

INVERTER MODULAR HEAT PUMPS FOR HEATING AND COOLING



- ▶ Highly efficient and energy-saving, all models equipped with DC-inverter compressors and fans;
- ▶ Low noise level and wide operation range;
- ▶ Easy installation, simultaneous connection to 16 blocks;
- ▶ Remote control;
- ▶ High level of comfort and energy saving;
- ▶ Reliable protection systems;
- ▶ Balanced load for each compressor



❄ -15°C ... +52°C

☀ -20°C ... +40°C

INVERTER INDUSTRIAL PUMP FOR HEATING AND COOLING



TECHNICAL PARAMETERS

		CH-HP35UIMRM	CH-HP65UIMRM	CH-HP137UIMRM	
Cooling capacity	kW	32	60	130	
Heating capacity	kW	35	65	137	
Rated cooling capacity	kW	11.7	20.8	43.9	
Rated heating capacity	kW	10.6	19.9	41	
Sound pressure level	dB (A)	62	68	69	
Power supply		~380-415V/50 Hz/3 Ph			
Operation control		The microcomputer implementing fully automatic control, displaying the operation state and giving an alarm			
Safety systems		High-pressure and low-pressure safety cut-out, high-discharge temperature cut-out, freeze-up control, overflow control, phase safety device, water flow safety control, pressure sensor cutout, temperature sensor cutout, four-way valve safety control, compressor overheating control			
Compressor	Type	Fully enclosed rotor-type compressor			
	Quantity	1	2	4	
	Starting mode	With variable frequency			
Water-side heat exchanger		High-efficiency shell-and-tube heat exchanger			
Water flow volume	m ³ /h	5.5	10.32	22.36	
Water resistance	kPa	80	55	60	
The highest bearing pressure	MPa	4.6			
Connection method		By external threads		By flanges	
Piping inlet/outlet		1 1/4 Male BSP		DN80	
Air side	Air-side heat exchanger	High-efficiency finned coil heat exchanger			
	Rated power input of fan	W	750×2	750×4	
	Airflow volume	m ³ /h	2×0.63×10 ⁴	2×1.2×10 ⁴	4×1.55×10 ⁴
Outline dimensions	Width	mm	1340	2200	2305
	Depth	mm	845	965	1980
	Height	mm	1605	1675	2120
Net weight	kg	405	686	1286	
Operating weight	kg	445	755	1413	

ELECTRICAL PARAMETERS

	Power supply	Min. sectional area of the power cable (mm ²)			Capacity of the air switch (A)
		Live line	Neutral line	ground line	
CH-HP35UIMRM	~380-415V/50 Hz/3 Ph	6	6	6	32
CH-HP65UIMRM	~380-415V/50 Hz/3 Ph	16	16	16	63
CH-HP137UIMRM	~380-415V/50 Hz/3 Ph	35	35	35	150