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Summary of	CTC EcoAir 622M	Reg. No.	012-SC0320-18	
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	DTI	DTI		
Subtype title	CTC EcoAir 622M	CTC EcoAir 622M		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water		
Refrigerant	R407c	R407c		
Mass Of Refrigerant	2.7 kg	2.7 kg		



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# **Model: CTC EcoAir 622M**

General Data		
Power supply	3x400V 50Hz	

## Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	11.38 kW	9.35 kW	
El input	2.25 kW	2.84 kW	
СОР	5.06	3.29	
Indoor water flow rate	1.94 m³/h	1.01 m³/h	

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
	pusseu	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

## **Average Climate**

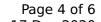
#### EN 14825



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	Low temperature	Medium temperature
$\eta_{s}$	193 %	147 %
Prated	8.50 kW	8.50 kW
SCOP	4.92	3.77
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.76 kW	7.52 kW
COP Tj = -7°C	3.53	2.41
Pdh Tj = +2°C	4.49 kW	4.61 kW
COP Tj = +2°C	4.97	3.81
Pdh Tj = +7°C	4.81 kW	4.72 kW
COP Tj = +7°C	5.94	4.76
Pdh Tj = 12°C	5.56 kW	5.55 kW
COP Tj = 12°C	7.35	6.15
Pdh Tj = Tbiv	8.75 kW	8.66 kW
COP Tj = Tbiv	3.04	1.99
Pdh Tj = TOL	8.75 kW	8.66 kW
COP Tj = TOL	3.04	1.99
Cdh	0.98	0.99
WTOL	65 °C	65 °C
Poff	12 W	12 W

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PTO	12 W	12 W
PSB	12 W	12 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	3567 kWh	4656 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level outdoor	55 dB(A)	55 dB(A)	

### Colder Climate

EN 14825		
	Low temperature	Medium temperature
η <sub>s</sub>	167 %	136 %
Prated	12.50 kW	11.50 kW
SCOP	4.26	3.47
Tbiv	-17 °C	-18 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	7.60 kW	7.29 kW
COP Tj = -7°C	3.67	2.91

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	<u> </u>	
Pdh Tj = +2°C	4.70 kW	4.63 kW
COP Tj = +2°C	5.49	4.53
Pdh Tj = +7°C	4.87 kW	4.76 kW
$COP Tj = +7^{\circ}C$	6.70	5.28
Pdh Tj = 12°C	5.58 kW	5.55 kW
COP Tj = 12°C	7.77	6.44
Pdh Tj = Tbiv	11.35 kW	10.87 kW
COP Tj = Tbiv	1.99	1.46
Pdh Tj = TOL	4.92 kW	4.57 kW
COP Tj = TOL	1.99	1.51
Cdh	0.98	0.99
WTOL	65 °C	65 °C
Poff	12 W	12 W
РТО	12 W	12 W
PSB	12 W	12 W
РСК	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	12.50 kW	11.50 kW
Annual energy consumption Qhe	7225 kWh	8159 kWh





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EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	55 dB(A)	55 dB(A)