

HYPER POWER INVERTER SERIES




R290
FREON



HEAT PUMP FOR AIR CONDITIONING, HEATING AND HOT WATER SUPPLY



0°C ... +43°C



-30°C ... +43°C

This series operates on R290 F-Gas. It minimizes the negative effect of CO₂ emission and makes possible heating of outlet water to the maximum possible temperature.

- ▶ The maximum water heating temperature is up to 70°C.
- ▶ DC-inverter technology.
- ▶ The minimum sound pressure level is 40 dB.
- ▶ LCD SMART Display with a new generation 5-inch touch screen.
- ▶ 4G MMN (Management and Monitoring Network).
- ▶ Weather-dependent mode.
- ▶ IoT cloud platform.
- ▶ Wi-Fi (optional).
- ▶ Smart Pro 360 option: cascade control of up to 4 heat pumps, control of heat circuits, monitoring of energy efficiency.

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SUPERIOR EFFICIENCY

An energy related product (ErP) with A+++ rating and SCOP above 5.0, which is due to its excellent configuration, including compressors optimized for European heating conditions, ultra-high-efficiency fans, finned heat exchangers with special flow path design, and air ducts designed by fluid simulation.



ULTRA-SILENT DESIGN



- Lightweight, noise-reducing and low-density EPP air guide ring;
- Serrated fan blades with large air volume developed based on CFD simulation;
- high-end DC motor;
- Flexible mesh-type motor mounting bracket.

ELITE CRAFT

Improved design and better compactness: The integrated DC inverter drive board controls the fan and compressor at the same time, more efficient and simple. The heat pump is provided with high-end cabinet injection mould and, at the same time, equipped with rubber shock-absorbing feet, simplifying the installation.



Model		CH-HP15UIMPZM-H	CH-HP22UIMPZM-H
Power Supply	V/Ph/Hz	380/3/50	380/3/50
Heating Capacity	kW	12	17
Heating Power Input	kW	2.52	4.82
Cooling Capacity	kW	11.21	17
Cooling Power Input	kW	3.01	3.9
Hot Water Capacity	kW	18.3	33
Hot Water Power Input	kW	4.33	10.4
Rated Power Input	kW	9.35	10.4
Rated Current Input	A	19.2	15.82
Compressor quantity	-	1	2
Compressor Type	-		Rotary
Fan Type	-		DC
Nominal air flow	m ³ /h		4000
Fan Power Input	W	120	160
Sound pressure level (1m)	dB(A)		40
Condenser Type	-		Brazed plate heat exchanger
Rated flow rate	m ³ /h	2.06	2.92
Internal pressure drop @Rated flow	kPa	40	70
Water pump head @Rated flow	m	7.5	12.5
Water Pipe Connection	-		G1"
Refrigerant/charge volume	-	R290/1.3kg	R290/1.7kg
Max outlet heating water temperature	°C	75	77
Operating ambient temp. Range (heating)	°C	-30~43	-25~43
Operating ambient temp. range (DHW)	°C	-30~43	-25~43
Operating ambient temp. range (cooling)	°C		0~43
Unit Net Dimensions (L/W/H)	mm	1438×544×1105	1437×545×1524
Net Weight	kg	214	260