	Energy Grade (C)	SEER 18	SEER 16	SEER 18
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52
		Φ, inch	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	15.88	15.88	19.05
		Φ, inch	5/8"	5/8"	3/4"
Field	Installation	Max Length (Outdoor to indoor)	50	50	75
	Power Source Wire	Max Height (Between ID/OD)	30.0	30.0	30.0
Wiring	Transmission Cable		0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
	Type		R410A	R410A	R410A
Refrigerant	Control Method		-	-	-
	Factory Charging		1.50	1.90	2.50
Power Supply	Φ, #, V, Hz		1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
	Type		Sirocco	Sirocco	Sirocco
Fan	Motor	Output	153.00	244.00	244.00
	Number of Unit		1.00	1.00	1.00
Air Flow Rate	High / Mid / Low		26.00/23.00/19.00	34.00/27.00/23.00	37.00/31.00/26.00
	1/5		433.33/383.33/316.67	566.67/450.00/383.33	616.67/516.67/433.33
Drain	External Static Pressure	Min / Std / Max	-	-	-
	Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)
Sound	Sound Pressure	High / Mid / Low	48.0 / 44.0 / 40.0	46.0 / 42.0 / 38.0	51.0 / 47.0 / 43.0
	Sound Power	Cooling	-	-	-
Indoor Unit	Net Weight		33.00	42.00	42.00
	Shipping Weight		39.00	48.00	48.00
	Net Dimensions (WxHxD)		1350 x 235 x 675	1650 x 235 x 675	1650 x 235 x 675
	Shipping Dimensions (WxHxD)		1439 x 321 x 758	1739 x 321 x 758	1739 x 321 x 758
Panel Size	Panel model		-	-	-
	Panel Net Weight		-	-	-
	Shipping Weight		-	-	-
	Net Dimensions (WxHxD)		-	-	-
Additional Accessories	Drain pump	Drain pump	-	-	-
	Max. Lifting Height / Displacement		-	-	-
	Air Filter		-	-	-
	Power Supply	Φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Compressor	Type		Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Model		UG8T300FUBJUSG	UG5T450FUEJX	UG5T450FAXJX
Oil	Output		2.82	4.12	4.01
	Type		POE	POE	POE
Fan	Initial Charge		cc	cc	cc
	Air Flow Rate	Cooling	50.00	100.00	110.00
Sound	Sound Pressure	Cooling / Heating	833.33	1,666.67	1,833.33
	Sound Power	Cooling	52.0	54.0	55.0
External Dimension	Net Weight		62.00	82.00	90.00
	Shipping Weight		66.00	92.00	100.00
	Net Dimensions (WxHxD)		880 x 967 x 320	932 x 1162 x 375	940 x 1420 x 330
	Shipping Dimensions (WxHxD)		1047 x 1045 x 415	1095 x 1286 x 476	995 x 1286 x 426
Operating Temp. Range	Cooling		-15~50	-15~50	-15~50
	Heating		-	-	-

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Optional Accessories



Brazil Only		SET : AC040JACBDB/AZ AC040JBCBDB1AZ AC040JCBDBD1AZ	SET : AC060JACBDB/AZ AC060JBCBDB1AZ AC060JCBDBD1AZ	AC036HCBDBD/VN AC036HCBDBD/VN	AC060HCBDBD/VN AC060HCBDBD/VN
Mode				COOLING ONLY	COOLING ONLY
	Cooling (Min / Std / Max)	11.14	17.00	11.14	17.00
Capacity	Btu/h	38,000	58,000	38,000	58,000
	Heating (Min / Std / Max)	-	-	-	-
Power	Power Input (Nominal)	3.95	6.04	3.95	6.04
	Current Input (Nominal)	18.20	18.20	18.20	18.20
	MCA	29.00 (MCA)	26.80 (MCA)	29.00 (MCA)	26.80 (MCA)
	MFA	32.90	29.50	29.50	29.50
System	EER (Nominal Cooling)	2.82	2.82	2.82	2.82
	COP (Nominal Heating)	-	-	-	-
	Energy Efficiency	Energy Grade(C) C	-	-	-
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52
		Φ, inch	3/8"	3/8"	3/8"
	Gas Pipe	Φ, mm	19.05	19.05	19.05
		Φ, inch	3/4"	3/4"	3/4"
Field	Installation	Max Length (Outdoor to indoor)	30	30	30
	Power Source Wire	Max Height (Between ID/OD)	15.0	15.0	15.0
Wiring	Transmission Cable		4 ~ 1.5	4 ~ 1.5	4 ~ 1.5
	Type		0.75 ~ 1.25	0.75 ~ 1.25	0.75 ~ 1.25
Refrigerant	Control Method		R22	R22	R22
	Factory Charging		1.70	1.30	1.70
Power Supply	Φ, #, V, Hz	1,2,220.60	1,2,220.60	1,2,220.60	1,2,220.60
	Type	Sirocco	Sirocco	Sirocco	Sirocco
Fan	Motor	Output	350.00	350.00	350.00
	Number of Unit		4.00	4.00	4.00
Air Flow Rate	High / Mid / Low		28.00/25.00/22.00	48.00/42.00/34.00	28.00/25.00/22.00
	1/5		466.67/416.67/366.67	800.00/700.00/566.67	466.67/416.67/366.67
Drain	External Static Pressure	Min / Std / Max	-	-	-
	Drain Pipe	Φ, mm	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)	VP20 (OD 25, ID 20)
Sound	Sound Pressure	High / Mid / Low	49.0 / 46.0 / 43.0	56.0 / 52.0 / 48.0	49.0 / 46.0 / 43.0
	Sound Power	Cooling	-	-	-
Indoor Unit	Net Weight		33.00	42.00	33.00
	Shipping Weight		39.00	48.00	39.00
	Net Dimensions (WxHxD)		1350 x 235 x 675	1650 x 235 x 675	1350 x 235 x 675
	Shipping Dimensions (WxHxD)		1439 x 321 x 758	1739 x 321 x 758	1439 x 321 x 758
Panel Size	Panel model		-	-	-
	Panel Net Weight		-	-	-
	Shipping Weight		-	-	-
	Net Dimensions (WxHxD)		-	-	-
Additional Accessories	Drain pump	Drain pump	-	-	-
	Max. Lifting Height / Displacement		-	-	-
	Air Filter		-	-	-
	Power Supply	Φ, #, V, Hz	1,2,220.60	3,3,460.60	1,2,220.60
Compressor	Type		.Recipro	.Scroll	.Recipro
	Model		CR42K6M-PFV	C-SB373H6A(B)	CR42K6M-PFV
Oil	Output		3.88	5.45	3.88
	Type		MINERAL	MINERAL	MINERAL
Fan	Initial Charge		cc	cc	cc
	Air Flow Rate	Cooling	70.00	90.00	70.00
Sound	Sound Pressure	Cooling / Heating	1,166.67	1,500.00	1,166.67
	Sound Power	Cooling	56.0	56.0	56.0
External Dimension	Net Weight		74.00	92.00	74.00
	Shipping Weight		79.00	102.00	79.00
	Net Dimensions (WxHxD)		880 x 967 x 320	932 x 1162 x 375	880 x 967 x 320
	Shipping Dimensions (WxHxD)		1043 x 1062 x 411	1091 x 1286 x 472	932 x 1162 x 375
Operating Temp. Range	Cooling		21~43	21~43	21~43
	Heating		-	-	-

