

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	CTC EcoPart 425	Reg. No.	012-068
Certificate Holder			
Name	Enertech CTC AB		
Address	Box 309, Näsvägen	Zip	SE-381 26
City	Ljungby	Country	Sweden
Certification Body	RISE CERT		
Name of testing laboratory	RISE		
Subtype title	CTC EcoPart 425		
Heat Pump Type	Brine/Water		
Refrigerant	R407c		
Mass Of Refrigerant	4.6 kg		

Model: CTC EcoPart 425 1x230V

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	25.06 kW	23.51 kW
El input	5.50 kW	7.62 kW
COP	4.56	3.09
Indoor water flow rate	4.32 m ³ /h	2.52 m ³ /h

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

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	182 %	138 %
Prated	25.06 kW	23.51 kW
SCOP	4.80	3.70
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	23.60 kW	22.00 kW
COP Tj = -7°C	4.69	3.25
Pdh Tj = +2°C	23.80 kW	22.40 kW
COP Tj = +2°C	4.88	3.64
Pdh Tj = +7°C	24.00 kW	22.80 kW
COP Tj = +7°C	5.06	4.02
Pdh Tj = 12°C	24.20 kW	23.20 kW
COP Tj = 12°C	5.23	4.40
Pdh Tj = Tbiv	23.60 kW	22.00 kW
COP Tj = Tbiv	4.69	3.25

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Pdh Tj = TOL	25.06 kW	23.51 kW
COP Tj = TOL	4.57	3.07
Cdh	0.98	0.99
WTOL	65 °C	65 °C
Poff	18 W	18 W
PTO	22 W	5 W
PSB	18 W	18 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	3.20 kW	3.00 kW
Annual energy consumption Qhe	11628 kWh	14168 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	185 %	141 %
Prated	25.10 kW	23.50 kW

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SCOP	4.80	3.70
Tbiv	-20 °C	-18 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	23.80 kW	22.40 kW
COP Tj = -7°C	4.89	3.56
Pdh Tj = +2°C	24.00 kW	22.80 kW
COP Tj = +2°C	5.06	3.94
Pdh Tj = +7°C	24.20 kW	23.20 kW
COP Tj = +7°C	5.18	4.29
Pdh Tj = 12°C	24.20 kW	23.40 kW
COP Tj = 12°C	5.20	4.54
Pdh Tj = Tbiv	23.60 kW	22.00 kW
COP Tj = Tbiv	4.66	3.25
Pdh Tj = TOL	25.06 kW	23.51 kW
COP Tj = TOL	4.57	3.10
Cdh	0.98	0.99
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Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.40 kW	2.80 kW
Annual energy consumption Q _{he}	12746 kWh	16390 kWh

Model: CTC EcoPart 425 3x400V

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

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Heat output	25.06 kW	23.51 kW
El input	5.50 kW	7.62 kW
COP	4.56	3.09
Indoor water flow rate	4.32 m ³ /h	2.52 m ³ /h

EN 14511-4

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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

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