

## Subtype Air to water heat pump- R290- 130T- 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- 130T- PA
Registration number	041-K054-16
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-F130HCR5TINVMV2-PA

Model name	NE-F130HCR5TINVMV2-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	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 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	7.76 kW	7.94 kW
El input	1.56 kW	2.54 kW
COP	4.98	3.13

### EN 12102-1 | Average Climate

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

### EN 14825 | Average Climate

	Low temperature	Medium temperature
$\eta_s$	199 %	149 %
Prated	9.96 kW	9.87 kW
SCOP	5.05	3.80
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.81 kW	8.73 kW
COP Tj = -7°C	3.37	2.41
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.45 kW	5.35 kW
COP Tj = +2°C	4.97	3.72
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.40 kW	4.06 kW

COP Tj = +7°C	6.87	5.01
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.32 kW	4.88 kW
COP Tj = 12°C	8.70	6.89
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.81 kW	8.73 kW
COP Tj = Tbiv	3.37	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.73 kW	10.01 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.84	2.12
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	21 W	21 W
PSB	15 W	15 W
PCK	42 W	42 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.23 kW	0.00 kW
Annual energy consumption Qhe	4073 kWh	5369 kWh