

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

[Login](#)

Summary of	CTC EcoPart 408	Reg. No.	012-063
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 EcoPart 408		
Heat Pump Type	Brine/Water		
Refrigerant	R407c		
Mass of Refrigerant	1.9 kg		

# Model: CTC EcoPart 408 1x230V

Configure model	
Model name	CTC EcoPart 408 1x230V
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	8.19 kW	7.55 kW
El input	1.79 kW	2.53 kW
COP	4.58	2.99

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

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	180 %	136 %
Prated	6.45 kW	8.72 kW
SCOP	4.70	3.60
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.20 kW	7.70 kW
COP Tj = -7°C	4.76	3.28
Pdh Tj = +2°C	8.30 kW	7.90 kW
COP Tj = +2°C	4.86	3.62
Pdh Tj = +7°C	8.30 kW	8.00 kW
COP Tj = +7°C	5.04	4.00
Pdh Tj = 12°C	8.40 kW	8.10 kW
COP Tj = 12°C	5.21	4.38
Pdh Tj = Tbiv	8.20 kW	7.70 kW
COP Tj = Tbiv	4.67	3.13

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

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.19 kW	7.64 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.58	3.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	18 W	18 W
PTO	13 W	4 W
PSB	18 W	18 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.10 kW
Annual energy consumption Qhe	4092 kWh	4995 kWh

## Colder Climate

<b>EN 12102-1</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
Sound power level indoor	46 dB(A)	46 dB(A)

<b>EN 14825</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
$\eta_s$	183 %	139 %
Prated	8.92 kW	8.62 kW

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

SCOP	4.80	7.70
Tbiv	-19 °C	-18 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	8.30 kW	7.80 kW
COP Tj = -7°C	4.88	3.55
Pdh Tj = +2°C	8.30 kW	8.00 kW
COP Tj = +2°C	5.04	3.92
Pdh Tj = +7°C	8.40 kW	8.10 kW
COP Tj = +7°C	5.16	4.27
Pdh Tj = 12°C	8.40 kW	8.20 kW
COP Tj = 12°C	5.19	4.52
Pdh Tj = Tbiv	8.20 kW	7.70 kW
COP Tj = Tbiv	4.67	3.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.19 kW	7.64 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.58	3.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	18 W	18 W
PTO	13 W	4 W
PSB	18 W	18 W
PCK	0 W	0 W

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

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	0.70 kW
Annual energy consumption Q <sub>he</sub>	4612 kWh	4612 kWh

# Model: CTC EcoPart 408 3x400V

Configure model	
Model name	CTC EcoPart 408 3x400V
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	8.19 kW	7.55 kW
El input	1.79 kW	2.53 kW
COP	4.58	2.99

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

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	180 %	136 %
Prated	6.45 kW	8.72 kW
SCOP	4.70	3.60
Tbiv	-7 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.20 kW	7.70 kW
COP Tj = -7°C	4.76	3.28
Pdh Tj = +2°C	8.30 kW	7.90 kW
COP Tj = +2°C	4.86	3.62
Pdh Tj = +7°C	8.30 kW	8.00 kW
COP Tj = +7°C	5.04	4.00
Pdh Tj = 12°C	8.40 kW	8.10 kW
COP Tj = 12°C	5.21	4.38
Pdh Tj = Tbiv	8.20 kW	7.70 kW
COP Tj = Tbiv	4.67	3.13



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

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.19 kW	7.64 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.58	3.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	18 W	18 W
PTO	13 W	4 W
PSB	18 W	18 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.10 kW	1.10 kW
Annual energy consumption Qhe	4092 kWh	4995 kWh

## Colder Climate

<b>EN 12102-1</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
Sound power level indoor	46 dB(A)	46 dB(A)

<b>EN 14825</b>		
	<b>Low temperature</b>	<b>Medium temperature</b>
$\eta_s$	183 %	139 %
Prated	8.92 kW	8.62 kW

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

SCOP	4.80	7.70
Tbiv	-19 °C	-18 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	8.30 kW	7.80 kW
COP Tj = -7°C	4.88	3.55
Pdh Tj = +2°C	8.30 kW	8.00 kW
COP Tj = +2°C	5.04	3.92
Pdh Tj = +7°C	8.40 kW	8.10 kW
COP Tj = +7°C	5.16	4.27
Pdh Tj = 12°C	8.40 kW	8.20 kW
COP Tj = 12°C	5.19	4.52
Pdh Tj = Tbiv	8.20 kW	7.70 kW
COP Tj = Tbiv	4.67	3.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.19 kW	7.64 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.58	3.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	18 W	18 W
PTO	13 W	4 W
PSB	18 W	18 W
PCK	0 W	0 W

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

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	0.70 kW
Annual energy consumption Q <sub>he</sub>	4612 kWh	4612 kWh