

Specifications

DVM S2 Standard Heat Pump (2-Pipe)

- Erp (Ecodesign) compliant and Eurovent certified
- Advanced Flash Injection™ technology
- Active AI Pressure Control
- Active AI Defrost

- Active AI Refrigerant analysis
- Durafin™ Ultra Heat Exchanger Fin
- Optional Slimmer Liquid Pipe
- On-device Inverter Checker™



¹ Performances 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

² 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 according to operating conditions. Sound power level is an absolute value that a sound source generates.

³ ODU: Outdoor Unit, IDU: Indoor Unit



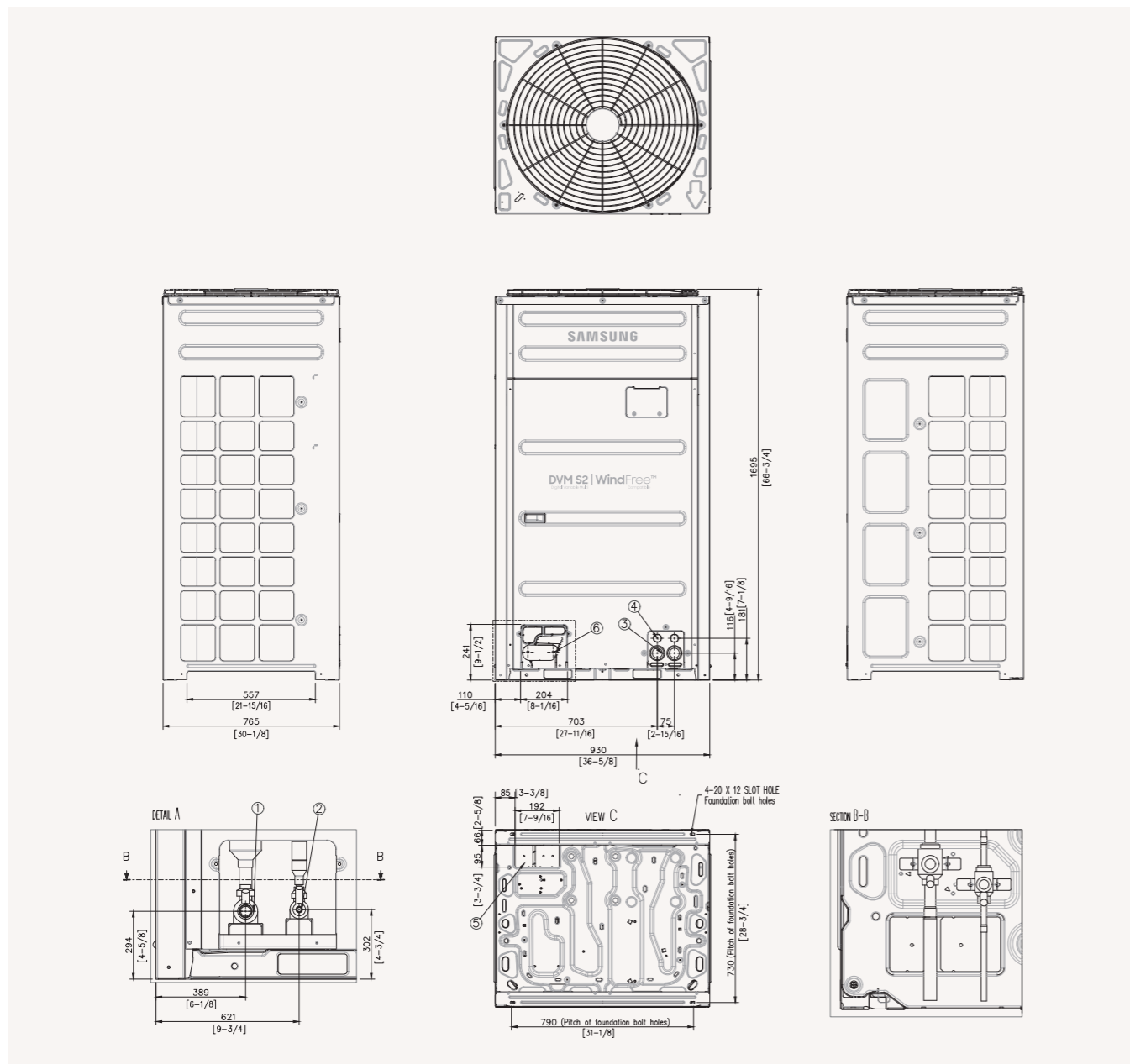
Model		AM080AXVAGH/EU	AM100AXVAGH/EU	AM120AXVAGH/EU		
Power Supply		Φ, #, V, Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	
Performance	hp	hp	8	10	12	
	Capacity	Cooling	kW	22.4	28.0	33.6
		Heating	kW	22.4	28.0	33.6
	Maximum number of connectable indoor units	ea	14	18	21	
	Total capacity of the connected indoor units	Min.	kW	11.2	14.0	16.8
Max.		kW	29.1	36.4	43.7	
Power	Current Input	Cooling	A	12.60	18.41	19.83
		Heating	A	9.50	12.90	14.82
	Current	MCA	A	18.0	23.0	25.0
		MFA	A	25	32	32
Energy Efficiency¹	SEER	W/W	6.5	6.2	6.6	
	SCOP	W/W	4.2	4.2	4.4	
	ηs.c	%	257	245	261	
	ηs.h	%	165	165	173	
Compressor	Output	kW x n	4.60 x 1	6.67 x 1	6.67 x 1	
	Oil	Type	-	PVE	PVE	
	Initial Charge	cc x n	900 x 1	1,100 x 1	1,100 x 1	
