

Specifications



HVM Chiller

- Air-cooled HVM Chiller Heat Pump.
- Option of connecting up to 16 modules for a total capacity of more than 1 MW.
- Capacity modulation between 15% and 100%.
- Each unit houses 2 Inverter Scroll compressors, all equipped with Flash Injection technology.



Model		AG042KSVANH/EU	AG056KSVANH/EU	AG070KSVANH/EU	
Power Supply	Φ, #, V, Hz	3Φ, 4, 380-415 V, 50/60 Hz	3Φ, 4, 380-415 V, 50/60 Hz	3Φ, 4, 380-415 V, 50/60 Hz	
Performance	Capacity (Nominal)	Cooling kW	42	56	65
		Heating kW	42.0	56.0	69.5
Power	Power Input (Nominal)	Cooling kW	12.35	18.67	26.00
		Heating kW	11.83	17.50	24.39
	Current Input (Nominal)	Cooling A	19.6	29.6	41.2
		Heating A	18.8	27.8	38.7
	Current	MCA A	32	46	58
		MFA A	40	60	75
Efficiency	EER Nominal Cooling (pump input is not included)	W/W	3.4	3.0	2.5
	COP Nominal Heating (pump input is not included)	W/W	3.55	3.20	2.85
	ESEER (Pump input is not included)	W/W	5.7	5.4	5.0
Fan	Type	-	Axial Fan	Axial Fan	Axial Fan
	Number of Fans	-	2	2	2
	Airflow Rate	m ³ /min	364 (182 x 2)	364 (182 x 2)	392 (196 x 2)
	External Static Pressure	U/s	6,067	6,067	6,535
		mmAq	8.00	8.00	8.00
Pa	78.5	78.5	78.5		
Fan Motor	Type	-	BLDC Motor	BLDC Motor	BLDC Motor
	Output x n	W	630 x 2	630 x 2	630 x 2
Water Side Heat Exchanger	Type	-	Brazing Plate	Brazing Plate	Brazing Plate
	Water Flow Rate (Cooling/Heating)	L/min	120/120	160/160	186/200
	Pressure Drop (Set. Nominal)	kPa	60	100	120
	Max. Operating Pressure	MPa	1	1	1
	Connection Type	-	FLANGE	FLANGE	FLANGE
	Pipe Connection (Inlet/Outlet)	ø, mm	40	40	50
		ø, inch	1 1/2	1 1/2	2
Quantity	-	2	2	2	
Wiring Connections	Communication	Min. mm ²	0.75	0.75	0.75
	Remark		F1, F2	F1, F2	F1, F2
Refrigerant	Type	-	R410A (Fluorinated greenhouse gas, GWP=2,088)		
	Factory Charging	kg/tCO ₂ e	18/37.58	18/37.58	18/37.58
Sound 2	Sound Pressure	Cooling dB(A)	60	62	63
		Heating dB(A)	57	59	64
	Sound Power	dB(A)	80	83	85
External Dimensions	Net Weight	kg	446.0	446.0	465.0
	Net Dimensions (W x H x D)	mm	1,795 x 1,695 x 765	1,795 x 1,695 x 765	1,795 x 1,695 x 765
Operating Water Temperature Range	Cooling	°C	5.0-25.0	5.0-25.0	5.0-25.0
	Cooling (if using brine)	°C	-10.0-25.0	-10.0-25.0	-10.0-25.0
	Heating	°C	25.0-55.0	25.0-55.0	25.0-55.0
Operating Water Flow Range	Water Flow Rate	L/min	60-240	80-320	93-400
	Minimum Water Storage in the System	L	294	392	490
Operating Ambient Temperature Range	Cooling	°C	-15.0-48.0	-15.0-48.0	-15.0-48.0
	Heating	°C	-25.0-43.0	-25.0-43.0	-25.0-43.0

