

Specifications

DVM S Eco Heat Recovery (With Heat Recovery Changer Kit)

- Horizontal discharge and rear suction by means of two propeller BLDC Inverter fans.
- Each module houses one Twin BLDC Rotatory compressor.
- Night Silent Mode available.
- Eurovent certified and ErP (Ecodesign) compliant.
- Four-way direction piping connection.



Model				AM040NXMDER/EU	AM050NXMDER/EU	AM060NXMDER/EU
Power Supply		Φ, V, Hz		1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz	1Φ, 220~240 V, 50 Hz
Performance	hp	hp		4	5	6
	Capacity	Cooling	kW	12.1	14.0	15.5
		Heating	kW	12.1	14.0	15.5
Power	Power Input (Nominal)	Cooling	kW	2.69	3.41	4.13
		Heating	kW	2.58	3.11	3.65
	Current Input (Nominal)	Cooling	A	4.1	5.2	6.3
		Heating	A	3.8	4.5	5.3
	Current	MCA	A	22.0	24.0	30.0
		MFA	A	25	30	40
Energy Efficiency ¹	EER (Nominal Cooling)		W/W	4.50	4.11	3.75
	COP (Nominal Heating)		W/W	4.80	4.70	4.45
	SEER		W/W	10.50	10.10	9.50
Compressor	Type		-	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	4.04	4.04	4.04
	Oil	Type	-	PVE	PVE	PVE
		Initial Charge	cc	1,700	1,700	1,700
Fan	Type & Discharge direction		-	Propeller	Propeller	Propeller
			-	Horizontal	Horizontal	Horizontal
	Airflow Rate	(H/M/L)	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	125.0 x 2	125.0 x 2	125.0 x 2
Piping Connections	Liquid Pipe		ø, mm	9.52	9.52	9.52
			ø, inch	3/8	3/8	3/8
	Gas Pipe		ø, mm	15.88	15.88	19.05
			ø, inch	5/8	5/8	3/4
	Discharge Gas Pipe		ø, mm	15.88	15.88	15.88
			ø, inch	5/8	5/8	5/8
	Installation Max. Length		m	150	150	150
	Installation Max. Height		m	50	50	50
Wiring Connections	Communication	Min.	m	0.75~1.50	0.75~1.50	0.75~1.50
		Remark	-	F1, F2	F1, F2	F1, F2
Refrigerant	Type		-	R410A (Fluorinated greenhouse gas, GWP=2,088)		
	Factory Charging		kg	3.2	3.2	3.3
			kg / tCO ₂ e	6.7	6.7	6.9
Sound	Sound Pressure ²		dB(A)	52	52	53
	Sound Power		dB(A)	67	68	70
External Dimensions	Net Weight		kg	97.0	97.0	100.0
	Net Dimensions (W x H x D)		mm	940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330
Operating Temperature 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



AM040NXMDGR/EU	AM050NXMDGR/EU	AM060NXMDGR/EU
3Φ, 380~415 V, 50 Hz	3Φ, 380~415 V, 50 Hz	3Φ, 380~415 V, 50 Hz
4	5	6
12.1	14.0	15.5
12.1	14.0	15.5
2.69	3.41	4.13
2.58	3.11	3.65
4.1	5.2	6.3
3.8	4.5	5.3
10.0	12.0	12.0
16	16	16
4.50	4.11	3.75
4.80	4.70	4.45
10.50	10.10	9.50
Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
4.04	4.04	4.04
PVE	PVE	PVE
1,700	1,700	1,700
Propeller	Propeller	Propeller
Horizontal	Horizontal	Horizontal
100	100	100
1,666.70	1,666.70	1,666.70
3	3	3
29.4	29.4	29.4
BLDC Motor	BLDC Motor	BLDC Motor
125.0 x 2	125.0 x 2	125.0 x 2
9.52	9.52	9.52
3/8	3/8	3/8
19.05	19.05	19.05
3/4	3/4	3/4
15.88	15.88	15.88
5/8	5/8	5/8
150	150	150
50	50	50
0.75~1.50	0.75~1.50	0.75~1.50
F1, F2	F1, F2	F1, F2
R410A (Fluorinated greenhouse gas, GWP=2,088)		
3.2	3.2	3.3
6.7	6.7	6.9
52	52	53
67	68	70
95.0	95.0	98.0
940 x 1,210 x 330	940 x 1,210 x 330	940 x 1,210 x 330
-5.0~48.0	-5.0~48.0	-5.0~48.0
-25.0~26.0	-25.0~26.0	-25.0~26.0

¹Performances are based on the following test conditions:

- 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
- Equivalent refrigerant piping: 7.5 m, Level differences: 0 m

