

## Subtype Intelligent Inverter Heat Pump 20-R32

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 20-R32
Registration number	041-K020-01
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.1 kg
Certification Date	01.11.2021
Testing basis	Heat Pump Keymark Scheme Rules Rev 09

## Model PASRW020-BP-PS-B

Model name	PASRW020-BP-PS-B
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	1x230V 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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	58 dB(A)

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	187 %	130 %
Prated	5.29 kW	5.00 kW
SCOP	4.75	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.68 kW	5.00 kW
COP Tj = -7°C	3.28	2.20
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.86 kW	3.09 kW
COP Tj = +2°C	4.52	3.26
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	2.45 kW	2.73 kW
COP Tj = +7°C	5.87	4.03
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.85 kW	2.70 kW
COP Tj = 12°C	8.72	6.34
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	4.68 kW	5.00 kW
COP Tj = Tbiv	3.28	2.20

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.92 kW	4.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.79	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	53 °C	53 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.38 kW	1.32 kW
Annual energy consumption Qhe	2302 kWh	3503 kWh