

Subtype Intelligent Inverter Heat Pump-R290-PASRW150S-BP-PS-D-A

Certificate Holder	Guangdong PHNIX Eco-Energy Solution Ltd.
Address	No. 3 Tianyuan Road Dagang Town
ZIP	511470
City	Guangdong
Country	CN
Certification Body	BRE Global Limited
Subtype title	Intelligent Inverter Heat Pump-R290-PASRW150S-BP-PS-D-A
Registration number	041-K020-24
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	3 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 PASRW150S-BP-PS-D-A

Model name	PASRW150S-BP-PS-D-A
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	31.39 kW	30.13 kW
El input	7.03 kW	10.46 kW
COP	4.47	2.88

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	68 dB(A)	69 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	180 %	134 %
Prated	31.08 kW	30.01 kW
SCOP	4.58	3.42
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	27.49 kW	26.54 kW
COP Tj = -7°C	2.89	2.33
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	17.07 kW	16.18 kW
COP Tj = +2°C	4.50	3.31
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	11.87 kW	10.95 kW

COP Tj = +7°C	6.12	4.30
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	10.51 kW	11.14 kW
COP Tj = 12°C	6.91	5.84
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	27.49 kW	26.54 kW
COP Tj = Tbiv	2.89	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	31.39 kW	30.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	173 W	173 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	14015 kWh	18113 kWh