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Optional Accessories



ERV



- CO₂ Sensor (Optional)
- Energy Saving Operation (Auto Mode)
- Flexible Installation
- Silent Operation
- Supply/Exhaust Fan
- Heat Exchanger Element
- Temperature Sensor
- BLDC Fan Motor
- New Diamond Type Element
- Slim Design
- Virus Doctor (Optional)
- New Communication Protocol

ERV		AN026JSKLN/EU	AN035JSKLN/EU	AN050JSKLN/EU	AN080JSKLN/EU	AN100JSKLN/EU
Model Code		AN026JSKLN/EU	AN035JSKLN/EU	AN050JSKLN/EU	AN080JSKLN/EU	AN100JSKLN/EU
Power Supply	φ, #, V, Hz	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60	1,2,220-240,50/60
Mode		Temperature Exchange	Temperature Exchange	Temperature Exchange	Temperature Exchange	Temperature Exchange
Performance	Air Volume	CMH	-	-	-	-
Power Input	W	115.00	115.00	175.00	330.00	450.00
Current	A	0.70	0.70	1.10	2.10	2.90
Fan	Air Flow (H / M / L)	CMH	-	-	-	-
	External Static Pressure (H / M / L)	Pa	-	-	-	-
Temperature Exchange	Cooling	%	70.00	70.00	70.00	70.00
	Heating	%	70.00	70.00	70.00	70.00
Effective Enthalpy Exchange Efficiency	Cooling	%	70.00	50.00	50.00	50.00
	Heating	%	-	-	-	-
Net Weight	kg	28.50	42.50	42.50	67.00	67.00
Gross Weight	kg	32.50	53.50	53.50	75.50	75.50
Net Dimensions (WxHxD)	mm	660 x 350 x 600	1012 x 270 x 1000	1012 x 270 x 1000	1220 x 340 x 1135	1220 x 340 x 1135
Gross Dimensions (WxHxD)	mm	760 x 400 x 807	1308 x 355 x 1192	1308 x 355 x 1192	1475 x 440 x 1330	1475 x 440 x 1330

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Optional Accessories





Free Joint Multi

- Twin BLDC Compressor
- Sine Wave Controller
- Sound Insulator for the Compressor
- Easy Installation

