Login

Summary of	Intelligent Inverter Heat Pump 60-R290	Reg. No.	041-K020-06
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-R290		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R290		
Mass of Refrigerant	1.3 kg		
Certification Date	16.06.2022		
Testing basis	Heat Pump Keymark Scheme Rules Rev 09		

Model: PASRW060-BP-PS-D

Configure model	
Model name	PASRW060-BP-PS-D
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	17.05 kW	17.44 kW
El input	3.70 kW	5.57 kW
COP	4.61	3.13

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	64 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	190 %	151 %
Prated	12.62 kW	11.96 kW
SCOP	4.84	3.84
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.16 kW	10.58 kW
COP Tj = -7°C	3.36	2.33
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.64 kW	6.44 kW
COP Tj = +2°C	4.78	3.67
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	7.73 kW	7.58 kW
COP Tj = +7°C	6.20	5.16
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	8.18 kW	8.05 kW

COP Tj = 12°C	8.15	7.35
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	11.16 kW	10.58 kW
COP Tj = Tbiv	3.36	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.57 kW	12.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.89	1.98
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	58 W	58 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	0.00 kW
Annual energy consumption Qhe	5391 kWh	6432 kWh

Model: PASRW060S-BP-PS-D

Configure model	
Model name	PASRW060S-BP-PS-D
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	15.71 kW	17.04 kW
El input	3.91 kW	4.88 kW
COP	4.02	3.49

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	62 dB(A)	61 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	202 %	150 %
Prated	12.61 kW	12.38 kW
SCOP	5.12	3.83
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.15 kW	10.95 kW
COP Tj = -7°C	3.27	2.36
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.89 kW	7.04 kW
COP Tj = +2°C	4.94	3.61
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	7.43 kW	7.51 kW
COP Tj = +7°C	6.63	5.24
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	8.26 kW	7.86 kW

COP Tj = 12°C	8.71	7.31
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	11.15 kW	10.95 kW
COP Tj = Tbiv	3.27	2.36
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.84 kW	13.08 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.92	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	63 °C	63 °C
Poff	11 W	11 W
PTO	11 W	11 W
PSB	11 W	11 W
PCK	17 W	17 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5086 kWh	6674 kWh