

Subtype Air to water heat pump- R290- 60- 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- 60- PA
Registration number	041-K054-13
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.75 kg
Certification Date	29.11.2024
Testing basis	HP KEYMARK certification scheme rules rev. no.14

Model NE-F60HCR5INVMV2-PA

Model name	NE-F60HCR5INVMV2-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	4.17 kW	4.08 kW
El input	0.83 kW	1.27 kW
COP	5.06	3.20

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	47 dB(A)	46 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	200 %	144 %
Prated	4.84 kW	4.91 kW
SCOP	5.08	3.66
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.28 kW	4.35 kW
COP Tj = -7°C	3.37	2.46
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.65 kW	2.68 kW
COP Tj = +2°C	4.96	3.54
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.94 kW	1.70 kW

COP Tj = +7°C	6.65	4.70
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.20 kW	2.02 kW
COP Tj = 12°C	8.67	6.24
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.28 kW	4.35 kW
COP Tj = Tbiv	3.37	2.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.81 kW	4.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.01	2.27
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	10 W	10 W
PTO	15 W	15 W
PSB	10 W	10 W
PCK	42 W	42 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.03 kW	0.00 kW
Annual energy consumption Qhe	1966 kWh	2770 kWh