Subtype Air to Water Heat Pump 200

Certificate Holder	Guangdong New Energy Technology Development Co., Ltd.
Address	NO.125, Chuangyou Road
ZIP	511340
City	Guangdong
Country	CN
Certification Body	BRE Global Limited
Subtype title	Air to Water Heat Pump 200
Registration number	041-K054-03
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	2.35 kg
Certification Date	16.05.2023
Testing basis	Heat Pump Keymark Scheme Rules Rev 11

Model NE-F200HCR4TINVM

Model name	NE-F200HCR4TINVM
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	3x400V 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	70 dB(A)	71 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	177 %	130 %
Prated	12.87 kW	11.83 kW
SCOP	4.50	3.32
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.38 kW	10.47 kW
COP Tj = -7°C	3.41	2.25
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.18 kW	6.42 kW
COP Tj = +2°C	4.34	3.29
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	7.29 kW	6.95 kW
COP Tj = +7°C	5.73	4.18
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	7.63 kW	7.97 kW
COP Tj = 12°C	7.83	6.89
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.38 kW	10.47 kW
COP Tj = Tbiv	3.41	2.25

This information was generated by the HP KEYMARK database on 13.11.2023

**CEN heat pump
KEYMARK**

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.79 kW	11.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	1.85
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	5 W	5 W
PTO	16 W	16 W
PSB	5 W	5 W
PCK	24 W	24 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.08 kW	0.06 kW
Annual energy consumption Qhe	5908 kWh	7372 kWh

This information was generated by the HP KEYMARK database on 13.11.2023