



OCM

ENERGY

sustainable engineering innovation

R290 SERIES COMMERCIAL

Full DC Inverter Heat Pump



Heating



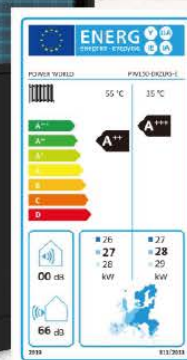
Cooling



Hot water

78°C

High temp
Water outlet





R290

Commercial Series

A cutting-edge solution designed for maximum efficiency and versatility in commercial applications.

Features

- R290 refrigerant, ODP=0, low GWP(GWP=3)
- **Dual DC Inverter Technology:** Delivers precise and efficient heating with a maximum output temperature of 78°C.
- **Top Efficiency Ratings:** Achieves ErP Level A+++ (at 35°C) with a high COP of 5.62.
- **Built-in Wi-Fi Module:** Provides seamless connectivity and control.
- **Multilingual Support:** Easy operation in various languages.
- **SG Smart Grid Functionality:** Enhances energy management and integration.
- **Automatic Temperature Adjustment:** Ensures optimal performance.
- **Night Operation Mode:** Convenient control during off-hours.
- **Cascade Control:** Supports up to 8 units for flexible scaling.
- **Timed High-Temperature Disinfection:** Ensure the safe and healthy use of hot water.
- **IoT Cloud Management Platform**
- **Customizable Features:** Options for built-in pumps and Refrigerant leak sensors, as well as external heat source and water tank control.

**Two-System Configuration,
Large Capacity, Superior Stability**

R-290

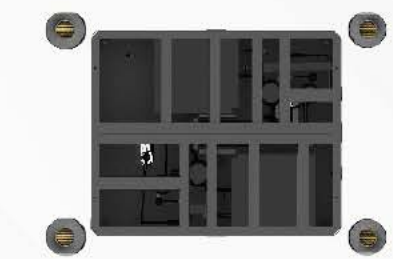
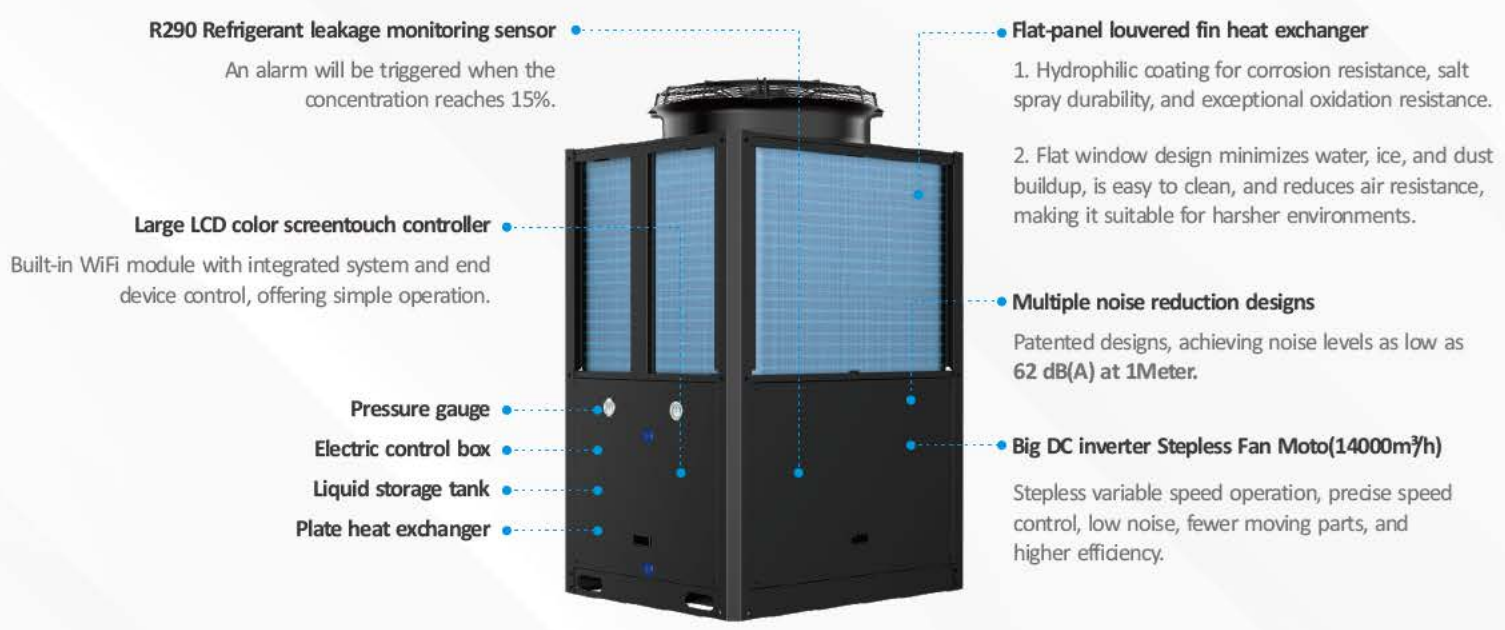
35°C/55°C

A+++

 **380V/3Ph/50-60Hz**



Premium Configuration, Reliable Quality



Chassis drainage hole design
Directly drains condensate water to prevent ice formation from water accumulation.



HIGHLY Full DC Inverter Compressor (Dual system)
Low vibration, quiet operation, and efficient performance in extreme cold weather down to -25°C.



DC INVERTER HEAT PUMP FOR COOLING HEATING AND DHW (R290)	
Model	PW150-DKZLRS-E
DHW Condition-Ambient Temp.(DB/WB):20/15°C,Water Temp.(In/Out):15/55°C	
Heating Capacity Range (kW)	238~68
Heating Power Input Range(kW)	4.23~15.46
COP Range	4.39~5.62
Heated water output (L/H)	1462
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C	
Heating Capacity Range (kW)	18.4~49.25
Heating Power Input Range(kW)	4.23~12.96
COP Range	3.8~4.3
Cooling Condition - Ambient Temp.(DB/WB):35/24°C,Water Temp.(In/Out):12/7°C	
Cooling Capacity Range (kW)	138~34.5
Cooling Power Input Range (kW)	5.2~16.2
EER Range	2.12~2.65
ErP Level (35°C)	A+++
ErP Level (55°C)	A++
Power supply	380V/3Ph/50-60Hz
Max. power input (kW)	20
Max. current (A)	32
Fuse or circuit breaker (A)	40
Wire diameter (mm ²)	10mm ²
Diameter of pipe (mm)	G1.5"
Sound power level (dB(A))	≤77
Sound pressure level (dB(A))	62
Water Flow(m ³ /h)	5.8
Water Pressure Drop (max) kPa	80
Net Weight (kg)	370
Body size(W*D*H) (mm)	1195×980×1900
Packing size(W*D*H)(Polywood)	1275*1060*2100
IP Grade (Level of protection)	IPX4
Anti-electric shock Rate	I
Refrigerant	R290
Compressor Brand	HIGHLY
Operation Ambient Temp. (°C)	-25~43°C
Water outlet temperature (°C)	20~78°C(DHW)
Water outlet temperature (°C)	20~78°C(Heating)
Water outlet temperature (°C)	7~35°C(Cooling)

Note:
the parameters of some products are changed in the process of continuous optimization. Please refer to the actual products.