

Subtype EcoTouch Air Bloc 7016

Certificate Holder	WATERKOTTE GmbH
Address	Gewerkenstr. 15
ZIP	44628
City	Herne
Country	DE
Certification Body	RISE CERT
Subtype title	EcoTouch Air Bloc 7016
Registration number	012-C700376
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.2 kg
Certification Date	20.05.2025
Testing basis	EN 14511:2022, EN 14825:2022, EN 12102:2022
Testing laboratory	Danish Technological Institute (DTI), DK

Model EcoTouch Air Bloc 7016

Model name	EcoTouch Air Bloc 7016
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	10.78 kW	10.09 kW
El input	2.14 kW	2.98 kW
COP	5.04	3.39

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	211 %	161 %
Prated	11.60 kW	12.20 kW
SCOP	5.35	4.09
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.14 kW	10.76 kW
COP Tj = -7°C	3.35	2.43
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.44 kW	6.55 kW
COP Tj = +2°C	5.22	4.00
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.68 kW	4.53 kW

COP Tj = +7°C	6.97	5.50
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	5.38 kW	5.26 kW
COP Tj = 12°C	8.65	6.82
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	11.92 kW	11.90 kW
COP Tj = Tbiv	2.78	2.01
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.92 kW	11.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.78	2.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	55 °C	55 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4483 kWh	6159 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	164 %	134 %
Prated	15.50 kW	15.00 kW
SCOP	4.20	3.42
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	9.43 kW	9.04 kW
COP Tj = -7°C	3.47	2.78
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	5.92 kW	5.38 kW
COP Tj = +2°C	5.41	4.37
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	4.52 kW	4.38 kW
COP Tj = +7°C	7.13	5.65
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	5.16 kW	5.07 kW
COP Tj = 12°C	8.28	6.80
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	12.51 kW	12.18 kW

COP Tj = Tbiv	2.22	1.85
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.22 kW	4.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.21	1.61
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.990
WTOL	55 °C	55 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	10.30 kW	10.20 kW
Annual energy consumption Qhe	9100 kWh	10817 kWh
Pdh Tj = -15°C (if TOL)	12.51	12.18
COP Tj = -15°C (if TOL)	2.22	1.85
Cdh Tj = -15 °C	1.000	1.000

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	250 %	188 %
Prated	15.20 kW	15.60 kW
SCOP	6.33	4.76
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	15.08 kW	15.55 kW
COP Tj = +2°C	2.57	2.09
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	9.69 kW	9.86 kW
COP Tj = +7°C	5.50	3.99
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	5.14 kW	5.00 kW
COP Tj = 12°C	8.46	6.49
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	15.08 kW	15.55 kW
COP Tj = Tbiv	2.57	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	15.08 kW	15.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57	2.09

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	55 °C	55 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3208 kWh	4375 kWh