

Subtype Inverter Air Source Heat Pump- R32- 07

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|---------------------|---|
| Certificate Holder | Guangzhou Dentwiton Manufacture Co., Ltd. |
| Address | No.3, No. 9, Huasheng Beiroad, Xicheng industry zone, Renhe town, Baiyun district, |
| ZIP | |
| City | Guangzhou |
| Country | CN |
| Certification Body | BRE Global Limited |
| Subtype title | Inverter Air Source Heat Pump- R32- 07 |
| Registration number | 041-K077-01 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.3 kg |
| Certification Date | 24.11.2023 |
| Testing basis | Heat Pump KEYMARK certification Scheme rules v12 |
| Testing laboratory | TÜV SÜD Certification and Testing Co., Ltd. Guangzhou Branch, CN |

Model RS07V/L

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|-------------------------------------|-----------------------|
| Model name | RS07V/L |
| 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 | 3x400V 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 | 6.66 kW | 7.18 kW |
| El input | 1.42 kW | 2.42 kW |
| COP | 4.68 | 2.96 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 59 dB(A) | 59 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 187 % | 136 % |
| Prated | 6.76 kW | 6.84 kW |
| SCOP | 4.76 | 3.46 |
| Tbiv | -7 °C | -7 °C |
| TOL | -25 °C | -25 °C |
| Pdh Tj = -7°C | 5.98 kW | 6.05 kW |
| COP Tj = -7°C | 2.76 | 2.04 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.65 kW | 3.85 kW |
| COP Tj = +2°C | 4.72 | 3.46 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.60 kW | 2.39 kW |

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|---|-------------|-------------|
| COP Tj = +7°C | 6.23 | 4.32 |
| Cdh Tj = +7 °C | 0.990 | 0.900 |
| Pdh Tj = 12°C | 3.01 kW | 2.94 kW |
| COP Tj = 12°C | 8.33 | 6.24 |
| Cdh Tj = +12 °C | 0.990 | 0.990 |
| Pdh Tj = Tbiv | 5.98 kW | 6.05 kW |
| COP Tj = Tbiv | 2.76 | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.04 kW | 6.12 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.67 | 1.89 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 55 °C | 55 °C |
| Poff | 14 W | 14 W |
| PTO | 15 W | 15 W |
| PSB | 14 W | 14 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.72 kW | 0.72 kW |
| Annual energy consumption Qhe | 2934 kWh | 4082 kWh |