| 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 |
| Testing laboratory | Danish Technological Institute (DTI), DK |

| 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<br>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 |
| ηs | 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 |
| ηs | 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 |
| ηs | 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 |