Free Joint Multi			RJ040F2HXBA	RJ050F2HXBA	RJ052F3HXBA	RJ060F3HXBA	RJ070F4HXBA	RJ080F4HXBA	RJ100F5HXBA	
Power Supply		Φ, #, V, Hz	1,2,220,60	1,2,220,60	1,2,220,60	1,2,220,60	1,2,220,60	1,2,220,60	1,2,220,60	
Mode			HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	Capacity (Nominal)	HP	1.50	1.80	2.00	2.50	3.00	3.50	4.00	
		Cooling	kW	4.00	5.00	5.20	5.90	7.00	8.00	10.00
	Capacity (Nominal)	Heating	Btu/h	13,600	17,100	17,700	20,100	23,900	27,300	34,100
		Heating	kW	4.40	5.70	6.30	6.30	8.60	9.30	12.00
Power	Power Input (Nominal)	Cooling	kW	1.02	1.32	1.35	1.60	1.90	2.30	2.90
		Heating	kW	0.99	1.35	1.40	1.40	2.00	2.20	2.93
	Current Input (Nominal)	Cooling	A	4.70	6.00	6.20	7.30	8.70	10.50	13.30
		Heating	A	4.50	6.20	6.40	6.40	9.20	10.10	13.40
MCA		A	9.80 (Max)	11.80 (Max)	12.20 (Max)	14.40 (Max)	18.68 (Max)	18.68 (Max)	26.12 (Max)	
	MFA	A	11.25	13.75	13.75	16.25	20.75	20.75	28.75	
COP	Nominal Cooling	-	3.92	3.79	3.85	3.69	3.68	3.48	3.45	
	Nominal Heating	-	4.44	4.22	4.50	4.50	4.30	4.23	4.10	
Compressor	Type		Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	Twin BLDC Rotary x 1	
	Output	kW x n	(1.37)	(1.37)	(5.92)	(5.92)	(2.45)	(2.45)	(9.17)	
Oil	Model Name		UG4T150FUDJQDO x 1	UG4T150FUDJQDO x 1	G8T200FUAEWSS x 1	G8T200FUAEWSS x 1	G8T260FUAEW x 1	G8T260FUAEW x 1	UG8T300FUBJUSG x 1	
	Type		POE	POE	POE	POE	POE	POE	POE	
Fan	Initial Charge	cc	650	650	650	650	700	700	1200	
	Type		Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	Propeller Fan/BLDC	
Piping Connections	Output x n	W	35.0 x 1	35.0 x 1	124.0 x 1	124.0 x 1	124.0 x 1	124.0 x 1	150.0 x 1	
	Air Flow Rate	CMM	30	33	33	41	45	45	71	
	External Static Pressure	Max. mmAq	506.67	551.67	548.33	683.33	746.67	756.67	1,176.67	
		Pa	-	-	-	-	-	-	-	
Field Wiring	Liquid Pipe	Φ, mm x EA	6.35 x 2	6.35 x 2	6.35 x 3	6.35 x 3	6.35 x 4	6.35 x 4	6.35 x 5	
	Gas Pipe	Φ, inch x EA	1/4" x 2	1/4" x 2	1/4" x 3	1/4" x 3	1/4" x 4	1/4" x 4	1/4" x 5	
		Φ, mm x EA	9.52 x 2	9.52 x 2	9.52 x 2 + 12.70	9.52 x 2 + 12.70	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 2	9.52 x 2 + 12.70 x 3
	Installation Limitation	Max. Length	20(25)	20(25)	20	20(25)	25(30)	25(30)	25(30)	
Refrigerant	Max. Height	m	15.0(15.0)	15.0(15.0)	15.0	15.0(15.0)	15.0(15.0)	15.0(15.0)	15.0(15.0)	
	Power Source Wire	mm ²	2.5 ~ 2.5	2.5 ~ 2.5	2.5 ~ 2.5	2.5 ~ 2.5	2.5 ~ 2.5	2.5 ~ 2.5	4.0 ~ 4.0	
Sound	Transmission Cable	mm ²	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.0	0.75 ~ 1.0	
	Type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	
External Dimension	Factory Charging	kg	1.30	1.60	2.20	2.20	2.80	2.80	3.30	
	Sound Pressure	dB(A)	45.0 / 46.0	46.0 / 47.0	46.0 / 47.0	48.0 / 49.0	48.0 / 49.0	50.0 / 51.0	54.0 / 55.0	
Operating Temp. Range	Sound Power	dB(A)	-	-	-	-	-	-	-	
	Net Weight	kg	37.0	40.0	49.0	56.0	65.0	65.0	74.5	
Operating Temp. Range	Shipping Weight	kg	40.0	43.0	53.0	60.0	70.0	70.0	80.0	
	Net Dimensions (WxHxD)	mm	790 x 545 x 285	790 x 545 x 285	880 x 638 x 310	880 x 798 x 310	880 x 798 x 310	880 x 798 x 310	940 x 998 x 330	
Operating Temp. Range	Shipping Dimensions (WxHxD)	mm	926 x 599 x 382	926 x 599 x 382	1,053 x 695 x 413	1,023 x 889 x 413	1,023 x 889 x 413	1,023 x 889 x 413	995 x 1,096 x 426	
	Cooling	°C	-5.0 ~ 46.0	-5.0 ~ 46.0	-5.0 ~ 46.0	-5.0 ~ 46.0	-5.0 ~ 46.0	-5.0 ~ 46.0	-10.0 ~ 46.0	
Operating Temp. Range	Heating	°C	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	-15.0 ~ 24.0	

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 * Nominal Cooling : Indoor temperature 27°CDB / 19°CWB, Outdoor temperature 35°CDB/24°CWB, Pipe length 5m, Level difference 0m.
 * Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.



Maldives

- Full HD Filter
- Smart Saver
- Turbo Cooling
- Smart Inverter
- Good' Sleep
- Quiet Mode
- Virus Doctor

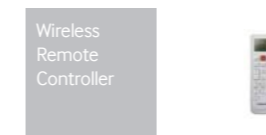
Maldives			AJ007JBRDCH/AZ	AJ009JBRDCH/AZ	AJ012JBRDCH/AZ	AJ018JBRDCH/AZ	AJ024JBRDCH/AZ
Power Supply	Φ, #, V, Hz		1,2,220-240,60	1,2,220-240,60	1,2,220-240,60	1,2,220-240,60	1,2,220-240,60
Mode			HP	HP	HP	HP	HP
Performance	Capacity (Nominal)	Cooling	2	2.5	3.5	5	6.8
		Heating	6,800	8,500	11,900	17,100	23,200
		Cooling	2.2	3.2	4	6	7.8
		Heating	7,500	10,900	13,600	20,500	26,600
Power	Power Input (Nominal)	Cooling	30	30	50	50	60
		Heating	30	30	50	50	60
	Current Input (Nominal)	Cooling	0.18	0.3	0.4	0.4	0.45
		Heating	0.18	0.3	0.4	0.4	0.45
Fan	Motor	Type	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output x n	23 x 1	23 x 1	23 x 1	27 x 1	27 x 1
	Air Flow Rate	H/M/L (UL)	7.90/7.00/6.10	9.40/8.70/7.90	10.10/9.00/7.90	14.20/12.30/11.20	17.80/14.30/10.60
			131.67/116.67/101.67	156.67/145.00/131.67	168.33/150.00/131.67	236.67/205.00/186.67	296.67/238.33/176.67
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	6.35
		Φ, inch	1/4"	1/4"	1/4"	1/4"	1/4"
	Gas Pipe	Φ, mm	9.52	9.52	9.52	12.7	15.88
		Φ, inch	3/8"	3/8"	3/8"	1/2"	5/8"
Field Wiring	Drain Pipe	Φ, mm	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)	VP18 (OD 19, ID 16)
		Power Source Wire	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
		Type	R410A	R410A	R410A	R410A	R410A
Sound	Control Method		EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
		Sound Pressure	High / Mid / Low	31.0/28.0/27.0	36.0/34.0/30.0	37.0/34.0/30.0	40.0/37.0/34.0
	Sound Power	Cooling	53	56	58	57	62
		Net Weight	8	8	8	11.5	11.5
Dimensions	Shipping Weight	kg	9.4	9.4	9.4	13.5	13.5
		Net Dimensions (W×H×D)	mm	820 x 285 x 215	820 x 285 x 215	820 x 285 x 215	1065 x 298 x 230
	Shipping Dimensions (W×H×D)	mm	880 x 360 x 260	880 x 360 x 260	880 x 360 x 260	1125 x 290 x 375	1125 x 290 x 375
		Panel model	-	-	-	-	-
Panel Size	Panel Net Weight	kg	-	-	-	-	-
		Shipping Weight	kg	-	-	-	-
	Net Dimensions (W×H×D)	mm	-	-	-	-	-
		Shipping Dimensions (W×H×D)	mm	-	-	-	-
Additional Accessories	Drain pump	Drain pump - / Model name	-	-	-	-	-
	Air Filter	Max. lifting Height / Displacement	mm / liter/h	-	-	-	-

