| Subtype Aquarea T-CAP 9-12 kW (M Series) | |
|---|---|
| Certificate Holder | Panasonic Marketing Europe GmbH |
| Address | Hagenauer Strasse 43, Wiesbaden |
| ZIP | 65203 |
| City | Wiesbaden |
| Country | DE |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title | Aquarea T-CAP 9-12 kW (M Series) |
| Registration number | 011-1W0850 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R290 |
| Mass of Refrigerant | 1.78 kg |
| Certification Date | 22.07.2024 |
| Testing basis | HP KEYMARK certification scheme rules V14 |

| Model WH-WXG09ME8 (Outdoor unit Stand-alone) | |
|---|---|
| Model name | WH-WXG09ME8 (Outdoor unit Stand-alone) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|---|---|---|
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-CME8 / WH-WXG09ME8 | |
|---|---|
| Model name | WH-CME8 / WH-WXG09ME8 |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|---|---|---|
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0316M9E82 / WH-WXG09ME8 | |
|---|---|
| Model name | WH-ADC0316M9E82 / WH-WXG09ME8 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 16147 \| Average Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Colder Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Warmer Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 132 % |
| COP | 3.30 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| 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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |

| | | |
|---|---|---|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |

| | | |
|---|---|---|
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0316M9E8AN2 / WH-WXG09ME8 | |
|---|---|
| Model name | WH-ADC0316M9E8AN2 / WH-WXG09ME8 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 16147 \| Average Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Colder Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Warmer Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 132 % |
| COP | 3.30 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| 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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |

| | | |
|---|---|---|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |

| | | |
|---|---|---|
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-SDC0316M9E8 / WH-WXG09ME8 | |
|---|---|
| Model name | WH-SDC0316M9E8 / WH-WXG09ME8 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |

| | | |
|---|---|---|
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

| EN 12102-1 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |

| | | |
|---|---|---|
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |

| | | |
|---|---|---|
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-WXG12ME8 (Outdoor unit Stand-alone) | |
|---|---|
| Model name | WH-WXG12ME8 (Outdoor unit Stand-alone) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

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

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|---|---|---|
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 172 % | 127 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.38 | 3.25 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 7.30 kW |
| COP Tj = -7°C | 3.72 | 2.69 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 5.50 kW |
| COP Tj = +2°C | 4.95 | 3.70 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 5.30 kW | 4.40 kW |
| COP Tj = +7°C | 6.21 | 4.86 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 5.95 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.13 | 1.56 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.56 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 6758 kWh | 9111 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 9.80 |
| COP Tj = -15°C (if TOL | 2.98 | 2.19 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-CME8 / WH-WXG12ME8 | |
|---|---|
| Model name | WH-CME8 / WH-WXG12ME8 |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

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

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|---|---|---|
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 172 % | 127 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.38 | 3.25 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 7.30 kW |
| COP Tj = -7°C | 3.72 | 2.69 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 5.50 kW |
| COP Tj = +2°C | 4.95 | 3.70 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 5.30 kW | 4.40 kW |
| COP Tj = +7°C | 6.21 | 4.86 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 5.95 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.13 | 1.56 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.56 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 6758 kWh | 9111 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 9.80 |
| COP Tj = -15°C (if TOL | 2.98 | 2.19 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0316M9E82 / WH-WXG12ME8 | |
|---|---|
| Model name | WH-ADC0316M9E82 / WH-WXG12ME8 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 16147 \| Average Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Colder Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Warmer Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 132 % |
| COP | 3.30 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |

| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |

| | | |
|---|---|---|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 172 % | 127 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.38 | 3.25 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 7.30 kW |
| COP Tj = -7°C | 3.72 | 2.69 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 5.50 kW |
| COP Tj = +2°C | 4.95 | 3.70 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.40 kW |
| COP Tj = +7°C | 6.21 | 4.86 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 5.95 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.13 | 1.56 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.56 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |

| | | |
|---|---|---|
| PSB | 11 W | 11 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 | 6758 kWh | 9111 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 9.80 |
| COP Tj = -15°C (if TOL | 2.98 | 2.19 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0316M9E8AN2 / WH-WXG12ME8 | |
|---|---|
| Model name | WH-ADC0316M9E8AN2 / WH-WXG12ME8 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 16147 \| Average Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Colder Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Warmer Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 132 % |
| COP | 3.30 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |

| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |

| | | |
|---|---|---|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 172 % | 127 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.38 | 3.25 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 7.30 kW |
| COP Tj = -7°C | 3.72 | 2.69 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 5.50 kW |
| COP Tj = +2°C | 4.95 | 3.70 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.40 kW |
| COP Tj = +7°C | 6.21 | 4.86 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 5.95 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.13 | 1.56 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.56 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |

| | | |
|---|---|---|
| PSB | 11 W | 11 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 | 6758 kWh | 9111 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 9.80 |
| COP Tj = -15°C (if TOL | 2.98 | 2.19 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-SDC0316M9E8 / WH-WXG12ME8 | |
|---|---|
| Model name | WH-SDC0316M9E8 / WH-WXG12ME8 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |

| | | |
|---|---|---|
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

| EN 12102-1 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

| EN 14825 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 172 % | 127 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.38 | 3.25 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 7.30 kW |
| COP Tj = -7°C | 3.72 | 2.69 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 5.50 kW |

| | | |
|---|---|---|
| COP Tj = +2°C | 4.95 | 3.70 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.40 kW |
| COP Tj = +7°C | 6.21 | 4.86 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 5.95 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.13 | 1.56 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.56 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 6758 kWh | 9111 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 9.80 |
| COP Tj = -15°C (if TOL | 2.98 | 2.19 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |

| | | |
|---|---|---|
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-WXG09ME5 (Outdoor unit Stand-alone) | |
|---|---|
| Model name | WH-WXG09ME5 (Outdoor unit Stand-alone) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|---|---|---|
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-CME5 / WH-WXG09ME5 | |
|---|---|
| Model name | WH-CME5 / WH-WXG09ME5 |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|---|---|---|
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0916M3E52 / WH-WXG09ME5 | |
|---|---|
| Model name | WH-ADC0916M3E52 / WH-WXG09ME5 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 16147 \| Average Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Colder Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Warmer Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 134 % |
| COP | 3.35 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |

| 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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |

| | | |
|---|---|---|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |

| | | |
|---|---|---|
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0916M3E5UK2 / WH-WXG09ME5 | |
|---|---|
| Model name | WH-ADC0916M3E5UK2 / WH-WXG09ME5 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |
| **General data** | |
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |
| **Outdoor Air/Water** | |
| **EN 16147 \| Average Climate** | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| **EN 16147 \| Colder Climate** | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| **EN 16147 \| Warmer Climate** | |
| Declared load profile | L |
| Efficiency ηDHW | 134 % |
| COP | 3.35 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| **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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |

| | | |
|---|---|---|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |

| | | |
|---|---|---|
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0916M3E5AN2 / WH-WXG09ME5 | |
|---|---|
| Model name | WH-ADC0916M3E5AN2 / WH-WXG09ME5 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |
| **General data** | |
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |
| **Outdoor Air/Water** | |
| **EN 16147 \| Average Climate** | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| **EN 16147 \| Colder Climate** | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| **EN 16147 \| Warmer Climate** | |
| Declared load profile | L |
| Efficiency ηDHW | 134 % |
| COP | 3.35 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| **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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |

| | | |
|---|---|---|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |

| | | |
|---|---|---|
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0916M6E52 / WH-WXG09ME5 | |
|---|---|
| Model name | WH-ADC0916M6E52 / WH-WXG09ME5 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 16147 \| Average Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Colder Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Warmer Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 134 % |
| COP | 3.35 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |

| 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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |

| | | |
|---|---|---|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |

| | | |
|---|---|---|
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-SDC0916M3E5 / WH-WXG09ME5 | |
|---|---|
| Model name | WH-SDC0916M3E5 / WH-WXG09ME5 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |

| | | |
|---|---|---|
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

| EN 12102-1 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |

| | | |
|---|---|---|
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |

| | | |
|---|---|---|
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-SDC0916M6E5 / WH-WXG09ME5 | |
|---|---|
| Model name | WH-SDC0916M6E5 / WH-WXG09ME5 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 9.00 kW | 9.00 kW |
| El input | 1.72 kW | 2.78 kW |
| COP | 5.23 | 3.24 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.49 kW | 1.71 kW |
| Cooling capacity | 9.00 | 9.00 |
| EER | 3.61 | 5.26 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 197 % | 137 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 5.00 | 3.50 |
| Tbiv | -10 °C | -10 °C |

