Login

Summary of	CTC GS 606	Reg. No.	012-C700089
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 606		
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 606

Configure model	
Model name	CTC GS 606
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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Medium temperature	
Heat output	5.18 kW	
El input	1.78 kW	
COP	2.91	

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	41 dB(A)

EN 14825	
	Medium temperature
η_s	140 %
Prated	6.41 kW
SCOP	3.69
Tbiv	-6 °C
TOL	-10 °C
Pdh Tj = -7°C	5.30 kW
COP Tj = -7°C	3.18
Pdh Tj = +2°C	5.60 kW
COP Tj = +2°C	3.80
Pdh Tj = +7°C	5.70 kW
COP Tj = +7°C	4.19
Pdh Tj = 12°C	5.80 kW
COP Tj = 12°C	4.62
Pdh Tj = Tbiv	5.37 kW
COP Tj = Tbiv	3.30

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99
WTOL	65 °C
Poff	18 W
PTO	106 W
PSB	18 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.10 kW
Annual energy consumption Qhe	1685 kWh

Colder Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	41 dB(A)

EN 14825	
	Medium temperature
η_s	143 %
Prated	6.03 kW

SCOP	3.78
Tbiv	-18 °C
TOL	-22 °C
Pdh Tj = -7°C	5.50 kW
COP Tj = -7°C	3.65
Pdh Tj = +2°C	5.70 kW
COP Tj = +2°C	4.12
Pdh Tj = +7°C	5.80 kW
COP Tj = +7°C	4.47
Pdh Tj = 12°C	5.90 kW
COP Tj = 12°C	4.75
Pdh Tj = Tbiv	5.30 kW
COP Tj = Tbiv	3.18
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.99
WTOL	65 °C
Poff	18 W
PTO	3 W
PSB	18 W
PCK	0 W

Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.90 kW
Annual energy consumption Qhe	1685 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	100 %
Heating up time	2:14 h:min
Mixed water at 40°C	239 l
COP	2.50
Standby power input	57.0 W
Reference hot water temperature	49.7 °C

Colder Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	100 %
Heating up time	2:14 h:min
Mixed water at 40°C	239 l
COP	2.50
Standby power input	57.0 W
Reference hot water temperature	49.7 °C

Model: CTC GS 606 1x230V

Configure model	
Model name	CTC GS 606 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 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2		
	Medium temperature	
Heat output	5.18 kW	
El input	1.78 kW	
COP	2.91	

Average Climate

EN 12102-1	
	Medium temperature
Sound power level indoor	41 dB(A)

EN 14825	
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COP Tj = 12°C	4.62
Pdh Tj = Tbiv	5.37 kW
COP Tj = Tbiv	3.30

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.18 kW
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