

INVERTER INDUSTRIAL PUMP FOR HEATING AND COOLING



- ▶ High-efficiency and energy-saving, with all DC inverter compressor and fan
- ▶ Ultra quiet and wide operational range
- ▶ Easy installation, excellent compatibility, up to 16 single units can be modularized, intelligent control
- ▶ Long-distance one-key ON/OFF control
- ▶ With water pump switch function for prolonging service life of water pump
- ▶ Comfort and energy saving
- ▶ Powerful self-protection
- ▶ High reliability
- ▶ Equilibrium running each compressor

❄️ -15°C ... +52°C
☀️ -20°C ... +40°C

INVERTER INDUSTRIAL PUMP FOR HEATING AND COOLING



Model		CH-HP35UIRM	CH-HP65UIRM	CH-HP137UIRM	
Cooling capacity	kW	32	60	130	
Heating capacity	kW	35	65	137	
Rated cooling power	kW	11.7	20.8	43.9	
Rated heating power	kW	10.6	19.9	41	
Sound level	dB(A)	62	68	69	
Power supply	380-415V AC 3Ph 50Hz				
Operation control	The microcomputer implementing fully automatic control, displaying the operation state and giving an alarm				
Safety controls	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	
Max pressure	MPa	4.6			
Connection method	By external threads		By flanges		
Connection thread	G1 1/4 external thread		G2 external thread	DN80	
Air side	Air-side heat exchanger	High-efficiency finned coil heat exchanger			
	Rated input power of fan	W	750×2	750×2	
	Airflow volume	m ³ /h	2×0.63×10 ⁴	2×1.2×10 ⁴	4×1.55×10 ⁴
Outline dimension	Width	mm	1340	2200	2305
	Depth	mm	845	965	1980
	Height	mm	1605	1675	2120
Net weight	mm	405	686	1286	
Operating weight	kg	445	755	1413	

Model	Power supply	Min. sectional area of the power cable (mm ²)			Capacity of the air switch (A)
		Live line	Neutral line	Ground line	
CH-HP35UIRM	380V-415VAC 3Ph 50Hz	6	6	6	32
CH-HP65UIRM	380V-415VAC 3Ph 50Hz	16	16	16	63
CH-HP137UIRM	380V-415VAC 3Ph 50Hz	35	16	16	150