



2-5 Product Specification

2-5-1 Outdoor Unit

■ DVM S2 Standard Type (Heat Pump)

Type			DVM S2										
													
Model CODE			AM080AXVAGH/EU	AM100AXVAGH/EU	AM120AXVAGH/EU	AM140AXVAGH/EU	AM160AXVAGH/EU	AM180AXVAGH/EU	AM200AXVAGH/EU	AM220AXVAGH/EU	AM240AXVAGH/EU	AM260AXVAGH/EU	
Power Supply			3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	3,4,380~415,50	
Mode			-	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	Capacity (Nominal)	HP	HP	8	10	12	14	16	18	20	22	24	26
		Cooling	kW	22.4	28.0	33.6	40.0	45.0	50.4	56.0	61.6	67.2	72.8
Power	Power Input	Heating	kW	22.4	28.0	33.6	40.0	45.0	50.4	56.0	61.6	67.2	72.8
		Cooling	kW	8.12	11.86	12.78	17.86	18.99	21.82	25.69	29.9	32.94	38.72
	Current Input	Heating	kW	6.12	8.31	9.55	12.12	12.97	14.36	17.07	18.5	30	30.63
		Cooling	A	12.60	18.41	19.83	27.72	29.47	33.87	39.87	45.43	50.05	58.83
	MCA	Heating	A	9.50	12.90	14.82	18.81	20.13	22.29	26.49	28.11	45.58	46.54
		Cooling	A	18.0	23.0	25.0	29.0	32.0	39.2	43.0	46.0	55.0	60.0
COP	MFA (MOP)	A	25.0	32.0	32.0	32.0	40.0	50.0	63.0	63.0	63.0	75.0	
	Nominal Cooling	W/W	2.76	2.36	2.63	2.24	2.37	2.31	2.18	2.06	2.04	1.88	
Efficiency	Nominal Heating	W/W	3.66	3.37	3.52	3.3	3.47	3.51	3.28	3.33	2.24	2.22	
	SEER	W/W	6.50	6.20	6.60	6.40	6.50	6.10	6.20	5.90	5.60	5.10	
	SCOP	W/W	4.20	4.20	4.40	4.20	4.30	4.20	4.10	4.10	3.70	3.70	
	Pdesignh	kW	13.7	16.3	18.8	20.3	24.0	26.5	29.1	30.1	31	32	
Compressor	Type	-	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	
	Output	kW × n	4.6 x 1	6.67 x 1	6.67 x 1	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	
	Model Name	-	DS2GR7046FVA×1	DS4GR7066FVA×1	DS4GR7066FVA×1	DS4GR7066FVA×1	DS4GM7090FVA×1	DS4GM7090FVA×1	DS4GM7090FVA×1	DS4GR7066FVA×2	DS4GR7066FVA×2	DS4GR7066FVA×2	
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE	PVE	PVE	PVE	PVE	
Fan	Initial charge	cc x n	900 x 1	1,100 x 1	1,100 x 1	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	
		Type	-	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	Propeller	
	Discharge direction	-	Top	Top	Top	Top	Top	Top	Top	Top	Top	Top	
	Quantity	-	1	1	1	1	2	2	2	2	2	2	
Air Flow Rate	CMM	151	167	196	210	303	324	313	342	365	365		
	l/s	2515	2779	3260	3500	5052	5401	5209	5698	6089	6089		
External Static Pressure	Max	mmAq	11	11	11	8	11	11	11	11	8	8	
		Pa	110	110	110	80	110	110	110	110	80	80	
Fan Motor	Type	-	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	BLDC Motor	
	Output x n	W x n	630 x 1	630 x 1	630 x 1	630 x 1	620 x 2	620 x 2	620 x 2	620 x 2	620 x 2	620 x 2	
Piping Connections	Liquid Pipe	Φ, mm	9.52	9.52	12.7	12.7	12.7	15.88	15.88	15.88	15.88	19.05	
		Φ, inch	3/8"	3/8"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	3/4"	
	Gas Pipe	Φ, mm	19.05	22.22	28.58	28.58	28.58	28.58	28.58	28.58	34.92	34.92	
		Φ, inch	3/4"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"	1 3/8"	
Installation Limitation	Max. Length	m	220	220	220	220	220	220	220	220	220		
	Max. Height	m	50(110)/40(110)	50(110)/40(110)	50(110)/40(110)	50(110)/40(110)	50(110)/40(110)	50(110)/40(110)	50(110)/40(110)	50(110)/40(110)	50(110)/40(110)	50(110)/40(110)	
Field Wiring	Power Source Wire	mm2	-	-	-	-	-	-	-	-	-	-	
	Transmission Cable	Min.	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
	Transmission Cable	Remark	-	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2	
Refrigerant	Power supply intake	-	Both IDU&ODU	Both IDU&ODU	Both IDU&ODU	Both IDU&ODU	Both IDU&ODU	Both IDU&ODU	Both IDU&ODU	Both IDU&ODU	Both IDU&ODU	Both IDU&ODU	
	Type	-	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	
External Dimension	Factory Charging	kg	5.5	7.0	8.0	10.5	10.5	10.5	10.5	14.0	14.0		
	Net Weight	kg	175	185	205	207	242	242	268	301	325	325	
	Shipping Weight	kg	189	199	219	221	259	259	285	318	342	342	
Operating Temp. Range	Net Dimensions (WxHxD)	mm	930x1695x765	930x1695x765	930x1695x765	930x1695x765	1295x1695x765	1295x1695x765	1295x1695x765	1295x1695x765	1295x1695x765	1295x1695x765	
	Shipping Dimensions (WxHxD)	mm	998x1887x829	998x1887x829	998x1887x829	998x1887x829	1363x1887x829	1363x1887x829	1363x1887x829	1363x1887x829	1363x1887x829	1363x1887x829	
Cooling	°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50	
	Heating	°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	