Fan	Type	-	Propeller	Propeller	Propeller	
	Discharge direction	-	Vertical	Vertical	Vertical	
	Number of Fans	ea	1	1	1	
	Airflow Rate	m³/min	151	167	196	
		l/s	2,515.00	2,779.00	3,260.00	
External Static Pressure	Max.	mmAq	11	11	11	
	Pa	110	110	110		
Fan Motor	Type	-	BLDC Motor	BLDC Motor	BLDC Motor	
	Output	W x n	630 x 1	630 x 1	630 x 1	
Piping Connections	Liquid Pipe	ø, mm	9.52	9.52	12.70	
		ø, inch	3/8	3/8	1/2	
	Gas Pipe	ø, mm	19.05	22.22	28.58	
		ø, inch	3/4	7/8	1 1/8	
	Piping length (ODU-IDU) ³	Max. (Equiv.)	m	200 [220]	200 [220]	200 [220]
	Piping length (1st Branch - IDU) ³	Max.	m	90	90	90
	Total piping length (System)	Max.	m	1,000	1,000	1,000
	Level difference (ODU in highest position) ³	Max.	m	110	110	110
Level difference (IDU in highest position) ³	Max.	m	110	110	110	
Level Difference (IDU-IDU) ³	Max.	m	50	50	50	
Wiring Connections	Transmission Cable	mm²	0.75	0.75	0.75	
Refrigerant	Remark	-	F1, F2	F1, F2	F1, F2	
	Type	-	R410A(Fluorinated greenhouse gas, GWP=2,088)			
	Factory Charging	kg	5.5	7.0	7.0	
	tCO ₂ e	11.48	11.48	14.62		
Sound	Sound Pressure ²	Cooling	dB(A)	53	56	61
		Heating	dB(A)	58	60	63
	Sound Power	Cooling	dB(A)	75	78	81
External Dimensions	Net Weight	kg	175	185	205	
	Net Dimensions (W x H x D)	mm	930 x 1,695 x 765	930 x 1,695 x 765	930 x 1,695 x 765	
Operating Temperature Range	Cooling	°C	-5-50	-5-50	-5-50	
	Heating	°C	-25-24	-25-24	-25-24	

