




1. Line up

Outdoor units

Capacity (HP)		4	5	6
Shape				
Model	1phase	AM040NXMDER/EU	AM050NXMDER/EU	AM060NXMDER/EU
	3phase	AM040NXMDGR/EU	AM050NXMDGR/EU	AM060NXMDGR/EU

2. Specification

Outdoor unit

Type				DVM S Eco HR	DVM S Eco HR	DVM S Eco HR
Model Name				AM040NXMDER/EU	AM050NXMDER/EU	AM060NXMDER/EU
Power Supply			Φ, #, V, Hz	1,2, 220-240, 50	1,2, 220-240, 50	1,2, 220-240, 50
Mode			-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP		HP	4	5	6
	Capacity	Cooling	kW	12.1	14.0	15.5
			Btu/h	41,300	47,800	52,900
			Heating	kW	12.1	14.0
		Btu/h		41,300	47,800	52,900
		Heating(Max)		kW	14.2	16.0
			Btu/h	48,500	54,600	61,400
Maximum number of connectable indoor units			EA	8	9	10
	Total capacity of the connected Indoor Units	Min.	kW	6.0	7.0	7.8
		Max.	kW	15.7	18.2	20.2
Power	Power Input	Cooling	kW	2.69	3.41	4.13
		Heating		2.52	2.98	3.48
		Heating(Max)		3.16	3.6	4.34
	Current Input	Cooling	A	12.3	15.6	18.9
		Heating		11.5	13.6	15.9
		Heating(Max)		14.5	16.5	19.9
	Current	Minimum Ssc	MVA	-	-	-
		MCA	A	22.0	24.0	30.0
		MFA	A	25.0	32.0	40.0
Efficiency	EER	Cooling	W/W	4.50	4.11	3.75
	COP	Heating	W/W	4.80	4.70	4.45
		Heating(Max)	W/W	4.49	4.44	4.15
	ESEER		W/W	10.5	10.1	9.5
Casing	Material	Body	-	EGL steel plate	EGL steel plate	EGL 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		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW × n	4.04	4.04	4.04
	Model Name		-	UG5TK5450FJX x 1	UG5TK5450FJX x 1	UG5TK5450FJX x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	1,700	1,700	1,700
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Horizontal	Horizontal	Horizontal
	Quantity		EA	2	2	2
	Air Flow Rate		m ³ /min	100	100	100
			l/s	1667	1667	1667
	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 x n	125 x 2	125 x 2	125 x 2

2. Specification

Outdoor unit

Type			DVM S Eco HR	DVM S Eco HR	DVM S Eco HR	
Model Name			AM040NXMDER/EU	AM050NXMDER/EU	AM060NXMDER/EU	
Piping Connections	Liquid Pipe	Type	Braze connection	Braze connection	Braze connection	
		Φ, mm ² (inch)	9.52(3/8")	9.52(3/8")	9.52(3/8")	
	Gas Pipe	Type	Braze connection	Braze connection	Braze connection	
		Φ, mm ² (inch)	15.88(5/8")	15.88(5/8")	19.05(3/4")	
	High pressure Gas Pipe (HR Only)	Type	Braze connection	Braze connection	Braze connection	
		Φ, mm ² (inch)	15.88(5/8")	15.88(5/8")	15.88(5/8")	
	Heat insulation	-	liquid and gas and high pressure gas pipes	liquid and gas and high pressure gas pipes	liquid and gas and high pressure gas pipes	
	Piping length (ODU-IDU)	Max. [Equiv.]	m	150(175)	150(175)	150(175)
	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	Communication	Min.	mm ²	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2
Refrigerant	Type	-	R410A	R410A	R410A	
	Factory Charging	kg	3.2	3.2	3.3	
		tCO ₂ e	6.68	6.68	6.89	
Sound	Sound Pressure	Cooling	50	50	51	
		Heating	52	52	53	
	Sound Power		67	68	70	
External Dimension	Net Weight	kg	97	97	100	
	Shipping Weight	kg	107	107	110	
	Net Dimensions (WxHxD)	mm	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330	
	Shipping Dimensions (WxHxD)	mm	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,388 x 426	
Operating Temp. Range	Cooling	°C	-5.0 ~ 48.0	-5.0 ~ 48.0	-5.0 ~ 48.0	
	Heating	°C	-25.0 ~ 26.0	-25.0 ~ 26.0	-25.0 ~ 26.0	

NOTE

- Specifications may be subject to change without prior notice.
 - 1) Capacities are based on (Equivalent refrigerant piping 7.5m, Level differences 0m);
 - Cooling : Indoor temperature 27°C DB, 19°C WB / Outdoor temperature 35°C DB, 24°C WB
 - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
 - 2) Select wire size based on the value of MCA
 - 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20uPa
 - 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW
 - Measured according to ISO 3741
 - 5) These products contain R410A (GWP=2,088) which is fluorinated greenhouse gas.

