

Subtype Monobloc Heat pump 4KW

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|---------------------|---|
| Certificate Holder | Guangdong Carrier Heating, Ventilation & Air Conditioning Company Limited |
| Address | No.28-5, Eastern Industrial Park, Lishui Town, Nanhai District |
| ZIP | 528244 Foshan |
| City | Guangdong |
| Country | CN |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title | Monobloc Heat pump 4KW |
| Registration number | 011-1W0690 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1 kg |
| Certification Date | 09.10.2023 |
| Testing basis | HP KEYMARK certification scheme rules V12 |

Model CE-HRDL-4/BPDR4Y-H9-D01

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|-------------------------------------|-------------------------|
| Model name | CE-HRDL-4/BPDR4Y-H9-D01 |
| 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

Shutting off the heat transfer medium flow passed

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 4.00 kW | 4.00 kW |
| El input | 0.83 kW | 1.54 kW |
| COP | 4.80 | 2.59 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 186 % | 126 % |
| Prated | 4.00 kW | 4.01 kW |
| SCOP | 4.73 | 3.33 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 3.55 kW | 3.55 kW |
| COP Tj = -7°C | 3.05 | 1.98 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 2.21 kW | 2.35 kW |
| COP Tj = +2°C | 4.58 | 3.10 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.03 kW | 2.61 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 6.48 | 4.79 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 1.99 kW | 2.51 kW |
| COP Tj = 12°C | 9.42 | 7.08 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 3.55 kW | 3.55 kW |
| COP Tj = Tbiv | 3.05 | 1.98 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.35 kW | 3.30 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.80 | 1.61 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 62 °C | 62 °C |
| Poff | 14 W | 14 W |
| PTO | 24 W | 24 W |
| PSB | 14 W | 14 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.65 kW | 0.71 kW |
| Annual energy consumption Qhe | 1725 kWh | 2539 kWh |