

2. Specification

Type			DVM S Eco	DVM S Eco	DVM S Eco	DVM S Eco	
Model Name			AM060FXMDEH/TK	AM060FXMDGH/TK	AM080FXMDGH/TK	AM080MXMDGH/TK	
Piping Connections	Liquid Pipe	Type	Braze connection	Braze connection	Braze connection	Braze connection	
		Φ, mm	9.52	9.52	9.52	9.52	
		Φ, inch	3/8"	3/8"	3/8"	3/8"	
	Gas Pipe	Type	Braze connection	Braze connection	Braze connection	Braze connection	
		Φ, mm	19.05	19.05	19.05	19.05	
		Φ, inch	3/4"	3/4"	3/4"	3/4"	
	Discharge Gas Pipe	Φ, mm	-	-	-	-	
		Φ, inch	-	-	-	-	
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	150 (175)	150 (175)	100 (130)	100 (130)
	Piping length (1st Branch-IDU)	Max.	m	40	40	40	40
	Total piping length (System)	Max.	m	300	300	300	300
	Level difference (ODU in highest position)	Max.	m	50	50	30	30
Level difference (IDU in highest position)	Max.	m	40	40	30	30	
Level difference (IDU-IDU)	Max.	m	15	15	30	30	
Wiring connections ³⁾	Communication	Minimum	mm ²	0.75	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2	F1,F2
Refrigerant	Type			R410A	R410A	R410A	R410A
	Factory Charging		kg	3.3	3.3	3.7	3.7
Sound ⁴⁾	Sound Pressure	Cooling	dB(A)	53	53	56	59
		Heating		55	55	58	59
	Sound Power			69	69	74	77
External Dimension	Net Weight		kg	103	103	135	115
	Shipping Weight		kg	108	108	145	125
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,420 x 330	940 x 1,420 x 330
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,578 x 426	995 x 1,578 x 426
Operating Temp. Range	Cooling		°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		°C	-20.0 ~ 26.0	-20.0 ~ 26.0	-20.0 ~ 24.0	-20.0 ~ 24.0

NOTE

- Specifications may be subject to change without prior notice.
 - 1) Cooling capacities are based on;
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
 - 2) 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) Select wire size based on the value of MCA
 - 4) Sound power level is an absolute value that a sound source generates.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound values are obtained in an anechoic room.
 Sound values of multi combination are theoretical values based on sound results of individual installed units.
 - 5) These products contain R410A which is fluorinated greenhouse gas.

2. Specification

Type				DVM S Eco	DVM S Eco	DVM S Eco	
Model Name				AM100KXMDGH/TK	AM120KXMDGH/TK	AM140KXMDGH/TK	
Power Supply			Φ, #, V, Hz	3,4,380-415,50	3,4,380-415,50	3,4,380-415,50	
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP		10	12	14	
		Capacity	Cooling	kW	28.0	33.5	40.0
	Btu/h			95,500	114,300	136,500	
	Heating		kW	31.5	37.5	45.0	
		Btu/h	107,500	128,000	153,500		
Maximum number of connectable indoor units			ea	18	21	26	
	Total capacity of the connected Indoor Units	Min.	kW	14.0	16.8	20.0	
		Max.	kW	36.4	43.6	52.0	
Power	Power Input	Cooling ¹⁾	kW	7.29	8.77	10.59	
		Heating ²⁾		6.74	7.81	9.88	
	Current Input	Cooling ¹⁾	A	11.51	13.74	16.48	
		Heating ²⁾		10.58	12.23	15.55	
	Current	Minimum Ssc value		MVA	4.6	5.1	5.9
		MCA		A	21.5	23.5	32.0
MFA		A	30.0	30.0	40.0		
COP	Cooling ¹⁾		W/W	3.84	3.82	3.78	
	Heating ²⁾		W/W	4.67	4.79	4.55	
	ESEER		W/W	7.09	6.94	6.83	
Casing	Material	Cabinet	-	EGI steel plate	EGI steel plate	EGI steel plate	
		Base	-	GI steel plate	GI steel plate	GI steel plate	
Heat exchanger	Type		-	Fin & Tube	Fin & Tube	Fin & Tube	
	Material	Fin	-	Al	Al	Al	
		Tube	-	Cu	Cu	Cu	
	Fin Treatment		-	Anti-corrosion	Anti-corrosion	Anti-corrosion	
Compressor	Type		-	Inverter Scroll	Inverter Scroll	Inverter Scroll	
	Output		kW × n	(5.18) x 1	(6.39) x 1	(6.76) x 1	
	Model Name			-	DS-GB052FAVB x 1	DS-GB066FAVB x 1	DS-GB070FAVA x 1
	Oil	Type		-	PVE	PVE	PVE
		Initial Charge		cc	2300	2300	2300
Fan	Type		-	Propeller	Propeller	Propeller	
	Discharge direction		-	Horizontal	Horizontal	Horizontal	
	Quantity		ea	2	2	2	
	Air Flow Rate		m ³ /min	165	166	180	
			l/s	2750.00	2,766.67	3,000.00	
	External Static Pressure	Max.	mmAq	3	3	3	
Pa			29.4	29.4	29.4		
Fan Motor	Model		-	BLDC Motor	BLDC Motor	BLDC Motor	
	Output x n		W	244 x 2	244 x 2	244 x 2	

