

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 Name		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	56	70	
Power	Power Input (Nominal)	Cooling kW	12.4	18.7	26.0	
		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	37	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	3.6	3.2	2.9	
	ESEER (Pump input is not included)	W/W	5.7	5.4	5.0	
	Type	-	Axial Fan	Axial Fan	Axial Fan	
Fan	Number of Fans	-	2	2	2	
	Airflow Rate	m³/min	364 (182 x 2)	364 (182 x 2)	392 (196 x 2)	
		l/s	6,067	6,067	6,535	
	External Static Pressure	Max.	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)	U/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.	mm²	0.75	0.75	
	Remark			F1, F2	F1, F2	
Refrigerant	Type	-	R410A (GWP=2,088) which is a fluorinated greenhouse gas			
Sound 2	Factory Charging		kg/CO ₂ e	18/37.58	18/37.58	18/37.58
		Sound Pressure	Cooling	dB(A)	60	62
Heating	dB(A)		57	59	64	
Sound Power	Cooling	dB(A)	80	83	85	
	Heating	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	
Operating Water Flow Range	Water Flow Rate	U/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

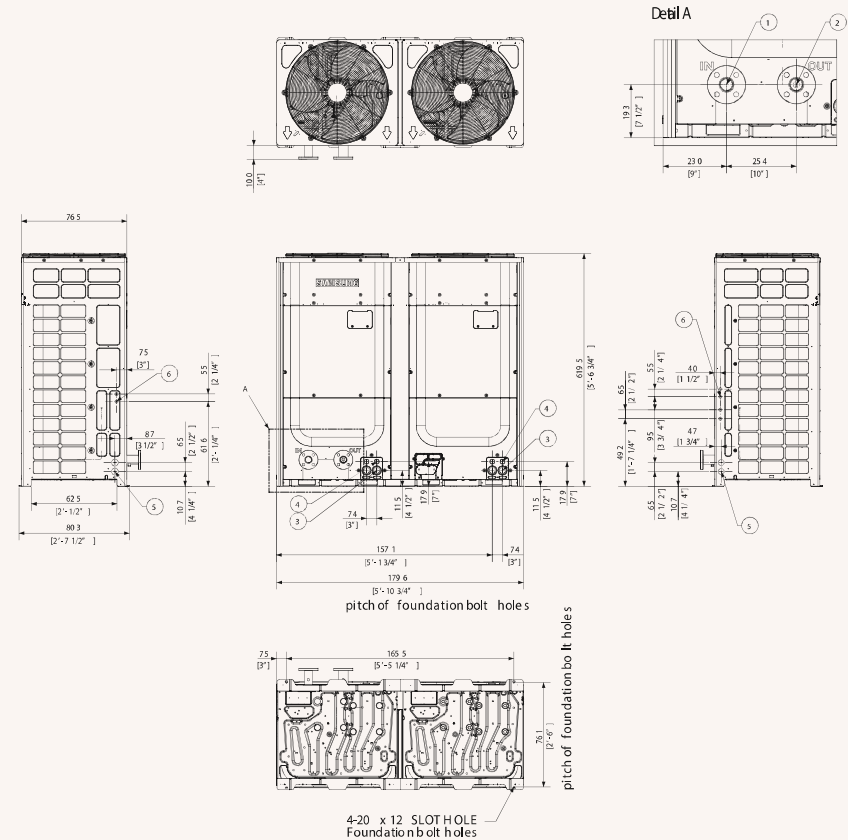


Module Controller	DMS2.5	BACnet Gateway	Touch Centralised Controller
MCM-A00N	MIM-D01AN	MIM-B17BN	MCM-A300N

Dimensional drawings

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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)