Subtype CTC GS 606

Certificate Holder	CTC AB
Address	Box 309, Näsvägen
ZIP	SE-341 26
City	Ljungby
Country	SE
Certification Body	RISE CERT
Subtype title	CTC GS 606
Registration number	012-C700089
Heat Pump Type	Brine/Water
Refrigerant	R407c
Mass of Refrigerant	1.9 kg
Certification Date	22.05.2023
Testing basis	EN 14511:2013, EN16147:2017, EN 14825:2016, EN12102:2013
Testing laboratory	RISE Research Institutes of Sweden

Model CTC GS 606

Model name	CTC GS 606
Application	Heating + DHW
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Brine/Water

EN 16147 | Average Climate

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

EN 16147 | Colder Climate

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

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	5.18 kW	
El input	1.78 kW	
COP	2.91	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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	
Cdh Tj = -7 °C		
Pdh Tj = +2°C	5.60 kW	
COP Tj = +2°C	3.80	
Cdh Tj = +2 °C		
Pdh Tj = +7°C	5.70 kW	
COP Tj = +7°C	4.19	
Cdh Tj = +7 °C		
Pdh Tj = 12°C	5.80 kW	
COP Tj = 12°C	4.62	
Cdh Tj = +12 °C		
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	0.990	
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	1.23 kW	
Annual energy consumption Qhe	1685 kWh	

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	

EN 14825 | Colder Climate

	Low temperature	Medium temperature

ηs	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

Model CTC GS 606 1x230V

Model name	CTC GS 606 1x230V
Application	Heating + DHW
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Brine/Water

EN 16147 | Average Climate

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

EN 16147 | Colder Climate

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

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	5.18 kW	
El input	1.78 kW	
COP	2.91	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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	
Cdh Tj = -7 °C		
Pdh Tj = +2°C	5.60 kW	
COP Tj = +2°C	3.80	
Cdh Tj = +2 °C		
Pdh Tj = +7°C	5.70 kW	
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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	0.990	
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	1.23 kW	
Annual energy consumption Qhe	1685 kWh	

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	

EN 14825 | Colder Climate

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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