AM140AXVAGH/EU	AM160AXVAGH/EU	AM180AXVAGH/EU	AM200AXVAGH/EU	AM220AXVAGH/EU	AM240AXVAGH/EU	AM260AXVAGH/EU
3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
14	16	18	20	22	24	26
40.0	45.0	50.4	56.0	61.6	67.2	72.8
40.0	45.0	50.4	56.0	61.6	67.2	68.0
26	29	32	36	40	43	47
20.0	22.5	25.2	28.0	30.8	33.6	36.4
52.0	58.5	65.5	72.8	80.1	87.4	94.6
27.72	29.47	33.87	39.87	45.43	50.05	58.83
18.81	20.13	22.29	26.49	28.11	45.58	46.54
29.0	32.0	39.2	43.0	46.0	55.0	60.0
32	40	50	63	63	63	75
6.4	6.5	6.1	6.2	5.9	5.6	5.1
4.2	4.3	4.2	4.1	4.1	3.7	3.7
253	257	241	245	233	221	201
165	169	165	161	161	145	145
6.67 x 1	8.93 x 1	8.93 x 1	8.93 x 1	6.67 x 2	6.67 x 2	6.67 x 2
PVE	PVE	PVE	PVE	PVE	PVE	PVE
1,100 x 1	1,400 x 1	1,400 x 1	1,400 x 1	1,100 x 2	1,100 x 2	1,100 x 2
Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller
Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
1	2	2	2	2	2	2
210	303	324	313	342	365	365
3,500.00	5,052.00	5,401.00	5,209.00	5,698.00	6,089.00	6,089.00
8	11	11	11	11	8	8
80	110	110	110	110	80	80
BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor
630 x 1	620 x 2	620 x 2	620 x 2	620 x 2	620 x 2	620 x 2
12.70	12.70	15.88	15.88	15.88	15.88	19.05
1/2	1/2	5/8	5/8	5/8	5/8	3/4
28.58	28.58	28.58	28.58	28.58	34.92	34.92
11/8	11/8	11/8	11/8	11/8	1 3/8	1 3/8
200 [220]	200 [220]	200 [220]	200 [220]	200 [220]	200 [220]	200 [220]
90	90	90	90	90	90	90
1,000	1,000	1,000	1,000	1,000	1,000	1,000
110	110	110	110	110	110	110
110	110	110	110	110	110	110
50	50	50	50	50	50	50
0.75	0.75	0.75	0.75	0.75	0.75	0.75
F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
R410A(Fluorinated greenhouse gas, GWP=2,088)						
7.0	8.0	8.0	10.5	10.5	14.0	14.0
14.62	16.70	16.70	21.92	21.92	29.23	29.23
63	60	61	61	64	65	65
65	62	64	63	65	67	67
85	81	83	84	86	87	87
207	242	242	268	301	325	325
930 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765	1,295 x 1,695 x 765
-5-50	-5-50	-5-50	-5-50	-5-50	-5-50	-5-50
-25-24	-25-24	-25-24	-25-24	-25-24	-25-24	-25-24

Dimensional drawings

DVM S2 Standard Heat Pump (2-Pipe)

