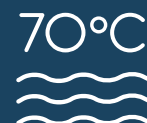


  
R290  
FREON



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



This series operates on R290 F-Gas. It minimizes the negative effect of CO<sub>2</sub> 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 42 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.

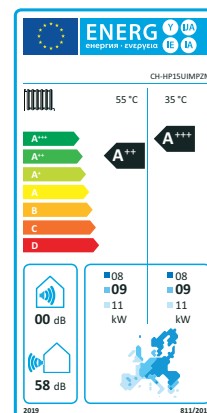
## HEAT PUMP FOR AIR CONDITIONING, HEATING AND HOT WATER SUPPLY

**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.

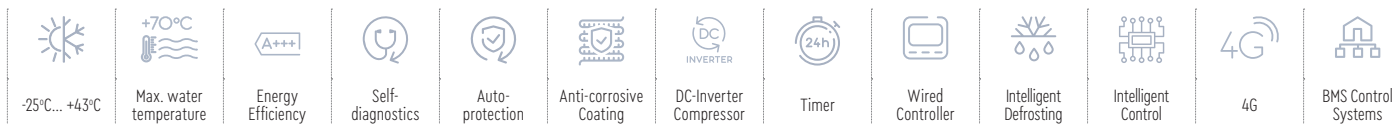
The combination of ecological freon R290 with inverter technologies makes ECOPOWER a unique heat pump with energy efficiency class A++ at a heat carrier temperature of 55 °C. Using this level of technology significantly reduces energy bills for users.



## QUIET OPERATION



Cooper&Hunter is dedicated to creating an ultra-quiet, efficient and environmentally friendly heat pump. The ECOPOWER series introduces significant noise reduction technologies, each product is repeatedly tested and optimized.



		CH-HP09UIMPZK	CH-HP15UIMPZK	CH-HP15UIMPZM	CH-HP22UIMPZM
<b>Heating capacity</b>	<b>kW</b>	1,20-5,72	3,60-10,50	3,60-10,50	4,20-15,00
<b>Cooling capacity</b>	<b>kW</b>	3,10-8,90	5,40-14,95	5,40-14,95	8,00-22,00
<b>Power input for cooling</b>	<b>kW</b>	0,65-2,40	1,12-4,47	1,12-4,47	1,80-7,30
<b>Power input for heating</b>	<b>kW</b>	0,65-2,10	1,05-3,85	1,05-3,85	1,60-6,90
<b>Max. power input</b>	<b>kW</b>	3	5,3	5,3	9
<b>Max. current input</b>	<b>A</b>	13,5	24,5	10,5	15,8
<b>Power supply</b>		~220-240V/50 Hz/1 Ph		~380-415V/50 Hz/3 Ph	
<b>Compressor type</b>		Rotary			
<b>Circulation pump</b>		DC			
<b>Number of fans</b>			1		2
<b>Sound pressure level (1m)</b>	<b>dB(A)</b>	42	43	44	47
<b>Piping inlet/outlet</b>	<b>inch</b>	1" Female			
<b>Water flow</b>	<b>m³/h</b>	1	1,7	1,7	2,9
<b>Heat exchanger resistance</b>	<b>kPa</b>	40	45	20	65
<b>Circulation pump pressure</b>	<b>m</b>	7,5	5,5	7,5	12,5
<b>Refrigerant charge volume</b>	<b>kg</b>	0,5	0,85	0,85	1,3
<b>Dimensions (W×D×H)</b>	<b>mm</b>	1167×407×795	1287×458×928		1250×540×1330
<b>Net weight</b>	<b>kg</b>	80	160	160	202

\* Cooling: outdoor temperature DB / WB 35°C / 24°C outlet water temperature 7°C inlet water temperature 12°C.

\* Heating: outdoor temperature DB / WB 7°C / 6°C outlet water temperature 35°C, inlet water temperature 30°C.