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Login

Summary of	CTC EcoAir 520M	Reg. No.	012-062	
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		
Subtype title	CTC EcoAir 520M			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R407c	R407c		
Mass of Refrigerant	2.7 kg			



Model: CTC EcoAir 520M

Configure model		
Model name	CTC EcoAir 520M	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	
Phase-out Date	25.10.2023	

Heating

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	
Defrost test	passed	

EN 14511-2				
Low temperature Medium temperature				
Heat output	6.14 kW	9.59 kW		
El input	1.19 kW	3.06 kW		
СОР	5.16	3.13		



Colder Climate

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

EN 14825		
	Low temperature	Medium temperature
η_{s}	149 %	121 %
Prated	11.00 kW	10.00 kW
SCOP	3.80	3.10
Tbiv	-13 °C	-14 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	6.70 kW	6.10 kW
COP Tj = -7°C	3.42	2.49
Pdh Tj = +2°C	4.10 kW	4.10 kW
COP Tj = +2°C	4.51	4.12
Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.57	5.40
Pdh Tj = 12°C	5.60 kW	5.70 kW
COP Tj = 12°C	7.53	6.84
Pdh Tj = Tbiv	7.90 kW	7.80 kW

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





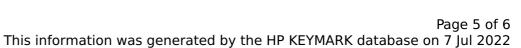
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COP Tj = Tbiv	2.26	1.60
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.60 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.70	1.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.98	0.99
WTOL	65 °C	65 °C
Poff	15 W	15 W
PTO	10 W	10 W
PSB	o w	o w
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	5.40 kW	4.60 kW
Annual energy consumption Qhe	7156 kWh	7956 kWh

Average Climate

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

EN 14825		
	Low temperature	Medium temperature
η_{s}	177 %	132 %





·C	8.50 kW 3.40 -10 °C
·C	
	-10 °C
С	
I	-10 °C
kW	7.60 kW
	2.07
kW	4.60 kW
	3.49
kW	4.80 kW
	4.69
kW	5.80 kW
	6.36
kW	8.40 kW
	1.71
kW	8.40 kW
	1.71
	0.99
С	65 °C
ı	15 W
ı	10 W
I	0 W
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PCK	o w	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.10 kW
Annual energy consumption Qhe	3526 kWh	5090 kWh