Subtype EcoAir C108

Certificate Holder	CTC AB
Address	Box 309, Näsvägen
ZIP	SE-341 26
City	Ljungby
Country	SE
Certification Body	UL International Italia S.r.l.
Subtype title	EcoAir C108
Registration number	047-A1001
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.8 kg
Certification Date	30.06.2025
Testing basis	Heat Pump Keymark scheme rules V15
Testing laboratory	Centro de Ensayos, Innovación y Servicios (CEIS), ES

Model EcoAir C108 1x230V	
Model name	EcoAir C108 1x230V
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	8.15 kW	8.28 kW
El input	1.73 kW	2.74 kW
COP	4.71	3.02

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	50 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	188 %	148 %
Prated	7.50 kW	6.50 kW
SCOP	4.78	3.78
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.02 kW	6.01 kW
COP Tj = -7°C	2.59	2.26
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.83 kW	3.26 kW
COP Tj = +2°C	4.98	3.75
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.61 kW	2.25 kW

COP Tj = +7°C	6.18	4.90
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.33 kW	2.35 kW
COP Tj = 12°C	7.63	6.78
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.02 kW	6.01 kW
COP Tj = Tbiv	2.59	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.91 kW	5.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.47	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	6 W	6 W
PTO	6 W	6 W
PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.59 kW	0.51 kW
Annual energy consumption Qhe	3241 kWh	3556 kWh

Model EcoAir C108 3x400V	
Model name	EcoAir C108 3x400V
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	8.15 kW	8.28 kW
El input	1.73 kW	2.74 kW
COP	4.71	3.02

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	50 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	188 %	148 %
Prated	7.50 kW	6.50 kW
SCOP	4.78	3.78
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.02 kW	6.01 kW
COP Tj = -7°C	2.59	2.26
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	3.83 kW	3.26 kW
COP Tj = +2°C	4.98	3.75
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.61 kW	2.25 kW

COP Tj = +7°C	6.18	4.90
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.33 kW	2.35 kW
COP Tj = 12°C	7.63	6.78
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.02 kW	6.01 kW
COP Tj = Tbiv	2.59	2.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.91 kW	5.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.47	1.94
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	6 W	6 W
PTO	6 W	6 W
PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.59 kW	0.51 kW
Annual energy consumption Qhe	3241 kWh	3556 kWh