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Summary of	Intelligent Inverter Heat Pump 20	Reg. No.	041-K020-01
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 20		
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

Configure model	
Model name	PASRW020-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	6.00 kW	5.12 kW
El input	1.23 kW	1.87 kW
COP	4.88	2.74

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

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EN 12102-1

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

EN 14825

	Low temperature	Medium temperature
η_s	194 %	135 %
Prated	5.41 kW	5.68 kW
SCOP	4.93	3.46
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.78 kW	5.02 kW
COP Tj = -7°C	3.36	2.22
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.91 kW	3.13 kW
COP Tj = +2°C	4.58	3.27
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.50 kW	2.82 kW
COP Tj = +7°C	6.43	4.48
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	3.04 kW	2.90 kW

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COP Tj = 12°C	9.98	7.45
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	4.78 kW	5.02 kW
COP Tj = Tbiv	3.36	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.97 kW	4.38 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.81	1.73
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
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	0.44 kW	1.30 kW
Annual energy consumption Qhe	2263 kWh	3393 kWh