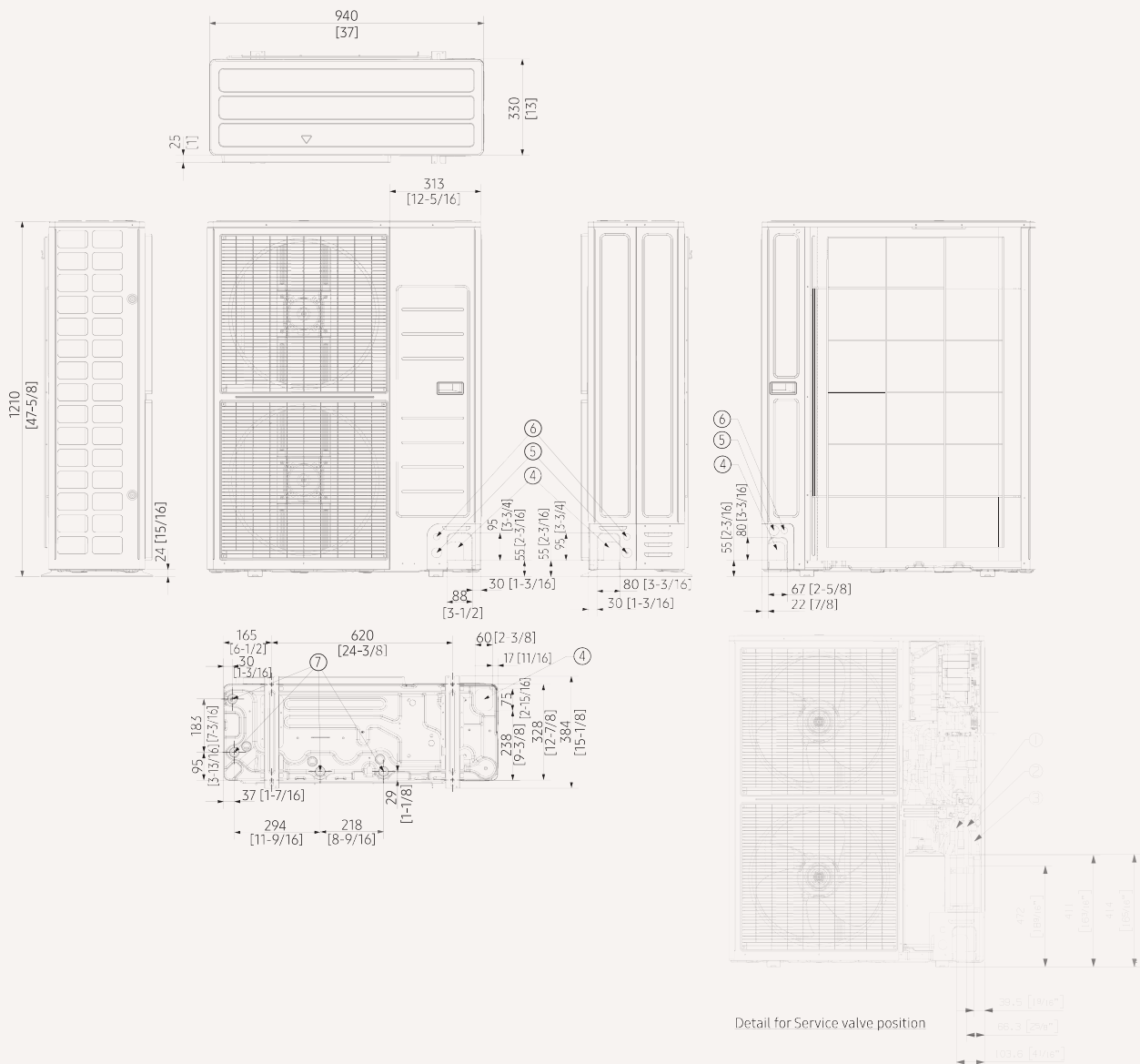
²Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ according to operating conditions. Sound power level is an absolute value that a sound source generates.



Dimensional drawings

DVM S Eco Heat Recovery (With Heat Recovery Changer Kit)

AM***NXMD*R/EU



NO	Name	Description	
		4/5 hp	6 hp
1	Refrigerant liquid pipe	ø9.52 (ø3/8)	
2	Refrigerant gas pipe	ø15.88 (ø5/8)	ø19.05 (ø3/4)
3	Knock-out hole for pipe intake	Front/Side/Rear/Bottom	
4	Power wiring conduits	Front/Side/Rear, ø34.00 (ø1 3/8)	
5	Communication wiring conduits	Front/Side/Rear, ø22.00 (ø7/8)	
6	Drain holes	Connect with the provided drain plug.	