Subtype DC Inverter Heat Pump- R290- 030

Certificate Holder	Foshan Guangteng New Energy Co., Ltd.
Address	Building 2, Jilong Zhizao Industrial Park, No.52, Xilian Road Longyan Village, Leliu Street Shunde District, Foshan City
ZIP	
City	Guangdong
Country	CN
Certification Body	BRE Global Limited
Subtype title	DC Inverter Heat Pump- R290- 030
Registration number	041-K071-02
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.1 kg
Certification Date	26.10.2023
Testing basis	Heat Pump KEYMARK certification Scheme rules v12

Model GT-SKR030KBDC-M290	
Model name	GT-SKR030KBDC-M290
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	8.28 kW	7.20 kW
El input	1.98 kW	2.73 kW
COP	4.19	2.64

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	67 dB(A)	61 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	176 %	140 %
Prated	6.41 kW	6.91 kW
SCOP	4.48	3.57
Tbiv	-7 °C	-7 °C
TOL	-25 °C	-25 °C
Pdh Tj = -7°C	5.67 kW	6.11 kW
COP Tj = -7°C	2.76	1.97
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.46 kW	3.77 kW
COP Tj = +2°C	4.67	3.69
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	4.46 kW	4.39 kW

COP Tj = +7°C	6.30	5.12
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	4.84 kW	4.97 kW
COP Tj = 12°C	7.79	6.59
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	5.67 kW	6.11 kW
COP Tj = Tbiv	2.76	1.97
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.37 kW	6.19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.13	2.12
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	8 W	8 W
PTO	23 W	23 W
PSB	8 W	8 W
PCK	40 W	40 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.04 kW	0.72 kW
Annual energy consumption Qhe	2954 kWh	3997 kWh

Model GT-SKR030KBDC-S290	
Model name	GT-SKR030KBDC-S290
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

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Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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