

This information was generated by the HP KEYMARK database on 11 May 2022

[Login](#)

Summary of	Intelligent Inverter Heat Pump 60	Reg. No.	041-K020-03
Certificate Holder			
Name	Guangdong PHNIX Eco-Energy Solutions Ltd.		
Address	No. 3 Tianyuan Road Dagang Town	Zip	511470
City	Guangdong	Country	China
Certification Body	BRE Global Limited		
Subtype title	Intelligent Inverter Heat Pump 60		
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		

Model: PASRW060-BP-PS-B

Configure model	
Model name	PASRW060-BP-PS-B
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	17.02 kW	15.18 kW
El input	3.57 kW	5.23 kW
COP	4.77	2.90

Average Climate

This information was generated by the HP KEYMARK database on 11 May 2022

EN 12102-1

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

EN 14825

	Low temperature	Medium temperature
η_s	188 %	135 %
Prated	12.54 kW	14.61 kW
SCOP	4.78	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.09 kW	12.92 kW
COP Tj = -7°C	3.28	2.12
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.88 kW	7.94 kW
COP Tj = +2°C	4.49	3.35
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	8.30 kW	7.47 kW
COP Tj = +7°C	6.18	4.55
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	9.26 kW	7.94 kW

This information was generated by the HP KEYMARK database on 11 May 2022

COP Tj = 12°C	8.26	6.73
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	11.09 kW	12.92 kW
COP Tj = Tbiv	3.28	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.54 kW	10.71 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	1.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
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	0.00 kW	3.90 kW
Annual energy consumption Qhe	5419 kWh	8738 kWh

Model: PASRW060S-BP-PS-B

Configure model	
Model name	PASRW060S-BP-PS-B
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.60 kW	15.14 kW
El input	3.32 kW	4.88 kW
COP	5.00	3.10

Average Climate

This information was generated by the HP KEYMARK database on 11 May 2022

EN 12102-1

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

EN 14825

	Low temperature	Medium temperature
η_s	185 %	135 %
Prated	12.89 kW	14.47 kW
SCOP	4.71	3.46
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.40 kW	12.80 kW
COP Tj = -7°C	3.36	2.27
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.89 kW	7.97 kW
COP Tj = +2°C	4.41	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	8.27 kW	7.14 kW
COP Tj = +7°C	6.14	4.64
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	9.10 kW	6.27 kW

This information was generated by the HP KEYMARK database on 11 May 2022

COP Tj = 12°C	8.04	6.69
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	11.40 kW	12.80 kW
COP Tj = Tbiv	3.36	2.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.80 kW	14.47 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.05	1.98
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
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	0.09 kW	0.00 kW
Annual energy consumption Qhe	5654 kWh	8639 kWh