| | | |
|---|---|---|
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.00 kW | 8.00 kW |
| COP Tj = -7°C | 3.52 | 2.49 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.90 kW | 4.90 kW |
| COP Tj = +2°C | 4.84 | 3.29 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 4.80 kW | 4.70 kW |
| COP Tj = +7°C | 6.15 | 4.42 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.80 | 5.78 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.19 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.19 | 2.17 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 3721 kWh | 5318 kWh |

| EN 12102-1 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

| EN 14825 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 175 % | 125 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 4.45 | 3.20 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.50 kW | 5.50 kW |
| COP Tj = -7°C | 3.94 | 2.66 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.30 kW | 3.80 kW |

| | | |
|---|---|---|
| COP Tj = +2°C | 4.94 | 3.60 |
| Cdh Tj = +2 °C | 0.980 | 0.980 |
| Pdh Tj = +7°C | 4.90 kW | 4.90 kW |
| COP Tj = +7°C | 6.27 | 4.80 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.80 kW | 5.70 kW |
| COP Tj = 12°C | 7.61 | 6.10 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 2.25 | 1.65 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.25 | 1.65 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 4990 kWh | 6939 kWh |
| Pdh Tj = -15°C (if TOL | 7.30 | 7.30 |
| COP Tj = -15°C (if TOL | 3.00 | 2.21 |
| Cdh Tj = -15 °C | 0.990 | 0.990 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 52 dB(A) | 52 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 250 % | 173 % |
| Prated | 9.00 kW | 9.00 kW |
| SCOP | 6.33 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.00 kW | 9.00 kW |
| COP Tj = +2°C | 3.85 | 2.67 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.80 kW | 5.80 kW |
| COP Tj = +7°C | 5.89 | 3.81 |
| Cdh Tj = +7 °C | 0.980 | 0.990 |

| | | |
|---|---|---|
| Pdh Tj = 12°C | 5.70 kW | 5.30 kW |
| COP Tj = 12°C | 7.55 | 5.54 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 9.00 kW | 9.00 kW |
| COP Tj = Tbiv | 3.85 | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW | 9.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.85 | 2.67 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.990 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 1901 kWh | 2735 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-WXG12ME5 (Outdoor unit Stand-alone) | |
|---|---|
| Model name | WH-WXG12ME5 (Outdoor unit Stand-alone) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

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

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|---|---|---|
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 172 % | 129 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.38 | 3.30 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 6.10 kW |
| COP Tj = -7°C | 3.72 | 2.81 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 3.70 kW |
| COP Tj = +2°C | 4.95 | 3.75 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.21 | 4.77 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 6.03 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 10.00 kW |
| COP Tj = Tbiv | 2.13 | 1.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 6758 kWh | 7459 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 8.20 |
| COP Tj = -15°C (if TOL | 2.98 | 2.17 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-CME5 / WH-WXG12ME5 | |
|---|---|
| Model name | WH-CME5 / WH-WXG12ME5 |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

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

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|---|---|---|
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 172 % | 129 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.38 | 3.30 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 6.10 kW |
| COP Tj = -7°C | 3.72 | 2.81 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 3.70 kW |
| COP Tj = +2°C | 4.95 | 3.75 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.21 | 4.77 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 6.03 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 10.00 kW |
| COP Tj = Tbiv | 2.13 | 1.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 6758 kWh | 7459 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 8.20 |
| COP Tj = -15°C (if TOL | 2.98 | 2.17 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0916M3E52 / WH-WXG12ME5 | |
|---|---|
| Model name | WH-ADC0916M3E52 / WH-WXG12ME5 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 16147 \| Average Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Colder Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Warmer Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 134 % |
| COP | 3.35 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |

| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

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

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |

| | | |
|---|---|---|
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

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

| EN 14825 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 172 % | 129 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.38 | 3.30 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 6.10 kW |
| COP Tj = -7°C | 3.72 | 2.81 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 3.70 kW |
| COP Tj = +2°C | 4.95 | 3.75 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.21 | 4.77 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 6.03 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 10.00 kW |
| COP Tj = Tbiv | 2.13 | 1.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 6758 kWh | 7459 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 8.20 |
| COP Tj = -15°C (if TOL | 2.98 | 2.17 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

## EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|---|---|---|
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0916M3E5UK2 / WH-WXG12ME5 | |
|---|---|
| Model name | WH-ADC0916M3E5UK2 / WH-WXG12ME5 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |
| **General data** | |
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |
| **Outdoor Air/Water** | |
| **EN 16147 \| Average Climate** | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| **EN 16147 \| Colder Climate** | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| **EN 16147 \| Warmer Climate** | |
| Declared load profile | L |
| Efficiency ηDHW | 134 % |
| COP | 3.35 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| **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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