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Optional Accessories



Standard Accessories





Neo Forte

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

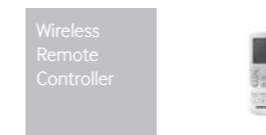
Neo Forte				MH020FNBA	MH026FNBA	MH035FNBA	MH052FNBA
Power Supply	Φ, #, V, Hz		1,2,220,60	1,2,220,60	1,2,220,60	1,2,220,60	
Mode			HP/HR	HP/HR	HP/HR	HP/HR	
Performance	Capacity (Nominal)	Cooling	kW	2.00	2.60	3.50	5.20
		Btu/h	6,800	8,900	11,900	17,700	
	Heating	kW	2.20	2.90	3.80	5.60	
		Btu/h	7,500	9,900	13,000	19,100	
Power	Power Input (Nominal)	Cooling	W	30.00	30.00	35.00	50.00
		Heating	30.00	30.00	35.00	50.00	
	Current Input (Nominal)	Cooling	A	0.18	0.18	0.19	0.30
		Heating	0.18	0.18	0.19	0.30	
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
		Output x n	W	23 x 1	23 x 1	23 x 1	40 x 1
	Air Flow Rate	H/M/L (UL)	CMM	7.70/6.70/5.70	8.30/7.30/6.30	9.50/8.50/7.50	13.20/11.60/9.90
		l/s	128.33/111.67/95.00	138.33/121.67/105.00	158.33/141.67/125.00	220.00/193.33/165.00	
External Pressure	Min / Std / Max	mmAq	-	-	-	-	
		Pa	-	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	6.35	
		Φ, inch	1/4"	1/4"	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	9.52	12.70	
		Φ, inch	3/8"	3/8"	3/8"	1/2"	
Drain Pipe	Φ, mm	VP18 (OD 19.1D 16)	VP18 (OD 19.1D 16)	VP18 (OD 19.1D 16)	VP18 (OD 19.1D 16)		
Field Wiring	Power Source Wire	mm ²	1.0 ~ 1.0	1.0 ~ 1.0	1.0 ~ 1.0	1.0 ~ 1.0	
		Transmission Cable	mm ²	0.75 ~ 1.00	0.75 ~ 1.00	0.75 ~ 1.00	0.75 ~ 1.00
Refrigerant	Type		R410A	R410A	R410A	R410A	
		Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED
Sound	Sound Pressure	High / Mid / Low	dB(A)	32.0/28.0/23.0	32.0/28.0/23.0	36.0/30.0/23.0	40.0/35.0/30.0
		Cooling	dB(A)	-	-	-	-
Dimensions	Net Weight		kg	7.80	7.80	7.80	13.00
		Shipping Weight	kg	9.40	9.40	9.40	16.00
	Net Dimensions (W×H×D)	mm	825 x 285 x 189	825 x 285 x 189	825 x 285 x 189	1099 x 315 x 217	
		Shipping Dimensions (W×H×D)	mm	900 x 349 x 252	900 x 349 x 252	900 x 349 x 252	1137 x 377 x 299
	Panel Size	Panel model		-	-	-	-
			Panel Net Weight	kg	-	-	-
Shipping Weight		kg	-	-	-	-	
		Net Dimensions (W×H×D)	mm	-	-	-	-
Shipping Dimensions (W×H×D)	mm	-	-	-	-		
	mm	-	-	-	-		
Additional Accessories	Drain pump	Drain pump	- / Model name	-	-	-	-
		Max. lifting Height / Displacement	mm / liter/h	-	-	-	-
Air Filter			-	-	-	-	

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Optional Accessories



Standard Accessories



4Way Cassette (600x600)

- Compact and Light Unit
- Virus Doctor (Optional)
- Motion Detect Sensor (Optional)
- No Overflowing Drain Water

