

Subtype DC Inverter Heat Pump- R290- 030

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|---------------------|--|
| Certificate Holder | Foshan Guangteng New Energy Co., Ltd. |
| Address | Section 2, Yongfeng Industrial Zone, Lunjiao, Shunde, Foshan |
| 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

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|-------------------------------------|-----------------------|
| 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 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 |
|-----------------|-----------------|--------------------|
| η_s | 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

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|-------------------------------------|-----------------------|
| 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

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|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

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| Shutting off the heat transfer medium flow | passed |
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| Defrost test | passed |
| Starting and operating test | passed |

EN 12102-1 | Average Climate

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|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 67 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
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| 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 |
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| Supplementary Heater: PSUP | 1.04 kW | 0.72 kW |
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