

Subtype CTC CombiAir 10MR

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|---------------------|---|
| Certificate Holder | Enertech CTC AB |
| Address | Box 309, Näsvägen |
| ZIP | SE-341 26 |
| City | Ljungby |
| Country | SE |
| Certification Body | RISE CERT |
| Subtype title | CTC CombiAir 10MR |
| Registration number | 012-C700183 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.84 kg |
| Certification Date | 30.05.2023 |
| Testing basis | EN 14511:2018, EN 14825:2018, EN 12102:2022 |

Model CTC CombiAir 10MR

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|-------------------------------------|-----------------------|
| Model name | CTC CombiAir 10MR |
| 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 | dB(A) | 53 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 181 % | 132 % |
| Prated | 6.30 kW | 6.45 kW |
| SCOP | 4.60 | 3.36 |
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.60 kW | 5.77 kW |
| COP Tj = -7°C | 3.01 | 1.98 |
| Cdh Tj = -7 °C | 0.990 | 1.000 |
| Pdh Tj = +2°C | 3.24 kW | 3.45 kW |
| COP Tj = +2°C | 4.20 | 3.17 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 2.26 kW | 2.26 kW |
| COP Tj = +7°C | 6.48 | 4.98 |
| Cdh Tj = +7 °C | 0.970 | 0.980 |
| Pdh Tj = 12°C | 2.57 kW | 2.24 kW |
| COP Tj = 12°C | 8.05 | 5.50 |
| Cdh Tj = +12 °C | 0.960 | 0.980 |
| Pdh Tj = Tbiv | 6.30 kW | 5.77 kW |
| COP Tj = Tbiv | 2.61 | 1.98 |

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|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.30 kW | 5.79 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.61 | 1.69 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 60 °C | 60 °C |
| Poff | 3 W | 3 W |
| PTO | 12 W | 8 W |
| PSB | 8 W | 8 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.70 kW |
| Annual energy consumption Qhe | 2834 kWh | 3961 kWh |