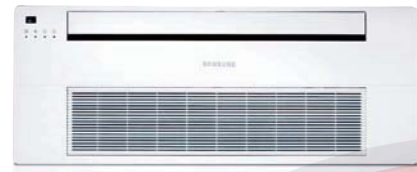


4Way Cassette (600x600)				AJ009JBNDCH/AZ	AJ012JBNDCH/AZ	AJ018JBNDCH/AZ
Model Code						
Power Supply	Φ, #, V, Hz		1,2,220-240,60	1,2,220-240,60	1,2,220-240,60	
Mode			HP	HP	HP	
Performance	Capacity (Nominal)	Cooling	kW Btu/h	2.6 8,900	3.5 11,900	5.2 17,700
		Heating	kW Btu/h	2.9 9,900	3.8 13,000	5.6 19,100
	Power Input (Nominal)	Cooling	W	19	22	28
		Heating	W	19	22	28
Current Input (Nominal)	Cooling	A	0.51	0.52	0.53	
	Heating	A	0.51	0.52	0.53	
Motor	Type		Turbo Fan	Turbo Fan	Turbo Fan	
	Output x n	W	65 x 1	65 x 1	65 x 1	
Air Flow Rate	H/M/L (UL)	CMM	9.90/8.20/6.90	10.70/9.00/7.40	12.40/10.70/9.00	
		l/s	165.00/136.67/115.00	178.33/150.00/123.33	206.67/178.33/150.00	
External Pressure	Min / Std / Max	mmAq	-	-	-	
		Pa	-	-	-	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	6.35	
		Φ, inch	1/4"	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	12.7	
		Φ, inch	3/8"	3/8"	1/2"	
Drain Pipe	Φ, mm	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)	VP25 (OD 32, ID 25)		
Field Wiring	Power Source Wire	mm ²	1	1	1	
	Transmission Cable	mm ²	0.75~1	0.75~1	0.75~1	
Refrigerant	Type		R410A	R410A	R410A	
	Control Method		EEV NOT INCLUDED	EEV NOT INCLUDED	EEV NOT INCLUDED	
Sound	Sound Pressure	High / Mid / Low	dB(A)	33.0/29.0/27.0	35.0/31.0/27.0	39.0/36.0/32.0
	Sound Power	Cooling	dB(A)	47	49	55
Dimensions	Net Weight		kg	11.4	11.4	11.7
	Shipping Weight		kg	13.4	13.4	13.7
	Net Dimensions (W×H×D)		mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Shipping Dimensions (W×H×D)		mm	623 x 298 x 653	623 x 298 x 653	623 x 298 x 653
Panel Size	Panel model		PC4SUSMA	PC4SUSMA	PC4SUSMA	
	Panel Net Weight		kg	2.7	2.7	2.7
	Shipping Weight		kg	4.2	4.2	4.2
	Net Dimensions (W×H×D)		mm	670 x 47 x 670	670 x 47 x 670	670 x 47 x 670
Shipping Dimensions (W×H×D)		mm	714 x 106 x 724	714 x 106 x 724	714 x 106 x 724	
	Drain pump	Drain pump	- / Model name	-	-	-
Additional Accessories	Max. lifting Height / Displacement	mm / liter/h	-	-	-	
	Air Filter		-	-	-	

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Optional Accessories





1Way Cassette

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



LSP Duct

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

1Way Cassette				MH026FSBA	MH035FSBA
Model Code				1.2.220.60	1.2.220.60
Power Supply		Φ, #, V, Hz			
Mode		-	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	2.60	3.50
		Btu/h	8,900	11,900	
	Heating	kW	2.90	3.80	
		Btu/h	9,900	13,000	
Power	Power Input (Nominal)	Cooling	W	45.00	50.00
		Heating	45.00	50.00	
	Current Input (Nominal)	Cooling	A	0.23	0.25
		Heating	0.23	0.25	
Fan	Motor	Type	-	Crossflow Fan	Crossflow Fan
	Air Flow Rate	Output x n	W	-	-
		CMM	6.20/5.20/4.20	7.60/6.60/5.60	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	
		Φ, inch	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	
Φ, inch		3/8"	3/8"		
Field Wiring	Drain Pipe	Φ, mm	VP20 (OD 26.1D 20)	VP20 (OD 26.1D 20)	
	Power Source Wire	mm ²	1.0 ~ 1.0	1.0 ~ 1.0	
Refrigerant	Transmission Cable	mm ²	0.75 ~ 1.0	0.75 ~ 1.0	
	Type	-	R410A	R410A	
Sound	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	
	Sound Pressure	High / Mid / Low	dB(A)	31.0/28.0/27.0	36.0/33.0/30.0
	Sound Power	Cooling	dB(A)	-	-
Dimensions	Net Weight	kg	10.5	10.5	
	Shipping Weight	kg	13.5	13.5	
	Net Dimensions (W×H×D)	mm	970 x 135 x 410	970 x 135 x 410	
	Shipping Dimensions (W×H×D)	mm	1164 x 212 x 478	1164 x 212 x 478	
	Panel model	-	PSSMA	PSSMA	
Panel Size	Panel Net Weight	kg	3	3	
	Shipping Weight	kg	5	5	
	Net Dimensions (W×H×D)	mm	1180 x 25 x 460	1180 x 25 x 460	
	Shipping Dimensions (W×H×D)	mm	1259 x 144 x 539	1259 x 144 x 539	
Additional Accessories	Drain pump	Drain pump - / Model name	-	-	
	Air Filter	Max. lifting Height / Displacement mm / liter/h	-	-	

