

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	CTC CombiAir 12M	Reg. No.	012-C700077
Certificate Holder			
Name	Enertech CTC AB		
Address	Box 309, Näsvägen	Zip	SE-381 26
City	Ljungby	Country	Sweden
Certification Body	RISE CERT		
Name of testing laboratory	AIT		
Subtype title	CTC CombiAir 12M		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.9 kg		
Certification Date	30.10.2020		

## Model: CTC CombiAir 12M

### General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	5.21 kW	4.73 kW
El input	1.09 kW	1.54 kW
COP	4.78	3.07
Indoor water flow rate	0.90 m <sup>3</sup> /h	0.51 m <sup>3</sup> /h

### EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

## Average Climate

### EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

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**EN 14825**

	<b>Low temperature</b>	<b>Medium temperature</b>
$\eta_s$	174 %	132 %
Prated	11.50 kW	10.00 kW
SCOP	4.42	3.37
Tbiv	-7 °C	-8 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.30 kW	8.90 kW
COP Tj = -7°C	2.91	1.99
Pdh Tj = +2°C	6.30 kW	5.50 kW
COP Tj = +2°C	4.34	3.22
Pdh Tj = +7°C	4.10 kW	3.50 kW
COP Tj = +7°C	5.51	4.61
Pdh Tj = 12°C	4.80 kW	5.00 kW
COP Tj = 12°C	6.96	6.25
Pdh Tj = Tbiv	10.20 kW	9.20 kW
COP Tj = Tbiv	2.89	1.90
Pdh Tj = TOL	9.30 kW	8.10 kW
COP Tj = TOL	2.66	1.92
Cdh	0.97	0.98
WTOL	58 °C	58 °C

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Poff	2 W	2 W
PTO	20 W	15 W
PSB	15 W	15 W
PCK	20 W	20 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.20 kW	1.90 kW
Annual energy consumption Qhe	5482 kWh	6136 kWh