2. Specification

Type				DVM S Eco	DVM S Eco	DVM S Eco	
Model Name				AM100KXMDGH/TK	AM120KXMDGH/TK	AM140KXMDGH/TK	
Piping Connections	Liquid Pipe	Type		Braze connection	Braze connection	Braze connection	
		Φ, mm		9.52	12.70	12.70	
		Φ, inch		3/8"	1/2"	1/2"	
	Gas Pipe	Type		Braze connection	Braze connection	Braze connection	
		Φ, mm		22.22	28.58	28.58	
		Φ, inch		7/8"	1 1/8"	1 1/8"	
	Discharge Gas Pipe	Φ, mm		-	-	-	
		Φ, inch		-	-	-	
	Heat insulation			-	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	160 (185)	160 (185)	160 (185)	
	Piping length (1st Branch-IDU)	Max.	m	40	40	40	
	Total piping length (System)	Max.	m	300	300	300	
	Level difference (ODU in highest position)	Max.	m	50	50	50	
Level difference (IDU in highest position)	Max.	m	40	40	40		
Level difference (IDU-IDU)	Max.	m	50	50	50		
Wiring connections ³⁾	Communication	Minimum	mm ²	0.75	0.75	0.75	
		Remark		-	F1,F2	F1,F2	F1,F2
Refrigerant	Type			R410A	R410A	R410A	
	Factory Charging		kg	3.7	4.3	4.8	
Sound ⁴⁾	Sound Pressure	Cooling	dB(A)	58	59	62	
		Heating		60	61	64	
	Sound Power				74	76	79
External Dimension	Net Weight		kg	145	155	162	
	Shipping Weight		kg	158	168	175	
	Net Dimensions (WxHxD)		mm	940 x 1,630 x 460	940 x 1,630 x 460	940 x 1,630 x 460	
	Shipping Dimensions (WxHxD)		mm	1,020 x 1,820 x 575	1,020 x 1,820 x 575	1,020 x 1,820 x 575	
Operating Temp. Range	Cooling		°C	-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	

NOTE

- Specifications may be subject to change without prior notice.
 - 1) Cooling capacities are based on;
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB, 24°C WB, Equivalent refrigerant piping : 7.5m, Level differences : 0m
 - 2) 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) Select wire size based on the value of MCA
 - 4) Sound power level is an absolute value that a sound source generates.
 Sound pressure level is a relative value, depending on the distance and acoustic environment.
 Sound values are obtained in an anechoic room.
 Sound values of multi combination are theoretical values based on sound results of individual installed units.
 - 5) These products contain R410A which is fluorinated greenhouse gas.