

## Subtype Intelligent Inverter Heat Pump R32- P6

Certificate Holder	Guangdong PHNIX Eco-Energy Solutions Ltd.
Address	No. 3 Tianyuan Road Dagang Town
ZIP	511470
City	Guangdong
Country	CN
Certification Body	BRE Global Limited
Subtype title	Intelligent Inverter Heat Pump R32- P6
Registration number	041-K020-07
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.3 kg
Certification Date	05.09.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 12

Model P6		
Model name	P6	
Application	Heating (medium temp)	
Units	Outdoor	
Climate zone (for heating)	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	
Any additional heat sources	n/a	
General data		
Power supply	1x230V 50Hz	
Off-peak product	n/a	
Outdoor Air/Water		
EN 14511-4   Heating		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	
EN 12102-1   Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	64 dB(A)
EN 14825   Average Climate		
	Low temperature	Medium temperature
ηs	176 %	122 %
Prated	3.97 kW	4.21 kW
SCOP	4.47	3.12
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.51 kW	3.73 kW
COP Tj = -7°C	3.11	2.11
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.18 kW	2.31 kW
COP Tj = +2°C	4.19	3.00
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	2.49 kW	2.14 kW
COP Tj = +7°C	5.71	3.79
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	2.77 kW	2.66 kW
COP Tj = 12°C	7.64	5.62
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	3.51 kW	3.73 kW
COP Tj = Tbiv	3.11	2.11

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.98 kW	4.25 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	1.88
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	52 °C	52 °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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1837 kWh	2790 kWh