

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 Rotary 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	-	Propeller/BLDC	Propeller/BLDC	Propeller/BLDC	
	Discharge direction	-	Horizontal	Horizontal	Horizontal	
	Motor (Output)	kW × n	125.0 × 2	125.0 × 2	125.0 × 2	
	Airflow Rate	(H/M/L)	m ³ /min	100	100	100
		(H/M/L)	l/s	1,666.70	1,666.70	1,666.70
	External Static Pressure	(Min/Std/Max)	mmAq	3	3	3
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	
Field Wiring	Transmission Cable	m	0.75-1.50	0.75-1.50	0.75-1.50	
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 ²	Sound Pressure	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/BLDC	Propeller/BLDC	Propeller/BLDC
Horizontal	Horizontal	Horizontal
125.0 x 2	125.0 x 2	125.0 x 2
100	100	100
1,666.70	1,666.70	1,666.70
3	3	3
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
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

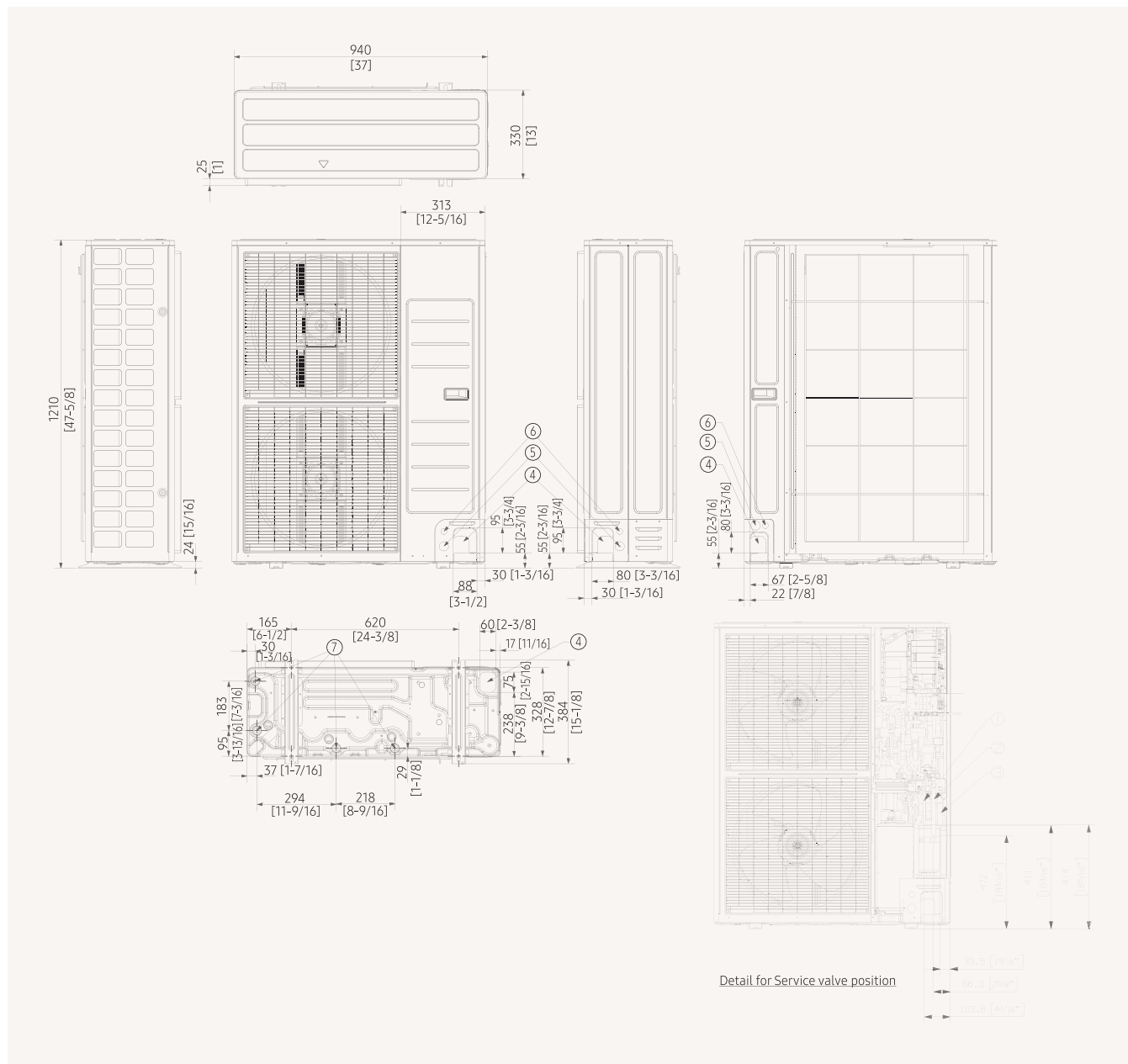
²Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ according to operating conditions. Sound power level is an absolute value that a sound source generates.



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.	