

Subtype EcoTouch Air Bloc

Certificate Holder	WATERKOTTE GmbH
Address	Gewerkenstr. 15
ZIP	44628
City	Herne
Country	DE
Certification Body	RISE CERT
Subtype title	EcoTouch Air Bloc
Registration number	012-C700253
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.8 kg
Certification Date	23.02.2024
Testing basis	EN 14511:2022, EN 14825:2022, EN 12102:2017

Model EcoTouch Air Bloc 7008 400V

Model name	EcoTouch Air Bloc 7008 400V
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder
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	5.02 kW	4.79 kW
El input	1.03 kW	1.46 kW
COP	4.89	3.28

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	197 %	151 %
Prated	7.30 kW	7.00 kW
SCOP	5.00	3.86
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.02 kW	5.97 kW
COP Tj = -7°C	3.07	2.31
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.84 kW	3.71 kW
COP Tj = +2°C	4.94	3.77
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.54 kW	2.39 kW

COP Tj = +7°C	6.46	5.16
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.45 kW	2.37 kW
COP Tj = 12°C	8.23	6.31
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	7.23 kW	6.78 kW
COP Tj = Tbiv	2.54	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.23 kW	6.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3016 kWh	3751 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	167 %	132 %
Prated	8.00 kW	8.40 kW
SCOP	4.24	3.38
Tbiv	-15 °C	-13 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.08 kW	5.31 kW
COP Tj = -7°C	3.51	2.75
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.02 kW	2.95 kW
COP Tj = +2°C	5.29	4.33
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.11 kW	2.08 kW
COP Tj = +7°C	6.95	5.75
Cdh Tj = +7 °C	0.950	0.960
Pdh Tj = 12°C	2.43 kW	2.40 kW
COP Tj = 12°C	8.03	6.62
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	6.41 kW	6.48 kW

COP Tj = Tbiv	2.34	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.32 kW	3.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.00	1.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.996
WTOL	55 °C	55 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.68 kW	5.20 kW
Annual energy consumption Qhe	4653 kWh	6130 kWh
Pdh Tj = -15°C (if TOL	6.41	6.10
COP Tj = -15°C (if TOL	2.34	1.92
Cdh Tj = -15 °C	0.990	0.996

Model EcoTouch Air Bloc 7008 230V

Model name	EcoTouch Air Bloc 7008 230V
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder
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	5.02 kW	4.79 kW
El input	1.03 kW	1.46 kW
COP	4.89	3.28

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	197 %	151 %
Prated	7.30 kW	7.00 kW
SCOP	5.00	3.86
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.02 kW	5.97 kW
COP Tj = -7°C	3.07	2.31
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.84 kW	3.71 kW
COP Tj = +2°C	4.94	3.77
Cdh Tj = +2 °C	0.980	0.990
Pdh Tj = +7°C	2.54 kW	2.39 kW

COP Tj = +7°C	6.46	5.16
Cdh Tj = +7 °C	0.960	0.970
Pdh Tj = 12°C	2.45 kW	2.37 kW
COP Tj = 12°C	8.23	6.31
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	7.23 kW	6.78 kW
COP Tj = Tbiv	2.54	1.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.23 kW	6.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.96
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3016 kWh	3751 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	167 %	132 %
Prated	8.00 kW	8.40 kW
SCOP	4.24	3.38
Tbiv	-15 °C	-13 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.08 kW	5.31 kW
COP Tj = -7°C	3.51	2.75
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	3.02 kW	2.95 kW
COP Tj = +2°C	5.29	4.33
Cdh Tj = +2 °C	0.980	0.980
Pdh Tj = +7°C	2.11 kW	2.08 kW
COP Tj = +7°C	6.95	5.75
Cdh Tj = +7 °C	0.950	0.960
Pdh Tj = 12°C	2.43 kW	2.40 kW
COP Tj = 12°C	8.03	6.62
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	6.41 kW	6.48 kW

COP Tj = Tbiv	2.34	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.32 kW	3.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.00	1.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.996
WTOL	55 °C	55 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.68 kW	5.20 kW
Annual energy consumption Qhe	4653 kWh	6130 kWh
Pdh Tj = -15°C (if TOL	6.41	6.10
COP Tj = -15°C (if TOL	2.34	1.92
Cdh Tj = -15 °C	0.990	0.996

Model EcoTouch Air Bloc 7006 230V

Model name	EcoTouch Air Bloc 7006 230V
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder
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	5.02 kW	4.79 kW
El input	1.03 kW	1.46 kW
COP	4.89	3.28

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	46 dB(A)	46 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	198 %	151 %
Prated	5.30 kW	5.00 kW
SCOP	5.03	3.84
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.74 kW	4.43 kW
COP Tj = -7°C	3.30	2.43
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.91 kW	2.69 kW
COP Tj = +2°C	4.99	3.82
Cdh Tj = +2 °C	0.970	0.980
Pdh Tj = +7°C	2.11 kW	2.03 kW

COP Tj = +7°C	6.24	4.85
Cdh Tj = +7 °C	0.950	0.960
Pdh Tj = 12°C	2.44 kW	2.37 kW
COP Tj = 12°C	8.00	6.16
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	4.95 kW	4.61 kW
COP Tj = Tbiv	2.93	2.14
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.95 kW	4.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.93	2.14
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2176 kWh	2687 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	46 dB(A)	46 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	167 %	134 %
Prated	6.00 kW	6.00 kW
SCOP	4.25	3.43
Tbiv	-13 °C	-13 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.66 kW	3.70 kW
COP Tj = -7°C	3.63	2.93
Cdh Tj = -7 °C	0.990	0.990
Pdh Tj = +2°C	2.25 kW	2.36 kW
COP Tj = +2°C	5.20	4.28
Cdh Tj = +2 °C	0.970	0.970
Pdh Tj = +7°C	2.10 kW	2.04 kW
COP Tj = +7°C	6.74	5.21
Cdh Tj = +7 °C	0.950	0.960
Pdh Tj = 12°C	2.43 kW	2.37 kW
COP Tj = 12°C	8.04	6.45
Cdh Tj = +12 °C	0.950	0.960
Pdh Tj = Tbiv	4.63 kW	4.32 kW

COP Tj = Tbiv	2.89	2.23
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.57 kW	3.09 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	1.57
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.25 kW	2.91 kW
Annual energy consumption Qhe	3484 kWh	4316 kWh
Pdh Tj = -15°C (if TOL	4.35	4.05
COP Tj = -15°C (if TOL	2.69	2.09
Cdh Tj = -15 °C	0.990	0.990