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Login

| Summary of | CTC EcoAir 408 | Reg. No. | 012-057 | |
|---------------------|-------------------|-----------------|-----------|--|
| Certificate Holder | | | | |
| Name | Enertech CTC AB | Enertech CTC AB | | |
| Address | Box 309, Näsvägen | Zip | SE-381 26 | |
| City | Ljungby | Country | Sweden | |
| Certification Body | RISE CERT | RISE CERT | | |
| Subtype title | CTC EcoAir 408 | CTC EcoAir 408 | | |
| Heat Pump Type | Outdoor Air/Water | | | |
| Refrigerant | R407c | R407c | | |
| Mass of Refrigerant | 2.2 kg | | | |

Model: CTC EcoAir 408 1x230V

| Configure model | | |
|-------------------------------------|-----------------------|--|
| Model name | CTC EcoAir 408 1x230V | |
| Application | Heating (medium temp) | |
| Units | Outdoor | |
| Climate Zone | Colder Climate | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

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

Heating

| EN 14511-4 | | |
|--|--------|--|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed | |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed | |
| Shutting off the heat transfer medium flow | passed | |
| Complete power supply failure | passed | |
| Defrost test | passed | |

| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 7.83 kW | 7.08 kW | |
| El input | 1.62 kW | 2.28 kW | |
| СОР | 4.83 | 3.11 | |

Colder Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

| EN 14825 | | |
|-------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 133 % | 106 % |
| Prated | 4.82 kW | 5.66 kW |
| SCOP | 3.40 | 2.70 |
| Tbiv | -14 °C | -11 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 4.80 kW | 4.60 kW |
| COP Tj = -7°C | 3.22 | 2.49 |
| Pdh Tj = +2°C | 6.30 kW | 5.70 kW |
| COP Tj = +2°C | 4.19 | 3.25 |
| Pdh Tj = $+7^{\circ}$ C | 8.00 kW | 7.70 kW |
| COP Tj = +7°C | 5.42 | 4.40 |
| Pdh Tj = 12°C | 9.80 kW | 9.60 kW |
| COP Tj = 12°C | 6.55 | 5.50 |
| Pdh Tj = Tbiv | 3.70 kW | 3.40 kW |
| COP Tj = Tbiv | 2.55 | 1.85 |
| | | |





| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.70 kW | 2.30 kW |
|---|-------------|-------------|
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.90 | 1.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.97 | 0.99 |
| WTOL | 65 °C | 65 °C |
| Poff | 18 W | 18 W |
| РТО | 22 W | 7 W |
| PSB | 18 W | 18 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.10 kW | 3.30 kW |
| Annual energy consumption Qhe | 3494 kWh | 5143 kWh |

Average Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) | |

| EN 14825 | | |
|------------------------------------|----------|---------|
| Low temperature Medium temperature | | |
| η_{S} | 154 % | 118 % |
| Prated | 6.26 kW | 6.37 kW |
| | <u> </u> | |



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| | | ARK database on 7 jul 2022 |
|---|---------|----------------------------|
| SCOP | 3.90 | 3.00 |
| Tbiv | -5 °C | -4 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.70 kW | 4.50 kW |
| COP Tj = -7°C | 3.07 | 2.21 |
| Pdh Tj = +2°C | 6.20 kW | 5.50 kW |
| COP Tj = +2°C | 4.03 | 2.98 |
| Pdh Tj = $+7$ °C | 8.00 kW | 7.60 kW |
| $COP Tj = +7^{\circ}C$ | 5.28 | 4.09 |
| Pdh Tj = 12°C | 9.80 kW | 9.00 kW |
| COP Tj = 12°C | 6.58 | 5.31 |
| Pdh Tj = Tbiv | 5.10 kW | 4.90 kW |
| COP Tj = Tbiv | 3.30 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.30 kW | 4.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.80 | 1.91 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.97 | 0.99 |
| WTOL | 65 °C | 65 °C |
| Poff | 18 W | 18 W |
| РТО | 22 W | 7 W |
| PSB | 18 W | 18 W |
| PCK | 0 W | 0 W |
| | | |



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| Supplementary Heater: Type of energy input | Electricity | Electricity |
|--|-------------|-------------|
| Supplementary Heater: PSUP | 1.90 kW | 2.40 kW |
| Annual energy consumption Qhe | 3297 kWh | 4343 kWh |



Model: CTC EcoAir 408 3x400V

| Configure model | | |
|-------------------------------------|-----------------------|--|
| Model name | CTC EcoAir 408 3x400V | |
| Application | Heating (medium temp) | |
| Units | Outdoor | |
| Climate Zone | Colder Climate | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------------------|--|--|
| Power supply 3x400V 50Hz | | |

Heating

| EN 14511-4 | | |
|--|--------|--|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed | |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed | |
| Shutting off the heat transfer medium flow | passed | |
| Complete power supply failure | passed | |
| Defrost test | passed | |

| EN 14511-2 | | |
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| Heat output | 7.83 kW | 7.08 kW |
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Colder Climate



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| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

| EN 14825 | | |
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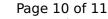


| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.70 kW | 2.30 kW |
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| РСК | o w | o w |



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