

Summary of	CTC GSi 12 3x400V	Reg. No.	012-073	
Certificate Holder				
Name	Enertech CTC AB			
Address	Box 309, Näsvägen	Zip	SE-381 26	
City	Ljungby	Country	Sweden	
Certification Body	RISE CERT	RISE CERT		
Name of testing laboratory	RISE	RISE		
Subtype title	CTC GSi 12 3x400V			
Heat Pump Type	Brine/Water			
Refrigerant	R407c			
Mass Of Refrigerant	2.4 kg			
Certification Date	12.06.2017			



Model: CTC GSi 12 3x400V

General Data		
Power supply	3x400V 50Hz	
Off-peak product	No	

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	6.08 kW	5.24 kW	
El input	1.27 kW	1.78 kW	
СОР	4.78	2.95	
Indoor water flow rate	1.05 m³/h	0.57 m³/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



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	39 dB(A)	39 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	208 %	155 %
Prated	9.81 kW	6.80 kW
SCOP	5.40	4.10
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.80 kW	6.00 kW
COP Tj = -7°C	4.59	3.25
Pdh Tj = +2°C	5.40 kW	3.70 kW
COP Tj = +2°C	5.60	4.18
Pdh Tj = +7°C	3.50 kW	2.40 kW
COP Tj = +7°C	6.05	4.70
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	6.03	5.34
Pdh Tj = Tbiv	9.80 kW	6.70 kW
COP Tj = Tbiv	4.30	3.00

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Pdh Tj = TOL	9.94 kW	6.66 kW
COP Tj = TOL	4.28	2.99
Cdh	0.97	0.98
WTOL	65 °C	65 °C
Poff	23 W	23 W
РТО	o w	6 W
PSB	o w	o w
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.10 kW	0.10 kW
Annual energy consumption Qhe	3800 kWh	3444 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	39 dB(A)	39 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	208 %	155 %
Prated	11.40 kW	7.20 kW





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SCOP	5.50	4.30		
Tbiv	-22 °C	-22 °C		
TOL	-22 °C	-22 °C		
Pdh Tj = -7°C	7.00 kW	4.46 kW		
COP Tj = -7°C	5.33	4.01		
Pdh Tj = +2°C	4.20 kW	2.70 kW		
COP Tj = +2°C	5.90	4.66		
Pdh Tj = $+7^{\circ}$ C	2.80 kW	2.40 kW		
$COPTj = +7^{\circ}C$	5.95	5.17		
Pdh Tj = 12°C	2.40 kW	2.40 kW		
COP Tj = 12°C	5.74	5.51		
Pdh Tj = Tbiv	11.50 kW	7.50 kW		
COP Tj = Tbiv	3.93	2.86		
Pdh Tj = TOL	11.45 kW	7.54 kW		
COP Tj = TOL	3.93	2.86		
Cdh	0.96	0.98		
WTOL	65 °C	65 °C		
Poff	13 W	23 W		
РТО	34 W	0 W		
PSB	0 W	0 W		
PCK	0 W	o w		



Supplementary Heater: Type of energy input	electricity	electricity
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Annual energy consumption Qhe	3800 kWh	3444 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147		
Declared load profile	XL	
Efficiency ηDHW	100 %	
СОР	2.50	
Heating up time	1:45 h:min	
Standby power input	59.0 W	
Reference hot water temperature	49.5 °C	
Mixed water at 40°C	235 I	

Colder Climate



$$\operatorname{\textit{Page}}\ 7$$ of 12 This information was generated by the HP KEYMARK database on 17 Dec 2020

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Declared load profile	XL	
Efficiency ηDHW	100 %	
СОР	2.50	
Heating up time	1:45 h:min	
Standby power input	59.0 W	
Reference hot water temperature	49.5 °C	
Mixed water at 40°C	235 I	



Model: CTC EcoPart 612M 3x400V

General Data		
Power supply	3x400V 50Hz	

Heating

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El input	1.27 kW	1.78 kW	
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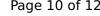
Average Climate



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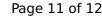
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11.40 kW	7.20 kW	
	Low temperature 208 %	





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