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Summary of	Intelligent Inverter Heat Pump 20-R290	Reg. No.	041-K020-04
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-R290		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R290		
Mass of Refrigerant	0.5 kg		
Certification Date	16.06.2022		
Testing basis	Heat Pump Keymark Scheme Rules Rev 09		

Model: PASRW020-BP-PS-D

Configure model	
Model name	PASRW020-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	5.87 kW	6.30 kW
El input	1.26 kW	2.07 kW
COP	4.64	3.04

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	57 dB(A)	60 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	205 %	150 %
Prated	4.96 kW	4.77 kW
SCOP	5.20	3.83
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.38 kW	4.22 kW
COP Tj = -7°C	3.26	2.33
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.90 kW	2.73 kW
COP Tj = +2°C	4.98	3.68
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.10 kW	2.62 kW
COP Tj = +7°C	6.81	5.07
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.50 kW	3.02 kW

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COP Tj = 12°C	9.66	7.35
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	4.38 kW	4.22 kW
COP Tj = Tbiv	3.26	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.09 kW	4.73 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.87	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	67 °C	67 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	42 W	42 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.04 kW
Annual energy consumption Qhe	1970 kWh	2575 kWh