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Login

Summary of	CTC EcoAir 406	Reg. No.	012-056
Certificate Holder	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 406		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R407c	R407c	
Mass of Refrigerant	2.2 kg		



Model: CTC EcoAir 406 1x230V

Configure model		
Model name	CTC EcoAir 406 1x230V	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	Colder Climate	
Reversibility No		
Cooling mode application (optional) n/a		

General Data		
Power supply	1x230V 50Hz	

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	6.22 kW	5.56 kW
El input	1.28 kW	1.83 kW
СОР	4.78	3.03

Colder Climate



EN 12102-1 Low temperature Medium temperature Sound power level outdoor 56 dB(A) 56 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	131 %	103 %
Prated	4.14 kW	5.14 kW
SCOP	3.40	2.70
Tbiv	-13 °C	-9 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.00 kW	3.60 kW
COP Tj = -7°C	3.34	2.49
Pdh Tj = +2°C	4.90 kW	4.50 kW
COP Tj = +2°C	4.07	3.22
Pdh Tj = +7°C	6.40 kW	6.10 kW
$COP Tj = +7^{\circ}C$	5.40	4.34
Pdh Tj = 12°C	7.90 kW	7.60 kW
COP Tj = 12°C	6.62	5.44
Pdh Tj = Tbiv	3.20 kW	3.40 kW
COP Tj = Tbiv	2.92	2.37





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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.90 kW	1.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.83	1.67
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.98
WTOL	65 °C	65 °C
Poff	18 W	18 W
РТО	19 W	6 W
PSB	18 W	18 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.20 kW	3.50 kW
Annual energy consumption Qhe	3045 kWh	4785 kWh

Average Climate

EN 12102-1		
Low temperature Medium temperature		
Sound power level outdoor	56 dB(A)	56 dB(A)

EN 14825		
Low temperature Medium temperatu		ature Medium temperature
η_{S}	151 %	131 %
Prated	5.08 kW	4.95 kW



		ANK database on 7 jul 2022
SCOP	3.90	3.00
Tbiv	-5 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.90 kW	3.50 kW
COP Tj = -7°C	3.16	2.13
Pdh Tj = +2°C	4.80 kW	4.40 kW
COP Tj = +2°C	3.92	2.93
Pdh Tj = $+7$ °C	6.40 kW	6.00 kW
$COP Tj = +7^{\circ}C$	5.25	3.99
Pdh Tj = 12°C	7.90 kW	7.60 kW
COP Tj = 12°C	6.66	5.21
Pdh Tj = Tbiv	4.10 kW	3.80 kW
COP Tj = Tbiv	3.35	2.44
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.50 kW	3.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	1.82
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.97	0.98
WTOL	65 °C	65 °C
Poff	18 W	18 W
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PSB	18 W	18 W
PCK	o w	0 W



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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.60 kW	1.90 kW
Annual energy consumption Qhe	2722 kWh	3045 kWh



Model: CTC EcoAir 406 3x400V

Configure model		
Model name	CTC EcoAir 406 3x400V	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	Colder Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

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	6.22 kW	5.56 kW	
El input	1.28 kW	1.83 kW	
СОР	4.78	3.03	

Colder Climate



EN 12102-1		
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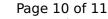


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