

Subtype Intelligent Inverter Heat Pump 60-R32

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 60-R32
Registration number	041-K020-03
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2 kg
Certification Date	01.11.2021
Testing basis	Heat Pump Keymark Scheme Rules Rev 09
Testing laboratory	TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN

Model PASRW060-BP-PS-B

Model name	PASRW060-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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	16.95 kW	15.14 kW
El input	3.45 kW	5.16 kW
COP	4.91	2.94

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	181 %	130 %
Prated	12.51 kW	14.58 kW
SCOP	4.60	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.06 kW	12.90 kW
COP Tj = -7°C	3.27	2.10
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	6.86 kW	7.91 kW
COP Tj = +2°C	4.46	3.33
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	8.10 kW	7.23 kW

COP Tj = +7°C	5.57	4.10
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	8.65 kW	7.39 kW
COP Tj = 12°C	6.73	5.71
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	11.06 kW	12.90 kW
COP Tj = Tbiv	3.27	2.10
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.41 kW	10.66 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.07	1.66
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	57 °C	57 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	60 W	60 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.10 kW	3.92 kW
Annual energy consumption Qhe	5614 kWh	9038 kWh

Model PASRW060S-BP-PS-B

Model name	PASRW060S-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	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	16.61 kW	15.15 kW
El input	3.39 kW	4.83 kW
COP	4.90	3.14

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	180 %	131 %
Prated	12.74 kW	14.44 kW
SCOP	4.57	3.34
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.27 kW	12.77 kW
COP Tj = -7°C	3.32	2.26
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	6.88 kW	7.82 kW
COP Tj = +2°C	4.33	3.17
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	8.12 kW	6.99 kW

COP Tj = +7°C	5.63	4.20
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	8.57 kW	5.89 kW
COP Tj = 12°C	6.94	5.63
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	11.27 kW	12.77 kW
COP Tj = Tbiv	3.32	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.79 kW	14.54 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.02	1.97
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	56 °C	56 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	23 W	23 W
PCK	58 W	58 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5756 kWh	8931 kWh