

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

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| | | | |
|---------------------|------------------------|----------|-------------|
| Summary of | CTC GS 608 | Reg. No. | 012-C700090 |
| 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 GS 608 | | |
| Heat Pump Type | Brine/Water | | |
| Refrigerant | R407c | | |
| Mass of Refrigerant | 1.9 kg | | |
| Certification Date | 30.11.2020 | | |
| Testing basis | HP Keymark Scheme 2017 | | |

Model: CTC GS 608

| Configure model | |
|-------------------------------------|----------------|
| Model name | CTC GS 608 |
| Application | Heating + DHW |
| Units | Indoor |
| Climate Zone | Colder Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | No |

Heating

| EN 14511-2 | |
|-------------|--------------------|
| | Medium temperature |
| Heat output | 7.48 kW |
| El input | 2.38 kW |
| COP | 3.14 |

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

Colder Climate

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EN 12102-1

| | Medium temperature |
|--------------------------|--------------------|
| Sound power level indoor | 39 dB(A) |

EN 14825

| | Medium temperature |
|---------------|--------------------|
| η_s | 151 % |
| Prated | 8.48 kW |
| SCOP | 3.96 |
| Tbiv | -18 °C |
| TOL | -22 °C |
| Pdh Tj = -7°C | 7.70 kW |
| COP Tj = -7°C | 3.78 |
| Pdh Tj = +2°C | 8.00 kW |
| COP Tj = +2°C | 4.28 |
| Pdh Tj = +7°C | 8.10 kW |
| COP Tj = +7°C | 4.64 |
| Pdh Tj = 12°C | 8.20 kW |
| COP Tj = 12°C | 4.94 |
| Pdh Tj = Tbiv | 7.60 kW |
| COP Tj = Tbiv | 3.35 |

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| | |
|---|-------------|
| $P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$ | 7.48 kW |
| $COP T_j = TOL$ or $COP T_j = T_{designh}$ if $TOL < T_{designh}$ | 3.14 |
| $C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$ | 0.99 |
| WTOL | 65 °C |
| Poff | 18 W |
| PTO | 4 W |
| PSB | 18 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 1.00 kW |
| Annual energy consumption Q_{he} | 5275 kWh |

Average Climate

| EN 12102-1 | |
|--------------------------|---------------------------|
| | Medium temperature |
| Sound power level indoor | 39 dB(A) |

| EN 14825 | |
|-----------------|---------------------------|
| | Medium temperature |
| η_s | 147 % |
| Prated | 8.63 kW |

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| | |
|---|---------|
| SCOP | 3.88 |
| Tbiv | -6 °C |
| TOL | -10 °C |
| Pdh Tj = -7°C | 7.60 kW |
| COP Tj = -7°C | 3.35 |
| Pdh Tj = +2°C | 7.80 kW |
| COP Tj = +2°C | 3.94 |
| Pdh Tj = +7°C | 8.00 kW |
| COP Tj = +7°C | 4.33 |
| Pdh Tj = 12°C | 8.20 kW |
| COP Tj = 12°C | 4.78 |
| Pdh Tj = Tbiv | 7.60 kW |
| COP Tj = Tbiv | 3.47 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.48 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.14 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 |
| WTOL | 65 °C |
| Poff | 18 W |
| PTO | 4 W |
| PSB | 18 W |
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| | |
|--|-------------|
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 1.20 kW |
| Annual energy consumption Q _{he} | 4594 kWh |

Domestic Hot Water (DHW)

Colder Climate

| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 111 % |
| COP | 2.78 |
| Heating up time | 3:17 h:min |
| Standby power input | 46.0 W |
| Reference hot water temperature | 49.4 °C |
| Mixed water at 40°C | 241 l |

Average Climate

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| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 111 % |
| COP | 2.78 |
| Heating up time | 3:17 h:min |
| Standby power input | 46.0 W |
| Reference hot water temperature | 49.4 °C |
| Mixed water at 40°C | 241 l |

Model: CTC GS 608 1x230V

| Configure model | |
|-------------------------------------|-------------------|
| Model name | CTC GS 608 1x230V |
| Application | Heating + DHW |
| Units | Indoor |
| Climate Zone | Colder Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | No |

Heating

| EN 14511-2 | |
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| | Medium temperature |
| Heat output | 7.48 kW |
| El input | 2.38 kW |
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