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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 14511-2		
	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

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

Average Climate

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

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 14511-2		
	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

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

Average Climate

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

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