2. Specification

Outdoor unit

Type				DVM S Eco HR	DVM S Eco HR	DVM S Eco HR
Model Name				AM040NXMDGR/EU	AM050NXMDGR/EU	AM060NXMDGR/EU
Power Supply			Φ, #, V, Hz	3,4, 380~415, 50	3,4, 380~415, 50	3,4, 380~415, 50
Mode			-	HEAT RECOVERY	HEAT RECOVERY	HEAT RECOVERY
Performance	HP		HP	4	5	6
	Capacity	Cooling	kW	12.1	14.0	15.5
			Btu/h	41,300	47,800	52,900
			Heating	kW	12.1	14.0
		Btu/h		41,300	47,800	52,900
		Heating(Max)		kW	14.2	16.0
			Btu/h	48,500	54,600	61,400
Maximum number of connectable indoor units			EA	8	9	10
	Total capacity of the connected Indoor Units	Min.	kW	6.0	7.0	7.8
		Max.	kW	15.7	18.2	20.2
Power	Power Input	Cooling	kW	2.69	3.41	4.13
		Heating		2.52	2.98	3.48
		Heating(Max)		3.16	3.6	4.34
	Current Input	Cooling	A	4.1	5.2	6.3
		Heating		3.8	4.5	5.3
		Heating(Max)		4.8	5.5	6.6
	Current	Minimum Ssc	MVA	3.9	3.9	3.9
		MCA	A	16.1	16.1	16.1
		MFA	A	20.0	20.0	20.0
Efficiency	EER	Cooling	W/W	4.50	4.11	3.75
	COP	Heating	W/W	4.80	4.70	4.45
		Heating(Max)	W/W	4.49	4.44	4.15
	ESEER		W/W	10.5	10.1	9.5
Casing	Material	Body	-	EGL steel plate	EGL steel plate	EGL 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		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW × n	4.04	4.04	4.04
	Model Name		-	UG5TK5450FJX x 1	UG5TK5450FJX x 1	UG5TK5450FJX x 1
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	1,700	1,700	1,700
Fan	Type		-	Propeller	Propeller	Propeller
	Discharge direction		-	Horizontal	Horizontal	Horizontal
	Quantity		EA	2	2	2
	Air Flow Rate		m ³ /min	100	100	100
			l/s	1,666.70	1,666.70	1,666.70
	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 x n	125 x 2	125 x 2	125 x 2

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Outdoor unit

Type			DVM S Eco HR	DVM S Eco HR	DVM S Eco HR	
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Piping Connections	Liquid Pipe	Type	Braze connection	Braze connection	Braze connection	
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	Gas Pipe	Type	Braze connection	Braze connection	Braze connection	
		Φ, mm ² (inch)	15.88(5/8")	15.88(5/8")	19.05(3/4")	
	High pressure Gas Pipe (HR Only)	Type	Braze connection	Braze connection	Braze connection	
		Φ, mm ² (inch)	15.88(5/8")	15.88(5/8")	15.88(5/8")	
	Heat insulation	-	liquid and gas and high pressure gas pipes	liquid and gas and high pressure gas pipes	liquid and gas and high pressure gas pipes	
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	Piping length (1st Branch-IDU)	Max.	m	40	40	40
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Level difference (IDU in highest position)	Max.	m	40	40	40	
Level difference (IDU-IDU)	Max.	m	50	50	50	
Wiring connections	Communication	Min.	mm ²	0.75	0.75	0.75
		Remark	-	F1,F2	F1,F2	F1,F2
Refrigerant	Type	-	R410A	R410A	R410A	
	Factory Charging	kg	3.2	3.2	3.3	
		tCO ₂ e	6.68	6.68	6.89	
Sound	Sound Pressure	Cooling	50	50	51	
		Heating	52	52	53	
	Sound Power		67	68	70	
External Dimension	Net Weight	kg	95	95	98	
	Shipping Weight	kg	105	105	108	
	Net Dimensions (WxHxD)	mm	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330	
	Shipping Dimensions (WxHxD)	mm	995 x 1,388 x 426	995 x 1,388 x 426	995 x 1,388 x 426	
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	Heating	°C	-25.0 ~ 26.0	-25.0 ~ 26.0	-25.0 ~ 26.0	

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 - Heating : Indoor temperature 20°C DB, 15°C WB / Outdoor temperature 7°C DB, 6°C WB
 - 2) Select wire size based on the value of MCA
 - 3) Sound pressure level is obtained in an anechoic room.
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