

Commercial Series R290 INVERTER HEAT PUMP

POWER WORLD



Commercial Series
R290 INVERTER HEAT PUMP

❄️ AMBIENT -25°C
TEMPERATURE

WiFi

Function: heating and cooling

The low temperature heat pump unit has a very wide application range and can operate stably at an outdoor temperature of -25°C to 43°C degrees Celsius.

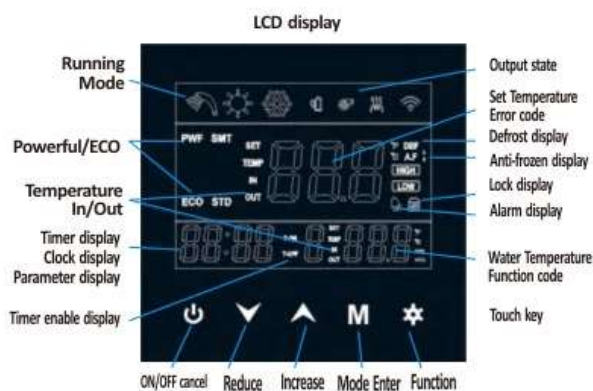
The low temperature heat pump adopts advanced energy-adjustable control technology to control the number of compressors in the system modules and unit modules, to output energy according to actual needs.



Intelligent defrosting technology to reduce heating attenuation: The unit can accurately judge the timing of defrosting according to the main parameters of heating operation and load changes, to achieve defrosting with frost and normal heating without frost. Forced manual defrost.

Multiple protection functions to ensure the safe operation of the system.



- Heating Function
- Cooling Function



R290 FULL-INVERTER HEAT PUMP for cooling, heating and DHW		
Model	PW150-DKZLRS-E	PW300-DKZLRS-E
Picture		
DHW Condition - Ambient Temp.(DB/WB): 20/15 °C, Water Temp.(In/Out): 15/55 °C		
Heating Capacity Range (kW)	16.5~60	33.0~120
Heating Power Input Range (kW)	3.16~14.97	6.32~29.94
COP Range	4.01~5.22	4.01~5.22
Heated Water Output (L/H)	1290	2580
Heating Condition - Ambient Temp.(DB/WB): 7/6 °C, Water Temp.(In/Out): 30/35 °C		
Heating Capacity Range (kW)	17.6~47	35.2~95.0
Heating Power Input Range (kW)	3.5~14.58	7.0~29.16
COP Range	3.22~5.02	3.25~5.02
Cooling Condition - Ambient Temp.(DB/WB): 35/24 °C, Water Temp.(In/Out): 12/7 °C		
Cooling Capacity Range (kW)	12.4~30.6	24.8~61.2
Cooling Power Input Range (kW)	4.02~11.24	8.04~22.48
EER Range	2.72~3.08	2.72~3.08
ErP Level (35°C)	A+++	A+++
ErP Level (55°C)	A++	A++
Power Supply	380V/3Ph/50-60Hz	
Max. Power Input (kW)	19,5	38,9
Max. Current (A)	36,6	73
Diameter of Pipe (mm)	DN40 (female thread)	DN65 (flange)
Water Flow (m3/h)	10,32	20,64
Water Pressure Drop (max) kPa	80	100
Sound Pressure Level (dB(A))	60	65
Net Weight (kg)	480	725
Body Size(W*D*H) (mm)	1500×750×1900	2080×1100×2150
IP Grade (Level of Protection)	IPX4	IPX4
Anti-electric Shock Rate	I	I
Refrigerant	R290	R290
Operation Ambient Temp. (°C)	-25~43 °C	
Operating Water Temperature (°C)	20~65 °C (DHW)	
Operating Water Temperature (°C)	20~70 °C (Heating)	
Operating Water Temperature (°C)	7~35 °C (Cooling)	