

This information was generated by the HP KEYMARK database on 22 Jun 2022

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| | | | |
|---------------------|-------------------|----------|-------------|
| Summary of | CTC CombiAir 8M | Reg. No. | 012-C700076 |
| Certificate Holder | | | |
| Name | Enertech CTC AB | | |
| Address | Box 309, Näsvägen | Zip | SE-381 26 |
| City | Ljungby | Country | Sweden |
| Certification Body | RISE CERT | | |
| Subtype title | CTC CombiAir 8M | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 2.6 kg | | |
| Certification Date | 30.10.2020 | | |

Model: CTC CombiAir 8M

| Configure model | |
|-------------------------------------|-----------------------|
| Model name | CTC CombiAir 8M |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 3.86 kW | 3.50 kW |
| El input | 0.83 kW | 1.17 kW |
| COP | 4.65 | 2.99 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

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EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_s | 172 % | 127 % |
| Prated | 8.20 kW | 7.00 kW |
| SCOP | 4.37 | 3.25 |
| Tbiv | -8 °C | -9 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.40 kW | 6.30 kW |
| COP Tj = -7°C | 2.92 | 1.94 |
| Pdh Tj = +2°C | 4.50 kW | 3.90 kW |
| COP Tj = +2°C | 4.30 | 3.11 |
| Pdh Tj = +7°C | 2.90 kW | 2.60 kW |
| COP Tj = +7°C | 5.41 | 4.42 |
| Pdh Tj = 12°C | 3.50 kW | 3.70 kW |
| COP Tj = 12°C | 6.51 | 5.93 |
| Pdh Tj = Tbiv | 7.40 kW | 6.60 kW |
| COP Tj = Tbiv | 2.86 | 1.83 |

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| | | |
|---|-------------|-------------|
| $P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$ | 6.80 kW | 5.90 kW |
| $COP T_j = TOL$ or $COP T_j = T_{designh}$ if $TOL < T_{designh}$ | 2.67 | 1.86 |
| $C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$ | 0.96 | 0.97 |
| WTOL | 58 °C | 58 °C |
| Poff | 2 W | 2 W |
| PTO | 15 W | 10 W |
| PSB | 15 W | 15 W |
| PCK | 20 W | 20 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.40 kW | 1.10 kW |
| Annual energy consumption Q_{he} | 3882 kWh | 4447 kWh |