AM080/100/120/140AXVAGH/EU

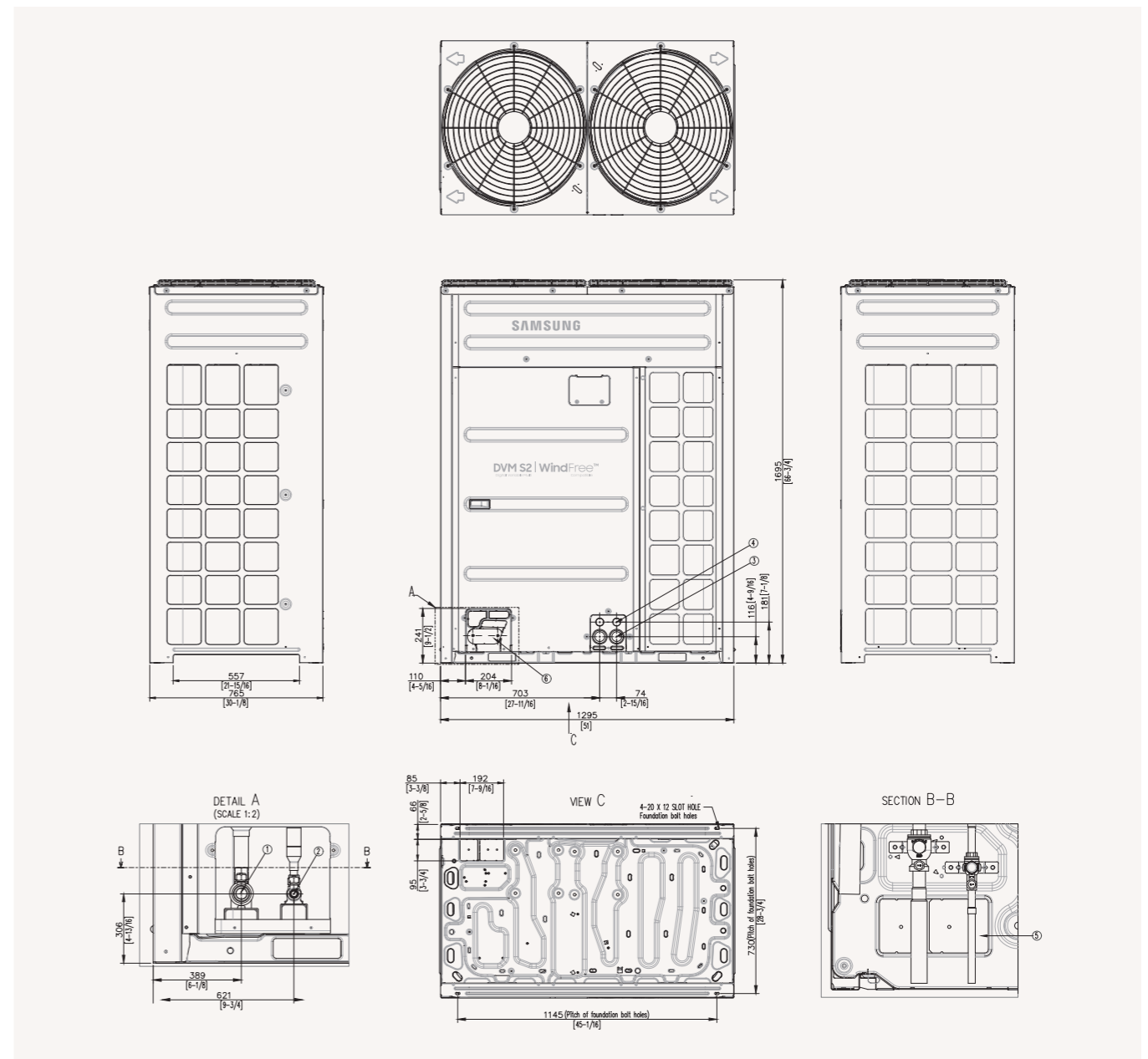


NO	Name	Description
1	Gas Ref.pipe	See NOTE 4.
2	Liquid Ref.pipe	See NOTE 4.
3	Power wiring conduit	Ø44
4	Communication wiring conduit	Ø34
5	Knock-out Hole for Ref.Piping (bottom)	
6	Knock-out Hole for Ref.Piping (front)	

Note:

1. Detail A and SECTION B-B indicate the dimension after fixing the attached piping.
2. Item 3-6: Knock-out hole
3. View C indicate the dimension of knock-out hole (bottom)
4. Pipe [Ø, mm(inch)]: Brazing connection

AM160/180/200/240/260AXVAGH/EU



NO	Name	Description
1	Gas Ref.pipe	See NOTE 4.
2	Liquid Ref.pipe	See NOTE 4.
3	Power wiring conduit	Ø44
4	Communication wiring conduit	Ø34
5	Knock-out Hole for Ref.Piping (bottom)	
6	Knock-out Hole for Ref.Piping (front)	

Note:

1. Detail A and SECTION B-B indicate the dimension after fixing the attached piping.
2. Item 3-6: Knock-out hole
3. View C indicate the dimension of knock-out hole (bottom)
4. Pipe [Ø, mm(inch)]: Brazing connection

HP	Liquid pipe	Gas pipe
8	9.52(3/8)	19.05(3/4)
10	9.52(3/8)	22.22(7/8)
12	12.70(1/2)	28.58(1-1/8)
14	12.70(1/2)	28.58(1-1/8)
16	12.70(1/2)	28.58(1-1/8)
18	15.88(5/8)	28.58(1-1/8)
20	15.88(5/8)	28.58(1-1/8)
22	15.88(5/8)	28.58(1-1/8)
24	15.88(5/8)	34.92(1-3/8)
26	19.05(3/4)	34.92(1-3/8)