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LSP Duct				MH026FEBA	MH035FEBA
Model Code				1.2.220.60	1.2.220.60
Power Supply		Φ, #, V, Hz			
Mode		-	HP/HR	HP/HR	HP/HR
Performance	Capacity (Nominal)	Cooling	kW	2.60	3.50
		Btu/h	8,900	11,900	
	Heating	kW	2.90	3.80	
		Btu/h	9,900	13,000	
Power	Power Input (Nominal)	Cooling	W	76	76
		Heating	76	76	
	Current Input (Nominal)	Cooling	A	0.35	0.35
		Heating	0.35	0.35	
Fan	Motor	Type	-	Sirocco Fan	Sirocco Fan
	Air Flow Rate	Output x n	W	29 x 1	29 x 1
		CMM	8.60/7.60/6.60	9.80/8.80/7.80	
Piping Connections	Liquid Pipe	Φ, mm	6.35	6.35	
		Φ, inch	1/4"	1/4"	
	Gas Pipe	Φ, mm	9.52	9.52	
Φ, inch		3/8"	3/8"		
Field Wiring	Drain Pipe	Φ, mm	VP25 (OD 32.1D 25)	VP25 (OD 32.1D 25)	
	Power Source Wire	mm ²	1.0 ~ 1.0	1.0 ~ 1.0	
Refrigerant	Transmission Cable	mm ²	0.75 ~ 1.0	0.75 ~ 1.0	
	Type	-	R410A	R410A	
Sound	Control Method	-	EEV NOT INCLUDED	EEV NOT INCLUDED	
	Sound Pressure	High / Mid / Low	dB(A)	30.0/28.0/25.0	32.0/30.0/27.0
	Sound Power	Cooling	dB(A)	-	-
Dimensions	Net Weight	kg	26.00	26.00	
	Shipping Weight	kg	31.00	31.00	
	Net Dimensions (W×H×D)	mm	900 x 199 x 600	900 x 199 x 600	
	Shipping Dimensions (W×H×D)	mm	1133 x 333 x 722	1133 x 330 x 730	
	Panel model	-	-	-	
Panel Size	Panel Net Weight	kg	-	-	
	Shipping Weight	kg	-	-	
	Net Dimensions (W×H×D)	mm	-	-	
	Shipping Dimensions (W×H×D)	mm	-	-	
Additional Accessories	Drain pump	Drain pump - / Model name	MDP-M075SGU3	MDP-M075SGU3	
	Air Filter	Max. lifting Height / Displacement mm / liter/h	-	-	

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Optional Accessories



Optional Accessories



Standard Accessories

Vertical AHU

Vertical AHU			AC036KNZDCH/AA	AC048KNZDCH/AA	AC054KNZDCH/AA
Model Code	Indoor Unit	Outdoor Unit	AC036JXADCH/AA	AC048JXADCH/AA	AC054KXADCH/AA
Mode	-	-	HEAT PUMP	HEAT PUMP	HEAT PUMP
Capacity	Cooling (Min / Std / Max)	kW	4.10/10.55/11.43	5.57/14.07/14.65	6.15/15.83/16.12
		Btu/h	14,000/36,000/39,000	19,000/48,000/50,000	21,000/54,000/55,000
Heating (Min / Std / Max)		kW	3.52/11.72/12.60	4.69/15.53/16.12	6.15/17.58/18.17
		Btu/h	12,000/40,000/43,000	16,000/53,000/55,000	21,000/60,000/62,000
Power	Power Input (Nominal)	Cooling (Min / Std / Max)	0.98/3.16/3.45	1.42/5.00/5.40	1.92/6.72/7.30
		Heating (Min / Std / Max)	0.81/3.62/4.70	1.28/4.95/5.60	1.95/5.80/7.80
	Current Input (Nominal)	Cooling (Min / Std / Max)	5.10/14.10/18.20	7.90/21.30/23.00	10.10/28.70/35.80
		Heating (Min / Std / Max)	4.50/15.80/23.00	7.50/21.60/23.50	10.20/24.70/38.50
System	MCA	A	26.36 (MCA)	26.36 (MCA)	41.64 (MCA)
	MFA	A	40.00	40.00	70.00
	EER (Nominal Cooling)	-	3.34	2.81	2.36
	COP (Nominal Heating)	-	3.24	3.14	3.03
Energy Efficiency	Energy Grade	Energy Grade (C)	SEER 19	SEER 18	SEER 17.1
		Energy Grade (H)	HSPF 10.2	HSPF 9.7	HSPF 9
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	9.52
		Φ, inch	3/8"	3/8"	3/8"
Gas Pipe		Φ, mm	15.88	15.88	19.05
		Φ, inch	5/8"	5/8"	3/4"
Installation Limitation	Max Length (Outdoor to indoor)	m	75	75	75
	Max Height (Between ID/OD)	m	30.0	30.0	30.0
Field Wiring	Power Source Wire	-	-	-	-
	Transmission Cable	-	-	-	-
Refrigerant	Type	-	R410A	R410A	R410A
	Control Method	-	-	-	-
Power Supply	Factory Charging	kg	2.80	2.80	3.50
	Φ, #, V, Hz	-	1.2,208-230.60	1.2,208-230.60	1.2,208-230.60
Fan	Type	-	Sirocco (ECM)	Sirocco (ECM)	Sirocco (ECM)
	Motor Output	W	410.00	590.00	590.00
	Number of Unit	EA	1.00	1.00	1.00
Air Flow Rate	High / Mid / Low	CMM	33.00/29.50/25.00	40.00/36.00/32.00	53.50/42.50/38.00
		l/s	550.00/491.67/416.67	666.67/600.00/533.33	891.67/708.33/633.33
External Static Pressure	Min / Std / Max	mmAq	0.00/6.10/25.40	2.54/7.11/25.40	2.54/7.11/25.40
		Pa	0.00/59.82/249.09	24.91/69.72/249.09	24.91/69.72/249.09
Drain	Drain Pipe	Φ,mm	-	-	-
	Sound Pressure	High / Mid / Low	42.0 / 39.0 / 36.0	43.0 / 41.0 / 38.0	45.0 / 42.0 / 39.0
Sound Power	Cooling	dB(A)	-	-	-
		kg	56.00	74.00	74.00
External Dimension	Shipping Weight	kg	62.00	80.00	80.00
	Net Dimensions (WxHxD)	mm	533 x 1219 x 533	622 x 1492 x 552	622 x 1492 x 552
Panel Size	Shipping Dimensions (WxHxD)	mm	591 x 1308 x 667	673 x 1588 x 692	673 x 1588 x 692
	Panel model	-	-	-	-
Additional Accessories	Panel Net Weight	kg	-	-	-
	Shipping Weight	kg	-	-	-
Drain pump	Net Dimensions (WxHxD)	mm	-	-	-
	Shipping Dimensions (WxHxD)	mm	-	-	-
Air Filter	Drain pump	-	-	-	-
	Max Lifting Height / Displacement	mm/liter/h	-	-	-
Compressor	Power Supply	Φ, #, V, Hz	1.2,208-230.60	1.2,208-230.60	1.2,208-230.60
	Type	-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Oil	Model	-	UGST450FUEJX	UGST450FUEJX	UGST450FAXJX
	Output	kW	4.12	4.12	4.01
Initial Charge	Oil	cc	PVE	PVE	PVE
		cc	86.08	86.08	146.11
Sound	Air Flow Rate	Cooling	1,434.67	1,434.67	2,435.17
	Sound Pressure	Cooling / Heating	49.0 / 51.0	53.0 / 55.0	56.0 / 56.0
Sound Power	Cooling	dB(A)	-	-	-
		kg	88.00	88.00	96.00
External Dimension	Shipping Weight	kg	98.00	98.00	106.00
	Net Dimensions (WxHxD)	mm	940 x 1210 x 330	940 x 1210 x 330	940 x 1420 x 330
Operating Temp. Range	Shipping Dimensions (WxHxD)	mm	995 x 1388 x 426	995 x 1388 x 426	995 x 1598 x 426
	Cooling	°C	-18~46	-18~46	-18~46
	Heating	°C	-20~24	-20~24	-20~24

