

Subtype Intelligent Inverter Heat Pump R290- 150S

Certificate Holder	Guangdong PHNIX Eco-Energy Solutions 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- 150S
Registration number	041-K020-18
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	3 kg
Certification Date	15.03.2024
Testing basis	Heat Pump Keymark Scheme Rules Rev 13

Model PASRW150S-BP-PS-D

Model name	PASRW150S-BP-PS-D
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	34.47 kW	25.76 kW
El input	8.64 kW	13.18 kW
COP	4.22	1.95

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	74 dB(A)	75 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	128 %
Prated	25.56 kW	25.53 kW
SCOP	4.52	3.26
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	22.61 kW	22.58 kW
COP Tj = -7°C	3.01	2.07
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	14.55 kW	13.83 kW
COP Tj = +2°C	4.47	3.21
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	15.36 kW	12.37 kW

COP Tj = +7°C	6.18	4.32
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	18.33 kW	13.96 kW
COP Tj = 12°C	8.25	6.15
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	22.61 kW	22.58 kW
COP Tj = Tbiv	3.01	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	24.74 kW	25.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.81
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	70 °C	70 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	120 W	120 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.82 kW	0.00 kW
Annual energy consumption Qhe	11670 kWh	16158 kWh