Login

Summary of	CTC GSi 608	Reg. No.	012-C700085
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 GSi 608		
Heat Pump Type	Brine/Water		
Refrigerant	R407c		
Mass of Refrigerant	2.4 kg		
Certification Date	30.11.2020		
Testing basis	HP Keymark Scheme 2019		

Model: CTC GSi 608

Configure model	
Model name	CTC GSi 608
Application	Heating + DHW + low temp
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		
	Low temperature	**Medium temperature**
Heat output	6.08 kW	5.24 kW
El input	1.27 kW	1.78 kW
COP	4.78	2.95

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	34 dB(A)	34 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	208 %	159 %
Prated	7.00 kW	7.00 kW
SCOP	5.39	4.17
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.02 kW	6.58 kW
COP Tj = -7°C	4.75	3.02
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	3.61 kW	4.31 kW
COP Tj = +2°C	5.68	4.71
Cdh Tj = +2 °C	0.96	0.97
Pdh Tj = +7°C	2.47 kW	2.30 kW
COP Tj = +7°C	5.97	4.46
Cdh Tj = +7 °C	0.94	0.94
Pdh Tj = 12°C	2.58 kW	2.28 kW

COP Tj = 12°C	6.05	4.86
Cdh Tj = +12 °C	0.95	0.95
Pdh Tj = Tbiv	7.32 kW	6.91 kW
COP Tj = Tbiv	4.56	2.66
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.32 kW	6.87 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.56	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.97
WTOL	65 °C	65 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	0 W	0 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2683 kWh	3467 kWh

Colder Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	34 dB(A)	34 dB(A)

EN 14825

	Low temperature	**Medium temperature**
η_s	217 %	162 %
Prated	7.00 kW	7.00 kW
SCOP	5.63	4.24
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.18 kW	4.42 kW
COP Tj = -7°C	5.52	4.01
Cdh Tj = -7 °C	0.97	0.98
Pdh Tj = +2°C	2.70 kW	2.33 kW
COP Tj = +2°C	6.11	4.59
Cdh Tj = +2 °C	0.95	0.96
Pdh Tj = +7°C	2.64 kW	2.35 kW
COP Tj = +7°C	6.14	5.15
Cdh Tj = +7 °C	0.95	0.95
Pdh Tj = 12°C	2.64 kW	2.68 kW
COP Tj = 12°C	6.14	5.92
Cdh Tj = +12 °C	0.95	0.95
Pdh Tj = Tbiv	7.32 kW	6.94 kW
COP Tj = Tbiv	4.56	2.88

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.32 kW	6.87 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.56	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.97
WTOL	65 °C	65 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	0 W	0 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3063 kWh	4065 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	98 %
COP	2.39
Heating up time	01:58 h:min
Standby power input	79.8 W
Reference hot water temperature	49.8 °C
Mixed water at 40°C	239 l

Colder Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	98 %
COP	2.39
Heating up time	01:58 h:min
Standby power input	79.8 W
Reference hot water temperature	49.8 °C
Mixed water at 40°C	239 l

Model: CTC EcoPart i608M

Configure model	
Model name	CTC EcoPart i608M
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	6.08 kW	5.24 kW
El input	1.27 kW	1.78 kW
COP	4.78	2.95

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	34 dB(A)	34 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	208 %	159 %
Prated	7.00 kW	7.00 kW
SCOP	5.39	4.17
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.02 kW	6.58 kW
COP Tj = -7°C	4.75	3.02
Cdh Tj = -7 °C	0.980	0.990
Pdh Tj = +2°C	3.61 kW	4.31 kW
COP Tj = +2°C	5.68	4.71
Cdh Tj = +2 °C	0.960	0.970
Pdh Tj = +7°C	2.47 kW	2.30 kW
COP Tj = +7°C	5.97	4.46
Cdh Tj = +7 °C	0.940	0.940
Pdh Tj = 12°C	2.58 kW	2.28 kW

COP Tj = 12°C	6.05	4.86
Cdh Tj = +12 °C	0.950	0.950
Pdh Tj = Tbiv	7.32 kW	6.91 kW
COP Tj = Tbiv	4.56	2.66
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.32 kW	6.87 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.56	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.970	0.970
WTOL	65 °C	65 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	0 W	0 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2683 kWh	3467 kWh

Colder Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	34 dB(A)	34 dB(A)

EN 14825

	Low temperature	**Medium temperature**
η_s	217 %	162 %
Prated	7.00 kW	7.00 kW
SCOP	5.63	4.24
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.18 kW	4.42 kW
COP Tj = -7°C	5.52	4.01
Cdh Tj = -7 °C	0.970	0.980
Pdh Tj = +2°C	2.70 kW	2.33 kW
COP Tj = +2°C	6.11	4.59
Cdh Tj = +2 °C	0.950	0.950
Pdh Tj = +7°C	2.64 kW	2.35 kW
COP Tj = +7°C	6.14	5.92
Cdh Tj = +7 °C	0.950	0.950
Pdh Tj = 12°C	2.64 kW	2.68 kW
COP Tj = 12°C	6.14	5.92
Cdh Tj = +12 °C	0.950	0.950
Pdh Tj = Tbiv	7.32 kW	6.94 kW
COP Tj = Tbiv	4.56	2.88

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.32 kW	6.87 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.56	2.84
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.970	0.970
WTOL	65 °C	65 °C
Poff	23 W	23 W
PTO	23 W	23 W
PSB	0 W	0 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3063 kWh	4065 kWh