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Optional Accessories

Individual Controllers

Panel

Control System



CLASSIFICATION	PRODUCT	IMAGE	MODEL		APPLICATION	
			DVM S, Single (New Communication Protocol)	Single, FJM		
Integrated Management System	Controller	DMS 2		MIM-D00AN	MIM-D00A	
		DMS 2.5		MIM-D01AN	MIM-D01AN	
		S-NET 3		MST-P3P	MST-P3P	
	Interface Module	PIM		MIM-B16N	MIM-B16	
System Controller	Centralized Control System	Touch Centralized Controller		MCM-A300N	-	DVM Chiller Included
		On/Off Controller		MCM-A202DN	MCM-A202D	
		Multi Tenant Function Controller (MTFC)		MCM-C210N	-	
		Operation Mode Selection Switch		MCM-C200	-	DVM S Series (Except HR Models)
	Interface Module	FCU Kit		MIM-F00N	-	DVM Chiller
		HUB PBA		MIM-F10N	-	DVM Chiller
		RAC Extension Board		-	MIM-A00	FJM (For connecting wired remote controller and external contact interface module)
		Centralized Control Interface Module		MIM-N10	-	ERV (New Communication Protocol)
Compatible interface Module		MIM-N01	MIM-N01	Converter between old & new protocol		

CLASSIFICATION	PRODUCT	IMAGE	MODEL		APPLICATION			
			DVM S, Single (New Communication Protocol)	Single, FJM				
System Controller	Individual Control System	Controller	Zone Control Package (Zone Controller & Relay)		MWR-ZS00N	MWR-ZS00		
			Zone Controller		MWR-ZS10N	MWR-ZS10		
			Wired Remote Controller		MWR-WE10N	MWR-WE10		
					MWR-W00N	-	DVM S Hydro Unit	
			Wired Remote Controller		-	MWR-WH00 MWR-WH02	Connect wire: 10m Connect wire: 3m	
			Simplified wired Remote Controller		-	-		
			Simplified wired Remote Controller		MWR-SH00N	MWR-SH00		
			Simplified wired Remote Controller		MWR-VH12N	MWR-VH02	ERV	
			Wireless Remote Controller (H/P)		MR-EH00	MR-EH00		
			Wireless Remote Controller (Nordic)		-	MR-EH01	CAC Nordic Only	
			Wireless Remote Controller		AR-KE00E	AR-KE00E	For 360 Cassette	
			Wireless Signal Receiver package (With Receiver wire)		MRK-A10N	MRK-A10N	DVM S Series (for Ducted indoor unit) Single Duct S	
			Wireless Signal Receiver		-	MRK-A00		
			Wireless Signal Receiver Wire		-	MRW-10A		
			External Room Sensor		MRW-TA	MRW-TA		
			External Room Sensor		MRW-TS	MRW-TS	Global Duct (For Zone Controller)	
			Single Wi-Fi Kit		-	MIM-H02	Single Inverter Cassette & Duct	
Multi Wi-Fi Kit		MIM-H03N	MIM-H03	Max. 16 unit				
Building Management System		Building Management Module	ZenManager		MST-R5D	MST-R5D		
			LonWorks Gateway		MIM-B18N	MIM-B18		
			LonWorks Gateway (New)		MIM-B18BN	MIM-B18BN	DVM Chiller Included	
			BACnet Gateway		MIM-B17N	MIM-B17		
			BACnet Gateway (New)		MIM-B17BN	MIM-B17BN	DVM Chiller Included	
			LonWorks Gateway Interface		-	MIM-B07		
			Guestroom Management Module	External Contact Interface Module		MIM-B14	MIM-B14	
				Key-Tag Interface Module		-	MIM-B02	
				Converter Motion Detect Sensor				
			Converter Motion Detect Sensor	Converter Unit (S-Net Pro)		MIM-C02N	MIM-C02N	
S-Checker		MIM-C10N		-				

