

Subtype DC Inverter Heat Pump 100

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|---------------------|---|
| Certificate Holder | GZ Dotels Electric Appliances Co., Ltd. |
| Address | No.B23, Huachuang Animation Industrial Park |
| ZIP | |
| City | Guangzhou |
| Country | CN |
| Certification Body | BRE Global Limited |
| Subtype title | DC Inverter Heat Pump 100 |
| Registration number | 041-K030-07 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.5 kg |
| Certification Date | 10.01.2023 |
| Testing basis | Heat Pump Keymark Scheme Rules Rev 11 |

Model KS-100W/EN8BP

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|-------------------------------------|-----------------------|
| Model name | KS-100W/EN8BP |
| 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 |
| 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 | 59 dB(A) | 60 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 181 % | 132 % |
| Prated | 8.82 kW | 7.39 kW |
| SCOP | 4.60 | 3.37 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.80 kW | 6.54 kW |
| COP Tj = -7°C | 2.93 | 2.08 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 5.19 kW | 4.41 kW |
| COP Tj = +2°C | 4.59 | 3.36 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 3.38 kW | 3.84 kW |
| COP Tj = +7°C | 5.66 | 4.14 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 3.40 kW | 3.57 kW |
| COP Tj = 12°C | 7.38 | 6.15 |
| Cdh Tj = +12 °C | 0.990 | 0.990 |
| Pdh Tj = Tbiv | 7.80 kW | 6.54 kW |
| COP Tj = Tbiv | 2.93 | 2.08 |

| | | |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.65 kW | 6.94 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.80 | 1.68 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 65 °C | 65 °C |
| Poff | 7 W | 7 W |
| PTO | 19 W | 19 W |
| PSB | 7 W | 7 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.17 kW | 0.46 kW |
| Annual energy consumption Qhe | 3963 kWh | 4533 kWh |