

Summary of	CTC GSi 616	Reg. No.	012- C700088	
Certificate Holder			-	
Name	Enertech CTC AB	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 616	CTC GSi 616		
Heat Pump Type	Brine/Water	Brine/Water		
Refrigerant	R407c	R407c		
Mass Of Refrigerant	2.2 kg	2.2 kg		
Certification Date	30.11.2020	30.11.2020		
Testing basis	HP Keymark Scheme 201	HP Keymark Scheme 2018		

Model: CTC GSi 616

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

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.55 kW	9.85 kW	
El input	2.62 kW	3.63 kW	
СОР	4.40	2.72	
Indoor water flow rate	2.03 m³/h	1.06 m³/h	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

Average Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	201 %	154 %
Prated	16.00 kW	16.00 kW

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This information was get		T
SCOP	5.23	4.04
Tbiv	-9 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	14.04 kW	14.19 kW
COP Tj = -7°C	4.17	2.79
Pdh Tj = +2°C	8.49 kW	8.83 kW
COP Tj = +2°C	5.36	4.13
Pdh Tj = $+7^{\circ}$ C	5.61 kW	5.50 kW
$COP Tj = +7^{\circ}C$	5.87	4.89
Pdh Tj = 12°C	4.55 kW	4.39 kW
COP Tj = 12°C	6.03	5.14
Pdh Tj = Tbiv	15.27 kW	14.58 kW
COP Tj = Tbiv	3.88	2.70
Pdh Tj = TOL	15.60 kW	14.34 kW
COP Tj = TOL	3.77	2.57
Cdh	0.99	0.99
WTOL	65 °C	65 °C
Poff	20 W	20 W
РТО	20 W	20 W
PSB	20 W	20 W
PCK	o w	0 W





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This information was	generated by	the HP KEYMARK	database on 1	7 Dec 20	020

Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.40 kW	1.66 kW
Annual energy consumption Qhe	6321 kWh	8176 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	42 dB(A)	42 dB(A)	

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	210 %	161 %
Prated	16.00 kW	16.00 kW
SCOP	5.45	4.22
Tbiv	-21 °C	-18 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	9.89 kW	9.98 kW
COP Tj = -7°C	5.22	3.79
Pdh Tj = +2°C	5.88 kW	5.92 kW
COP Tj = +2°C	5.93	4.78
Pdh Tj = +7°C	4.45 kW	4.46 kW

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COP Tj = +7°C	6.07	5.31
Pdh Tj = 12°C	4.39 kW	4.46 kW
COP Tj = 12°C	5.76	5.31
Pdh Tj = Tbiv	15.51 kW	14.27 kW
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Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.40 kW	1.66 kW
Annual energy consumption Qhe	7239 kWh	9352 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	42 dB(A)	42 dB(A)	

Domestic Hot Water (DHW)



Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	99 %
СОР	2.38
Heating up time	01:04 h:min
Reference hot water temperature	50.0 °C
Mixed water at 40°C	234
Standby power input	57.0 W

Colder Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	99 %
СОР	2.38
Heating up time	01:04 h:min
Reference hot water temperature	50.0 °C
Mixed water at 40°C	234
Standby power input	57.0 W



Model: CTC EcoPart 616M

General Data	
Power supply 3x400V 50Hz	

Heating

EN 14511-2		
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El input	2.62 kW	3.63 kW
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PSB	20 W	20 W
РСК	0 W	o w





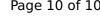
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