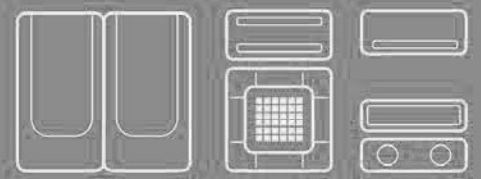


VRF

Technical Data Book

DVM Chiller for Europe (R410A, 50/60Hz, HP)



Model : AG***KSVANH/EU

1 Specification

DVM Chiller

Type			DVM Chiller	DVM Chiller	DVM Chiller	
Model Name			AG042KSVANH/EU	AG056KSVANH/EU	AG070KSVANH/EU	
Power Supply		Φ, #, V, Hz	3,4,380-415,50/60	3,4,380-415,50/60	3,4,380-415,50/60	
Mode		-	HEAT PUMP	HEAT PUMP	HEAT PUMP	
Performance	HP	HP	15	20	25	
	Ton	usRT	12	16	18.5	
	Capacity (Nominal)	Cooling	kW	42.0	56.0	65.0
Heating		kW	42.0	56.0	69.5	
Power	Power Input (Nominal)	Cooling	kW	12.35	18.67	26.00
		Heating		11.83	17.50	24.39
	Current Input (Nominal)	Cooling	A	19.6	29.6	41.2
		Heating		18.8	27.8	38.7
	MCA	A	32.0	46.0	58.0	
	MFA	A	40	60	75	
COP	Nominal Cooling	W/W	3.40	3.00	2.50	
	Nominal Heating	W/W	3.55	3.20	2.85	
Efficiency	ESEER	W/W	5.7	5.4	5.0	
Compressor	Type	-	Scroll Inverter	Scroll Inverter	Scroll Inverter	
	Output	kW × n	6.76 × 2	6.76 × 2	6.76 × 2	
	Model Name	-	DS-GB070FAVA	DS-GB070FAVA	DS-GB070FAVA	
	Oil	Type	-	PVE	PVE	PVE
Fan	Type	-	Propeller	Propeller	Propeller	
	Output x n	W	630 × 2	630 × 2	630 × 2	
	Air Flow Rate	CMM	364 (182 × 2)	364 (182 × 2)	392 (196 × 2)	
	External Static Pressure	Max. mmAq	8.0	8.0	8.0	
Water Side Heat Exchanger	Type	-	Brazing Plate	Brazing Plate	Brazing Plate	
	QTy	EA	2	2	2	
	Water Flow Rate (Cooling / Heating)	LPM	120 / 120	160 / 160	186 / 200	
	Pressure Drop (Set, Norminal)	kPa	60	100	120	
	Max Operating Pressure	MPa	1.0	1.0	1.0	
	Connection Type	-	FLANGE	FLANGE	FLANGE	
	Pipe connection (Inlet / Outlet)	A	40	40	50	
Field Wiring	Power Source Wire	mm2	-	-	-	
	Transmission Cable	mm2	0.75 ~ 1.5	0.75 ~ 1.5	0.75 ~ 1.5	
Refrigerant	Type	-	R410A	R410A	R410A	
	Factory Charging	kg	18.0	18.0	18.0	
Sound	Sound Pressure	dB(A)	60.0	62.0	63.0	
	Sound Power		80.0	83.0	85.0	
External Dimension	Net Weight	kg	446	446	465	
	Shipping Weight	kg	468	468	487	
	Net Dimensions (WxHxD)	mm	1,795 x 1,695 x 765	1,795 x 1,695 x 765	1,795 x 1,695 x 765	
	Shipping Dimensions (WxHxD)	mm	1,900 x 1,887 x 919	1,900 x 1,887 x 919	1,900 x 1,887 x 919	
Operating Water Temp. Range	Cooling	°C	5 ~ 25	5 ~ 25	5 ~ 25	
	Cooling (If using brine)	°C	-10~25	-10~25	-10~25	
	Heating	°C	25 ~ 55	25 ~ 55	25 ~ 55	
Operating Water flow Range	Water Flow Rate	LPM	60 ~ 240	80 ~ 320	93 ~ 400	
	Minimum water storage in the system	L	294	392	490	
Operating Amb. Temp. Range	Cooling	°C	-15 ~ 48	-15 ~ 48	-15 ~ 48	
	Heating	°C	-25 ~ 43	-25 ~ 43	-25 ~ 43	

[NOTE]

*Specification may be subject to change without prior notice.

1) Specification comply with EN14511.

2) Nominal cooling capacities are based on;
Chilled water inlet / outlet temperature : 12 / 7 °C, outdoor temperature : 35 °C DB, 24 °C WB.

3) Nominal heating capacities are based on;
Heating water inlet / outlet temperature : 40 / 45 °C, outdoor temperature : 7 °C DB, 6 °C WB.

4) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.