Accessories

CLASSIFICATION	IMAGE	MODEL		APPLICATION
		DVM S, Single (New Communication Protocol)	Single, FJM	
Drain Pump		MDP-E075SEE3D	MDP-E075SEE3	Slim Duct(2.0~14.0 kW)
		MDP-M075SGU1D	MDP-M075SGU1	M.S.P Duct(9.0/11.2 kW)
	MDP-M075SGU2D	MDP-M075SGU2	M.S.P Duct(12.8/14.0 kW)	
	MDP-M075SGU3D	MDP-M075SGU3	H.S.P Duct(11.2/12.8/14.0 kW)	
	MDP-M075SGU3D	MDP-M075SGU3	M.S.P Duct(5.6/7.1 kW)	
	MDP-N047SNC0D	-	O.A.P Duct (14.0 kW)	
	MDP-N047SNC1D	MDP-N047SNC1	H.S.P Duct(22.4/28.0 kW) Fresh Air Intake Duct (22.4/28.0 kW)	
PDM Kits (High Elevation Kits)		MDP-G075SP	MDP-G075SP	Duct S (External Type)
		MDP-G075SQ	-	Duct S (Internal Type)
AHU Kits		MXD-A38K2A	-	8~12 HP
		MXD-A12K2A	-	14~16 HP
		MXD-A58K2A	-	18~22 HP
		MXD-K025AN	-	7.0~8.75 kW AHU
4 Way Cassette Front Panel		MXD-K050AN	-	14.0~17.5 kW AHU
		MXD-K075AN	-	21.0~26.25 kW AHU
		MXD-K100AN	-	28.0~35.0 kW AHU
		MXD-A64K100E	-	AHU EEV Kit (10HP)
4 Way Cassette Front Panel		MCM-D201N	-	Control Kit (PBA, 10HP~40HP)
		PC4NUDMAN	PC4NUDMAN	NASA, Square
		PC4NBDMAN	PC4NBDMAN	NASA, Square - Black
		PC4NUNMAN	PC4NUNMAN	NASA, Circle (Exposed installation)
4 Way Cassette (600x600) Front Panel		PC4NBNMAN	PC4NBNMAN	NASA, Circle (Exposed installation) - Black
		PC4NUSKAN	PC4NUSKA (Korea) PC4NUSMA (China)	4Way Cassette S - Waffle
		PC4NUSKEN	PC4NUSKE (Korea) PC4NUSME (China)	4Way Cassette S - Classic
		PC4NBSKAN	PC4NBSKA	4Way Cassette S - Black
1 Way Cassette Front Panel		PC4SUSMAN	PC4SUSMB	4Way Cassette S (600x600) -Waffle
		PC4SUSMEN	PC4SUSMF	4Way Cassette S (600x600) -Classic
Virus Doctor		PC1MWSKAN	-	1Way Cassette (New Air Fluid Design) (1.7~2.2kW)
		PC1NWSMAN	-	1Way Cassette (New Air Fluid Design) (2.2~3.6kW)
		PC1BWSMAN	-	1Way Cassette (New Air Fluid Design) (5.6~7.1kW)
		PC1NUSMAN	PSSMA	"Slim 1Way Cassette (2.2~3.6kW)"
		PC1BWSEAN	-	"Slim 1Way Cassette (5.6~7.1kW)"
		PC1NUPMAN	PC1NUPMA	"Slim 1Way Cassette Z-Sliding (2.2~3.6kW)"
		PC1BWPEAN	-	"Slim 1Way Cassette Z-Sliding (5.6~7.1kW)"
2 Way Cassette Front Panel		PC2NUSMEN	-	2Way Cassette
Motion Detect.Sensor		MSD-CAN1	MSD-CAN1	"4Way Cassette S 4Way Cassette S (600x600)"
		MSD-EAN1	MSD-EAN1	ERV, Global Duct
		MCR-SMA	MCR-SMA	4Way Cassette S (600x600)

Classification	Image	Model	Description	APPLICATION
Y-joint		MXJ-YA1509M	15.0kW and below	DVM S
		MXJ-YA2512M	Over 15.0~40.6kW and below	
		MXJ-YA2812M	Over 40.6~46.4 kW and below	
		MXJ-YA2815M	Over 46.4~69.6 kW and below	
		MXJ-YA3419M	Over 69.6~98.6 kW and below	
		MXJ-YA4119M	Over 98.6~139.2 kW and below	
		MXJ-YA4422M	Over 139.2 kW	
Y-joint (High Pressure Gas) for HR module		MXJ-YA1500M	23.2 kW and below	DVM SHR
		MXJ-YA2500M	Over 23.2~69.6 kW and below	
		MXJ-YA3100M	Over 69.6~139.2 kW and below	
Outdoor Joint (Outdoor Connection)		MXJ-YA3800M	Over 139.2 kW	DVM S
		MXJ-TA3819M MXJ-TA3419M	Below 48 HP	
Outdoor Joint (High Pressure Gas) for HR Module		MXJ-TA3100M	Below 48 HP	DVM SHR
		MXJ-TA3800M	Over 48 HP	
DPM Y-joint		MXJ-2D2509K	2-indoor unit connection	CAC Inverter(4way, 4way 600x600)
		MXJ-3D2509K	3-indoor unit connection	
		MXJ-4D2509K	4-indoor unit connection	
Header Joint		MXJ-HA3819M	Over 69.7 kW	DVM S
		MXJ-HA3115M	Below 69.6 kW	
MCU Kits		MXJ-HA2512M	Below 46.4 kW	DVM SHR
		MCU-S2NEK1N	Below 2 indoor units	
		MCU-S4NEE1N	Below 4 indoor units	
		MCU-S4NEE2N	Below 4 indoor units For including the indoor unit of capacity range 11.2~28.0kW	
EEV Kits		MCU-S6NEE1N	Below 6 indoor units	DVM S
		MXD-E24K132A	Below 3.6 kW (1 Room) + 5.6 kW~9.0 kW (1Room)	
		MXD-E24K200A	Below 3.6 kW (2 Rooms)	
		MXD-E32K200A	5.6 kW~9.0 kW (2Rooms)	
		MXD-E24K232A	Below 3.6 kW (2 Rooms) + 5.6 kW~9.0 kW (1Room)	
		MXD-E24K300A	Below 3.6 kW (3 Rooms)	
		MXD-E32K224A	Below 3.6 kW (1 Room) + 5.6 kW~9.0 kW (2Rooms)	
Anti-Corrosion Spray		MEV-E24SA	Below 3.6 kW (1 Room)	DVM S
		MEV-E32SA	5.6 kW~9.0 kW (1Room)	
		MOK-220SA	R-Pro	