






2-5 Product Specification

2-5-1 Outdoor Unit

■ DVM S2 Essential type (Heat Pump)

Type			DVM S2					
								
Model CODE			AM100AXVDGH/EU	AM120AXVDGH/EU	AM140AXVDGH/EU	AM160AXVDGH/EU	AM180AXVDGH/EU	
Power Supply		Φ, #, V, Hz	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	
Performance	HP		8	10	12	14	16	
	Capacity (Nominal)	Cooling	kW	28.0	33.6	40.0	45.0	50.4
		Heating	kW	28.0	33.6	40.0	50.4	
Power	Power Input	Cooling	kW	13.21	14.18	18.43	20.00	24.23
		Heating	kW	9.24	10.60	13.47	14.42	15.95
	Current Input	Cooling	A	20.5	22.01	28.60	31.04	37.61
		Heating	A	14.34	16.45	20.91	22.38	24.75
MCA		A	23.0	25.0	29.0	32.0	39.2	
MFA (MOP)		A	32.0	32.0	32.0	40.0	50.0	
COP	Nominal Cooling		W/W	2.12	2.37	2.17	2.25	2.08
	Nominal Heating		W/W	3.03	3.17	2.97	3.12	3.16
Efficiency	SEER		W/W	6.00	6.40	6.20	6.30	5.90
	SCOP		W/W	4.10	4.30	4.10	4.20	4.10
	Pdesignh		kW	16.3	18.8	20.3	24.0	26.5
Compressor	Type		-	Inverter	Inverter	Inverter	Inverter	Inverter
	Output		kW x n	6.67 x 1	6.67 x 1	6.67 x 1	8.93 x 1	8.93 x 1
	Model Name		-	DS4GR7066FVA×1	DS4GR7066FVA×1	DS4GR7066FVA×1	DS4GM7090FVA×1	DS4GM7090FVA×1
	Oil	Type	-	PVE	PVE	PVE	PVE	PVE
Initial charge		cc x n	1,100 x 1	1,100 x 1	1,100 x 1	1,400 x 1	1,400 x 1	
Fan	Type		-	Propeller	Propeller	Propeller	Propeller	Propeller
	Discharge direction		-	Top	Top	Top	Top	Top
	Quantity		-	1	1	1	2	2
	Air Flow Rate		CMM	167	196	210	303	324
			l/s	2779	3260	3500	5052	5401
	External Static Pressure	Max	mmAq	11	11	8	11	11
Pa			110	110	80	110	110	
Fan Motor	Type		-	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	620 x 2	620 x 2
Piping Connections	Liquid Pipe		Φ, mm	9.52	12.7	12.7	12.7	15.88
			Φ, inch	3/8"	1/2"	1/2"	1/2"	5/8"
	Gas Pipe		Φ, mm	22.22	28.58	28.58	28.58	28.58
			Φ, inch	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
	Installation Limitation	Max. Length	m	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)
Field Wiring	Power Source Wire		mm2	-	-	-	-	-
	Transmission Cable	Min.	mm2	0.75	0.75	0.75	0.75	0.75
		Remark	-	F1, F2	F1, F2	F1, F2	F1, F2	F1, F2
	Power supply intake		-	Both IDU&ODU	Both IDU&ODU	Both IDU&ODU	Both IDU&ODU	Both IDU&ODU
Refrigerant	Type		-	R410A	R410A	R410A	R410A	R410A
	Factory Charging		kg	5.5	7.0	7.0	8.0	8.0
External Dimension	Net Weight		kg	185	205	207	242	242
	Shipping Weight		kg	199	219	221	259	259
	Net Dimensions (WxHxD)		mm	930x1695x765	930x1695x765	930x1695x765	1295x1695x765	1295x1695x765
Operating Temp. Range	Shipping Dimensions (WxHxD)		mm	998x1887x829	998x1887x829	998x1887x829	1363x1887x829	1363x1887x829
	Cooling	°C	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50	-5 ~ 50	
		Heating	°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24	