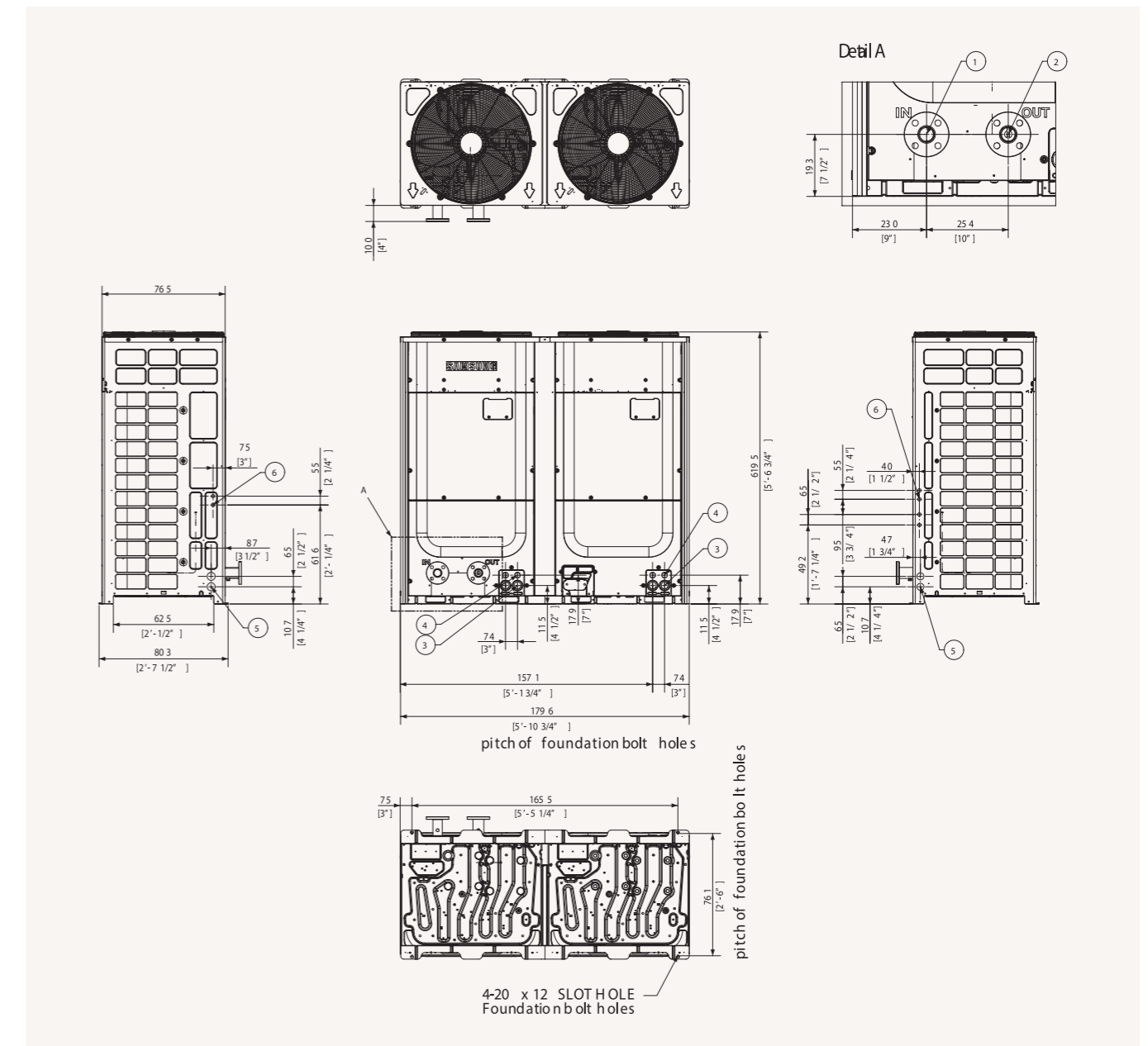
Accessories

Module Controller	DMS2.5	BACnet Gateway	Touch Centralised Controller	On/Off controller	PIM Module (Pulse Interface Module)	LonWorks Gateway	External Contact Interface Module
MCM-A00N	MIM-D01AN	MIM-B17BN	MCM-A300N	MCM-A202DN	MIM-B16N	MIM-B18BN	MIM-B14

Dimensional drawings

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AG042/056/070KSVANH/EU



NO	Name	Description
1	Inlet water flange	15/20 hp 40A Din Flange, 25 hp: 50A Din Flange
2	Outlet water flange	15/20 hp 40A Din Flange, 25 hp: 50A Din Flange
3	Power wiring conduits	Knock-out hole (front)
4	Communication wiring conduits	Knock-out hole (front)
5	Power wiring conduits	Knock-out hole (side)
6	Communication wiring conduits	Knock-out hole (side)