Login

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

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
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
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.20 kW
Annual energy consumption Qhe	4594 kWh

Colder Climate

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
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COP Tj = Tbiv	3.35
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.48 kW
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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 Qhe	5275 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	111 %
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
COP	2.78

Colder Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	111 %
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
COP	2.78

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	
	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

Average Climate

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

EN 14825	
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Prated	8.63 kW
SCOP	3.88
Tbiv	-6 °C
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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
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PTO	4 W
PSB	18 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.20 kW
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