



HEAT PUMP FOR HEATING, COOLING AND HWS


- ▶ Five operation modes: Heating, Cooling, HWS, Heating + HWS, Cooling + HWS
- ▶ Scroll or rotary compressors of EVI technology
- ▶ Smart defrost
- ▶ Automatic reset in case of partial fault
- ▶ Wide temperature range of effective operation: from -30 °C to generate heat and up to +45 °C to generate Cooling
- ▶ Quiet mode
- ▶ Remote control
- ▶ Compressor overload protection
- ▶ Protection against high/low water temperatures at the outlet
- ▶ Unique heat exchanger in case of power loss it doesn't freeze during 20 hours at temperature -20 °C.

+60°C

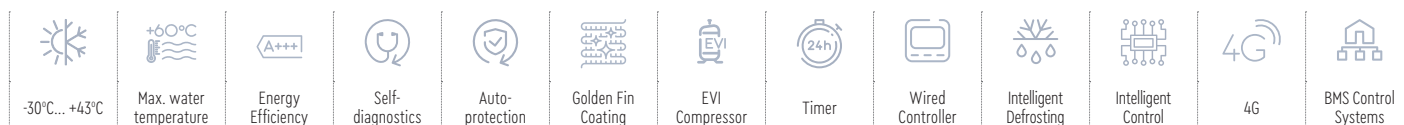


R410A
FREON



 +21°C ... +43°C
 -30°C ... +43°C

HEAT PUMP FOR HEATING, COOLING AND HWS



		CH-HP16UMNM	CH-HP24UMNM	CH-HP42UMNM	CH-HP84UMNM
Heating capacity ³	kW	15.4	24	42	84.0
Power input for heating ³	kW	3.79	5.97	10	20.0
Heating capacity ²	kW	15.7	22.6	43	86.0
Power input for heating ²	kW	5.3	8.9	14.5	29.0
DHW capacity ¹	kW	18.5	29.1	50	100.0
DHW power input ¹	kW	4.14	7.25	10.8	22.0
Cooling capacity ⁴	kW	10.8	17	27.3	59.0
Power input for cooling ⁴	kW	4.7	7.84	10.6	21.9
Power input	kW	8.1	10.2	16.7	33.5
Current input	A	13.5	18.7	25.8	61.5
Power supply		~380-415 V / 50 Hz / 3 Ph			
Number of compressors		1	2	1	2
Compressor type		EVI Rotary		EVI Scroll	
Number of fans		2		1	2
Fan power input	W	75×2	150×2	1100×1	1100×2
Fan speed	RPM	800		900	
Noise level	dB(A)	55	58	68	73
Piping inlet/outlet	inch	1 1/4	1 1/2	1 1/2	DN80 Flange
Water flow	m ³ /h	2.7	4.1	8.5	17
Water Pressure Drop	kPa	29	43	60	65
Unit Dimensions (L/W/H)	mm	955×435×1315	1175×450×1588	1415×860×1870	2170×1070×2100
Packing Dimensions (L/W/H)	mm	1070×435×1340	1225×430×1600	1490×1000×2050	2300×1230×2240
Net weight	kg	132	215	430	778
Gross weight	kg	147	229	458	814
Refrigerant R410A charge	kg	3	2.2×2	9	9×2

1. Hot Water outdoor temperature DB/WB 20°C/15°C outlet water circulation from 15°C to 55°C ;

2. Heating outdoor temperature DB/WB 7°C/6°C outlet water 55°C inlet water (return) 50°C ;

3. Heating outdoor temperature DB/WB 7°C/6°C outlet water 35°C inlet water (return) 30°C ;

4. Cooling outdoor temperature DB/WB 35°C/24°C outlet water 7°C inlet water (return) 12°C .