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Login

| Summary of | VITOCAL 100 A- (AF) 06/08 | Reg. No. | ICIM-PDC-000085-00 |
|---|---|---|---|
| Certificate Holder | | | |
| Name | Viessmann Werke Allendorf GmbH | | |
| Address | Viessmannstraße 1 | Zip | 35107 |
| City | Allendorf/Eder | Country | Germany |
| Certification Body | ICIM S.p.A. | | |
| Subtype title | VITOCAL 100 A- (AF) 06/08 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | 1.5 kg | | |
| Certification Date | 25.06.2020 | | |
| Testing basis | HP KEYMARK certification scheme rules rev. no. 7 | | |

# Model: AWO-M-AC (AF) 101.A06

| Configure model | |
|---|---|
| Model name | AWO-M-AC (AF) 101.A06 |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 1x230V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 6.08 kW | 5.74 kW |
| El input | 1.35 kW | 2.09 kW |
| COP | 4.51 | 2.75 |

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

## Average Climate

| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 175 % | 126 % |
| Prated | 7.00 kW | 7.00 kW |
| SCOP | 4.46 | 3.21 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -15 °C |
| Pdh Tj = -7°C | 6.10 kW | 5.80 kW |
| COP Tj = -7°C | 2.96 | 2.08 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 3.70 kW | 3.60 kW |
| COP Tj = +2°C | 4.36 | 3.30 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 3.20 kW | 3.00 kW |
| COP Tj = +7°C | 5.56 | 3.49 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.70 kW | 3.60 kW |

| | | |
|---|---|---|
| COP Tj = 12°C | 7.88 | 6.49 |
| Cdh Tj = +12 °C | 0.96 | 0.97 |
| Pdh Tj = Tbiv | 6.10 kW | 5.80 kW |
| COP Tj = Tbiv | 2.96 | 2.08 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.10 kW | 6.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.73 | 1.95 |
| WTOL | 60 °C | 60 °C |
| Poff | 19 W | 19 W |
| PTO | 19 W | 19 W |
| PSB | 19 W | 19 W |
| PCK | 30 W | 30 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3179 kWh | 4191 kWh |

## Cooling

| **EN 14511-2** | |
|---|---|
| | **+7°C/+12°C** |
| El input | 1.60 kW |
| Cooling capacity | 5.02 |
| EER | 3.14 |

| EN 14825 | |
|---|---|
| | **+7°C/+12°C** |
| Pdesignc | 5.02 kW |
| SEER | 4.12 |
| Pdc Tj = 35°C | 5.02 kW |
| EER Tj = 35°C | 3.14 |
| Pdc Tj = 30°C | 3.70 kW |
| EER Tj = 30°C | 4.03 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.70 kW |
| EER Tj = 25°C | 4.80 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 2.96 kW |
| EER Tj = 20°C | 6.10 |
| Cdc | 1.0 |
| Poff | 19 W |
| PTO | 0 W |
| PSB | 19 W |
| PCK | 30 W |
| Annual energy consumption Qce | 730 kWh |

# Model: AWO-M-AC (AF) 101.A08

| Configure model | |
|---|---|
| Model name | AWO-M-AC (AF) 101.A08 |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |

| General Data | |
|---|---|
| Power supply | 1x230V 50Hz |

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 7.81 kW | 7.19 kW |
| El input | 1.78 kW | 2.59 kW |
| COP | 4.38 | 2.77 |

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

## Average Climate

## EN 12102-1

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |

## EN 14825

| | Low temperature | Medium temperature |
|---|---|---|
| $\eta_s$ | 176 % | 128 % |
| Prated | 7.00 kW | 7.00 kW |
| SCOP | 4.46 | 3.27 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -15 °C |
| Pdh Tj = -7°C | 6.50 kW | 6.30 kW |
| COP Tj = -7°C | 2.95 | 1.91 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 4.00 kW | 3.80 kW |
| COP Tj = +2°C | 4.37 | 3.33 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 3.10 kW | 3.10 kW |
| COP Tj = +7°C | 5.55 | 3.90 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 3.70 kW | 3.60 kW |

| | | |
|---|---|---|
| COP Tj = 12°C | 7.86 | 6.30 |
| Cdh Tj = +12 °C | 0.96 | 0.97 |
| Pdh Tj = Tbiv | 6.50 kW | 6.30 kW |
| COP Tj = Tbiv | 2.95 | 1.91 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.50 kW | 6.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.70 | 1.95 |
| WTOL | 60 °C | 60 °C |
| Poff | 19 W | 19 W |
| PTO | 19 W | 19 W |
| PSB | 19 W | 19 W |
| PCK | 30 W | 30 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3413 kWh | 4496 kWh |

## Cooling

| **EN 14511-2** | |
|---|---|
| | **+7°C/+12°C** |
| El input | 1.99 kW |
| Cooling capacity | 6.08 |
| EER | 3.05 |

| EN 14825 | |
|---|---|
| | **+7°C/+12°C** |
| Pdesignc | 6.08 kW |
| SEER | 4.25 |
| Pdc Tj = 35°C | 6.08 kW |
| EER Tj = 35°C | 3.05 |
| Pdc Tj = 30°C | 4.49 kW |
| EER Tj = 30°C | 4.07 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.74 kW |
| EER Tj = 25°C | 4.84 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 3.02 kW |
| EER Tj = 20°C | 6.34 |
| Cdc | 1.0 |
| Poff | 19 W |
| PTO | 0 W |
| PSB | 19 W |
| PCK | 19 W |
| Annual energy consumption Qce | 857 kWh |