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#### <u>Login</u>

Summary of	CTC GSi 612	Reg. No.	012-C700087	
Certificate Holder	<u> </u>			
Name	Enertech CTC AB	Enertech CTC AB		
Address	Box 309, Näsvägen	Zip	SE-381 26	
City	Ljungby	Country	Sweden	
Certification Body	RISE CERT			
Subtype title	CTC GSi 612			
Heat Pump Type	Brine/Water			
Refrigerant	R407c			
Mass of Refrigerant	2.4 kg			
Certification Date	30.11.2020			
Testing basis	HP Keymark Scheme 2017			



## Model: CTC GSi 612

Configure model		
Model name	CTC GSi 612	
Application	Heating + DHW + low temp	
Units	Indoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

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	

EN 14511-4		
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
$\eta_{s}$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	9.94 kW	6.66 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.28	2.99
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.98
WTOL	65 °C	65 °C
Poff	23 W	23 W
РТО	o w	6 W
PSB	0 W	0 W
PCK	0 W	0 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

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	208 %	155 %
Prated	11.40 kW	7.20 kW
	, 	





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
$COP Tj = -7^{\circ}C$	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 or Pdh Tj = Tdesignh if TOL < Tdesignh	11.45 kW	7.54 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.93	2.86
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.96	0.98
WTOL	65 °C	65 °C
Poff	13 W	23 W
РТО	34 W	o w
PSB	0 W	0 W
PCK	o w	0 W



Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
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	



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	



## **Model: CTC EcoPart 612M**

Configure model		
Model name CTC EcoPart 612M		
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	6.08 kW	5.24 kW	
El input	1.27 kW	1.78 kW	
СОР	4.78	2.95	

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

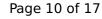
## **Average Climate**



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

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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
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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
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WTOL	65 °C	65 °C
Poff	23 W	23 W
РТО	o w	6 W
PSB	o w	o w
PCK	o w	0 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

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

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	208 %	155 %
Prated	11.40 kW	7.20 kW
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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		
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3800 kWh	3444 kWh



## **Model: CTC EcoPart i612M**

Configure model		
Model name	CTC EcoPart i612M	
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

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	Low temperature	Medium temperature
Heat output	6.08 kW	5.24 kW
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EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

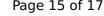
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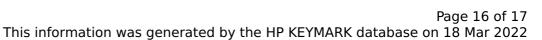


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