

# ECOPOWER SERIES



  
R290  
FREON



## HEAT PUMP FOR AIR CONDITIONING, HEATING OR HOT WATER SUPPLY



+75°C

 +15°C ... +43°C

 -25°C ... +43°C

- ▶ Maximum available outlet water temperature using only refrigerant circuit is 75°C
- ▶ Full DC Inverter technology
- ▶ LCD SMART Display with 5-inch touch screen new generation

- ▶ 4G MMN (Management and Monitoring Network)
- ▶ Weather-dependent mode
- ▶ Cloud IoT Platform
- ▶ Wi-fi optional

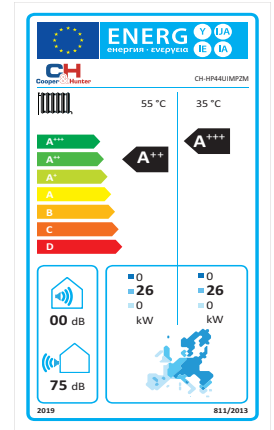
## HEAT PUMP FOR AIR CONDITIONING, HEATING AND HOT WATER SUPPLY

R290  
FREON

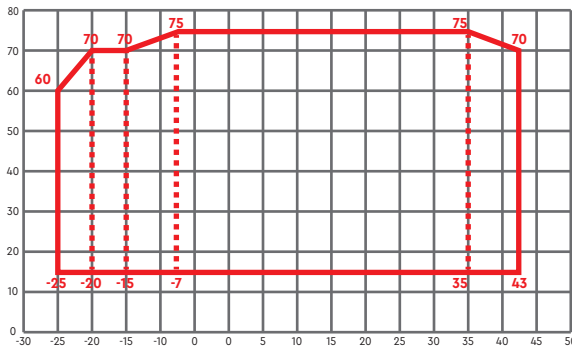


The ECOPOWER series of air-to-water heat pumps is designed to meet the strict requirements of efficient, stable operation with low noise.

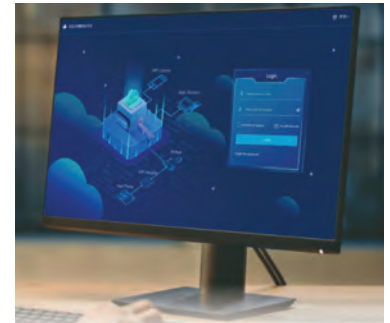
The combination of ecological freon R290 with inverter technologies makes ECOPOWER a unique heat pump with energy efficiency class A++ at a heat carrier temperature of 55 °C. Using this level of technology significantly reduces energy bills for users.



## HOT WATER WORKING RANGE



Fitted with a plug-and-play 4G DTU module, the heat pump can communicate with the webplatform via the cloud server. Project managers and technicians can monitor and manage the heat pump at all times. DTU cloud server is located in Europe, ensuring the security and stability of data transmission.



- 25°C... +43°C
- +75°C Max. water temperature
- Energy Efficiency
- Self-diagnostics
- Auto-protection
- Anti-corrosive Coating
- DC-Inverter Compressor
- Timer
- Wired Controller
- Intelligent Defrosting
- Intelligent Control
- 4G
- BMS Control Systems

Model	CH-HP44UIMZM	
Heating Capacity	kW	13.63~50.00
Heating Power Input	kW	4.36~16.00
Cooling Capacity	kW	9.27~34.00
Cooling Power Input	kW	3.91~14.35
Hot Water Capacity	kW	8.24~28.77
Hot Water Power Input	kW	6.01~22.00
Rated Power Input	kW	19.4
Rated Current Input	A	30.0
Power Supply	380~415V/50Hz/3Ph	
Compressor Quantity	2	
Compressor type	Rotary	
Fan Quantity	1	
Fan Power Input	W	750
Fan Rotate Speed	RPM	850
Refrigerant/charge volume	kg	R290/1.5 kg*2
Noise	dB(A)	58
Water Connection	inch	1.5
Water Flow Volume	m³/h	5.85
Unit Net Dimensions (L/W/H)	mm	1198×980×1816
Unit Shipping Dimensions (L/W/H)	mm	1320×1100×2150
Net Weight	kg	363
Shipping Weight	kg	456

Heating: outdoor temperature (DB/WB): 7°C/6°C, water temperature (IN/OUT): 30°C/35°C  
 Cooling: outdoor temperature (DB/WB): 35°C/24°C, water temperature (IN/OUT): 12°C/7°C  
 Hot water: outdoor temperature (DB/WB): -10°C, water temperature (IN/OUT): 50°C/55°C