

Subtype Air to water heat pump- R290- 130- PA

Certificate Holder	Guangdong New Energy Technology 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- R290- 130- PA
Registration number	041-K054-15
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.05 kg
Certification Date	29.11.2024
Testing basis	HP KEYMARK certification scheme rules rev. no.14

**Model NE-F130HCR5INVMV2-PA**

Model name	NE-F130HCR5INVMV2-PA
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 14511-2 | Heating**

	Low temperature	Medium temperature
Heat output	7.91 kW	7.86 kW
El input	1.57 kW	2.56 kW
COP	5.03	3.07

**EN 12102-1 | Average Climate**

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	52 dB(A)

**EN 14825 | Average Climate**

	Low temperature	Medium temperature
$\eta_s$	203 %	149 %
Prated	9.95 kW	9.69 kW
SCOP	5.14	3.79
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.81 kW	8.58 kW
COP Tj = -7°C	3.43	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.59 kW	5.35 kW
COP Tj = +2°C	5.15	3.79
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.40 kW	3.95 kW

COP Tj = +7°C	6.79	4.94
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.41 kW	4.78 kW
COP Tj = 12°C	8.82	6.82
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.81 kW	8.58 kW
COP Tj = Tbiv	3.43	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.74 kW	10.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.70	2.05
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	12 W	12 W
PSB	15 W	15 W
PCK	42 W	42 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.21 kW	0.00 kW
Annual energy consumption Qhe	4001 kWh	5289 kWh