

Subtype ECO-ZR02FC

| | |
|---------------------|---|
| Certificate Holder | Ecogenica Ltd |
| Address | Level 1 Brockbourne House 77 Mount Ephraim; Tunbridge Wells |
| ZIP | TN4 8BS |
| City | Kent |
| Country | GB |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title | ECO-ZR02FC |
| Registration number | 011-1W0863 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R290 |
| Mass of Refrigerant | 0.63 kg |
| Certification Date | 08.08.2024 |
| Testing basis | HP KEYMARK certification scheme rules V14 |

Model ECO-ZR02FC

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|-------------------------------------|-----------------------|
| Model name | ECO-ZR02FC |
| 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 | 7.00 kW | 6.26 kW |
| El input | 1.53 kW | 2.10 kW |
| COP | 4.58 | 2.98 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 196 % | 148 % |
| Prated | 5.36 kW | 5.10 kW |
| SCOP | 4.98 | 3.78 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.74 kW | 4.60 kW |
| COP Tj = -7°C | 3.43 | 2.51 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.29 kW | 2.79 kW |
| COP Tj = +2°C | 4.83 | 3.56 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 1.95 kW | 1.82 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 6.44 | 5.05 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 1.76 kW | 1.69 kW |
| COP Tj = 12°C | 9.78 | 7.43 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 4.74 kW | 4.60 kW |
| COP Tj = Tbiv | 3.43 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.39 kW | 4.32 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.06 | 2.23 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 11 W | 11 W |
| PTO | 27 W | 27 W |
| PSB | 11 W | 11 W |
| PCK | 93 W | 93 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.97 kW | 0.78 kW |
| Annual energy consumption Qhe | 2222 kWh | 2843 kWh |