

ECOPOWER SERIES



HEAT PUMP FOR AIR CONDITIONING,
HEATING AND HOT WATER SUPPLY



HEAT PUMP FOR AIR CONDITIONING, HEATING AND HOT WATER SUPPLY

- Optimized airflow and heat transfer to reduce noise and increase efficiency
- New unique design and extremely low noise pressure
- New 290 freon, extremely high energy efficiency A+++
- The maximum outlet water temperature is 70 °C
- Water and freon temperature sensors are monitored in real time, which protects the plate heat exchanger
- Distributer that is inside the plate heat exchanger allows to provide channel with the same flow and reduces the risk of freezing
- The water flow switch and circulation pump protect heat pump from insufficient flow through heat exchanger
- When the water temperature is too low, the defrost mode will not be activated to reduce the possibility of freezing of the plate heat exchanger.
- Remote control by a smartphone, BMS smart home and a central server are from the manufacturer



MODEL		CH-HP9.0UIMPZK	CH-HP15IUMPZK	CH-HP15IUMPZM	CH-HP22UIMPZK	CH-HP22UIMPZM
Cooling capacity	kW	1,20-5,72	3,60-10,50	3,60-10,50	4,20-15,00	4,20-15,00
Heating capacity	kW	3,10-8,90	5,40-14,95	5,40-14,95	8,00-22,00	8,00-22,00
Power consumption cooling	kW	0,65-2,40	1,12-4,47	1,12-4,47	1,80-7,30	1,80-7,30
Power consumption heating	kW	0,65-2,10	1,05-3,85	1,05-3,85	1,60-6,90	1,60-6,90
Max. power consumption	kW	3,0	5,3	5,3	7,5	9,0
Max. current	A	13,5	24,5	10,5	35,0	15,8
Energy efficiency class		A+++				
Power supply		220-240V/50Hz/1N	220-240V/50Hz/1N	380-415V/50Hz/3N	220-240V/50Hz/1N	380-415V/50Hz/3N
Compressor type		Rotary				
Circulation pump		DC				
Number of fans		1	1	1	2	2
Sound power level of outdoor unit	dB(A)	42	43	44	47	47
Water connection	inch	1				
Max water temperature	°C	75				
Heat exchanger resistance	kPa	20	20	20	65	65
Circulation pump pressure	m	7,5	7,5	7,5	12,5	12,5
Refrigerant charge volume	kg	R290/0,50	R290/0,85	R290/0,85	R290/1,30	R290/1,30
Outdoor operation temperature range	°C	-25...+43				
Dimensions (W×D×H)	mm	1167×407×795	1287×458×928	1287×458×928	1250×540×1330	1250×540×1330