2. Specification

Outdoor unit

Type				DVM S Eco	DVM S Eco
Model Name				AM040KXMDEH/EU	AM050KXMDEH/EU
Power Supply			Φ, #, V, Hz	1, 2, 220-240, 50	1, 2, 220-240, 50
Mode			-	HEAT PUMP	HEAT PUMP
Performance	HP		HP	4	5
	Capacity	Cooling	kW	12.1	14.0
			Btu/h	41,200	48,000
		Heating	kW	12.1	14.0
			Btu/h	41,200	48,000
Maximum number of connectable indoor units			ea	6	8
	Total capacity of the connected Indoor Units	Min.	kW	5.6	7.0
		Max.	kW	15.7	18.2
Power	Power Input	Cooling [1]	kW	3.6	4.0
		Heating [2]		2.9	3.4
	Current Input	Cooling [1]	A	17.5	19.5
		Heating [2]		14.0	16.5
	Current	Minimum Ssc value	MVA	-	-
		MCA	A	24	27
		MFA	A	32	40
COP	Cooling [1]		W/W	3.36	3.50
	Heating [2]		W/W	4.17	4.12
	ESEER		W/W	7.25	6.71
Casing	Material	Cabinet	-	EGI steel plate	EGI steel plate
		Base	-	GI steel plate	GI steel plate
Heat exchanger	Type		-	Fin & Tube	Fin & Tube
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-corrosion	Anti-corrosion
Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW × n	4.12	4.12
	Model Name		-	UG5T450FUEJX	UG5T450FUEJX
	Oil	Type	-	PVE	PVE
		Initial Charge	cc	1,700	1,700
Fan	Type		-	Propeller	Propeller
	Discharge direction		-	Horizontal	Horizontal
	Quantity		ea	1	1
	Air Flow Rate		m^3/min	64	70
			l/s	1,067	1,167
	External Static Pressure	Max.	mmAq	3	3
			Pa	29.4	29.4
Fan Motor	Model		-	BLDC Motor	BLDC Motor
	Output x n		W	125 x 1	139 x 1

2. Specification

Type				DVM S Eco	DVM S Eco
Model Name				AM040KXMDEH/EU	AM050KXMDEH/EU
Piping Connections	Liquid Pipe		Type	Braze connection	Braze connection
			Φ, mm	9.52	9.52
			Φ, inch	3/8"	3/8"
	Gas Pipe		Type	Braze connection	Braze connection
			Φ, mm	15.88	15.88
			Φ, inch	5/8"	5/8"
	Discharge Gas Pipe		Φ, mm	-	-
			Φ, inch	-	-
	Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Piping length (ODU-IDU)	Max. [Equiv.]	m	50 (65)	50 (65)
	Piping length (1st Branch-IDU)	Max.	m	40	40
	Total piping length (System)	Max.	m	150	150
	Level difference (ODU in highest position)	Max.	m	30	30
	Level difference (IDU in highest position)	Max.	m	25	25
	Level difference (IDU-IDU)	Max.	m	15	15
Wiring connections [3]	Communication	Minimum	mm^2	0.75	0.75
		Remark	-	F1,F2	F1,F2
Refrigerant	Type			R410A	R410A
	Factory Charging		kg / tCO_2e	2.0 / 4.18	2.5 / 5.22
Sound [4]	Sound Pressure	Cooling	dB(A)	52	55
		Heating		54	57
	Sound Power			73	75
External Dimension	Net Weight		kg	79.0	83.5
	Shipping Weight		kg	84.5	89.0
	Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
	Shipping Dimensions (WxHxD)		mm	1009 x 1124 x 419	1009 x 1124 x 419
Operating Temp. Range	Cooling		℃	-5.0 ~ 48.0	-5.0 ~ 48.0
	Heating		℃	-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 comvination are theoretical values based on sound results of individual installed units.
  5) These products contain R410A(GWP=2,088) which is fluorinated greenhouse gas.