

## Subtype DC Inverter Heat Pump- R290- PW150-DKZLRS-E

Certificate Holder	Power World Machinery Equipment Co. Ltd
Address	No.24, The Fourth Industrial Zone, HouTing Street
ZIP	
City	Shenzhen
Country	CN
Certification Body	BRE Global Limited
Subtype title	DC Inverter Heat Pump- R290- PW150-DKZLRS-E
Registration number	041-K032-17
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	4 kg
Certification Date	14.07.2025
Testing basis	HP KEYMARK certification scheme rules rev. no.15
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

## Model PW150-DKZLRS-E

Model name	PW150-DKZLRS-E
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

## General data

Power supply	3x400V 50Hz
Off-peak product	n/a

## Outdoor Air/Water

### EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

### EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	49.41 kW	46.10 kW
El input	12.80 kW	17.60 kW
COP	3.86	2.62

### EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	66 dB(A)	65 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	180 %	125 %
Prated	28.42 kW	27.22 kW
SCOP	4.57	3.21
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	25.15 kW	24.08 kW
COP Tj = -7°C	3.28	2.28
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	15.73 kW	14.18 kW
COP Tj = +2°C	4.62	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	9.38 kW	9.48 kW

COP Tj = +7°C	5.63	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	11.49 kW	11.23 kW
COP Tj = 12°C	7.44	6.02
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	25.15 kW	24.08 kW
COP Tj = Tbiv	3.28	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	25.81 kW	28.52 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.73	1.98
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	78 °C	78 °C
Poff	20 W	20 W
PTO	90 W	90 W
PSB	20 W	20 W
PCK	109 W	109 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.61 kW	0.00 kW
Annual energy consumption Qhe	12839 kWh	17515 kWh