

This information was generated by the HP KEYMARK database on 18 Mar 2022

[Login](#)

Summary of	CTC GS 8	Reg. No.	012-SC1263-17
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 8		
Heat Pump Type	Brine/Water		
Refrigerant	R407c		
Mass of Refrigerant	1.9 kg		

Model: CTC GS 8

Configure model	
Model name	CTC GS 8
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
Phase-out Date	25.10.2023

Heating

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

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

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

This information was generated by the HP KEYMARK database on 18 Mar 2022

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

This information was generated by the HP KEYMARK database on 18 Mar 2022

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
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	1.00 kW
Annual energy consumption Q _{he}	5275 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	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 η_{DHW}	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