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

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |

| | | |
|---|---|---|
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

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

| EN 14825 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 172 % | 129 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.38 | 3.30 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 6.10 kW |
| COP Tj = -7°C | 3.72 | 2.81 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 3.70 kW |
| COP Tj = +2°C | 4.95 | 3.75 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.21 | 4.77 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 6.03 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 10.00 kW |
| COP Tj = Tbiv | 2.13 | 1.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 6758 kWh | 7459 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 8.20 |
| COP Tj = -15°C (if TOL | 2.98 | 2.17 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

## EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|---|---|---|
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0916M3E5AN2 / WH-WXG12ME5 | |
|---|---|
| Model name | WH-ADC0916M3E5AN2 / WH-WXG12ME5 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 16147 \| Average Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Colder Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Warmer Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 134 % |
| COP | 3.35 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |

| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

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

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |

| | | |
|---|---|---|
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

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

| EN 14825 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 172 % | 129 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.38 | 3.30 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 6.10 kW |
| COP Tj = -7°C | 3.72 | 2.81 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 3.70 kW |
| COP Tj = +2°C | 4.95 | 3.75 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.21 | 4.77 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 6.03 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 10.00 kW |
| COP Tj = Tbiv | 2.13 | 1.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 6758 kWh | 7459 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 8.20 |
| COP Tj = -15°C (if TOL | 2.98 | 2.17 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

## EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|---|---|---|
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-ADC0916M6E52 / WH-WXG12ME5 | |
|---|---|
| Model name | WH-ADC0916M6E52 / WH-WXG12ME5 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 16147 \| Average Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 123 % |
| COP | 3.00 |
| Heating up time | 0:56 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Colder Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 88 % |
| COP | 2.20 |
| Heating up time | 0:56 h:min |
| Standby power input | 66.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |
| EN 16147 \| Warmer Climate | |
| Declared load profile | L |
| Efficiency ηDHW | 134 % |
| COP | 3.35 |
| Heating up time | 0:56 h:min |
| Standby power input | 43.0 W |
| Reference hot water temperature | 53.0 °C |
| Mixed water at 40°C | 246 l |

| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

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

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |

| | | |
|---|---|---|
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

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

| EN 14825 \| Colder Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 172 % | 129 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.38 | 3.30 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 6.10 kW |
| COP Tj = -7°C | 3.72 | 2.81 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 3.70 kW |
| COP Tj = +2°C | 4.95 | 3.75 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.21 | 4.77 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 6.03 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 10.00 kW |
| COP Tj = Tbiv | 2.13 | 1.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 6758 kWh | 7459 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 8.20 |
| COP Tj = -15°C (if TOL | 2.98 | 2.17 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

## EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|---|---|---|
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-SDC0916M3E5 / WH-WXG12ME5 | |
|---|---|
| Model name | WH-SDC0916M3E5 / WH-WXG12ME5 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

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

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|---|---|---|
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 172 % | 129 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.38 | 3.30 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 6.10 kW |
| COP Tj = -7°C | 3.72 | 2.81 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 3.70 kW |
| COP Tj = +2°C | 4.95 | 3.75 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.21 | 4.77 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 6.03 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 10.00 kW |
| COP Tj = Tbiv | 2.13 | 1.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 6758 kWh | 7459 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 8.20 |
| COP Tj = -15°C (if TOL | 2.98 | 2.17 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |

| Model WH-SDC0916M6E5 / WH-WXG12ME5 | |
|---|---|
| Model name | WH-SDC0916M6E5 / WH-WXG12ME5 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C, +18°C/+23°C |
| 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 | 12.00 kW | 12.00 kW |
| El input | 2.37 kW | 3.71 kW |
| COP | 5.06 | 3.23 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 4.21 kW | 2.80 kW |
| Cooling capacity | 12.00 | 12.00 |
| EER | 2.85 | 4.29 |

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

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.73 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|---|---|---|
| Pdh Tj = -7°C | 10.60 kW | 10.60 kW |
| COP Tj = -7°C | 2.79 | 2.22 |
| Cdh Tj = -7 °C | 1.000 | 1.000 |
| Pdh Tj = +2°C | 6.50 kW | 6.50 kW |
| COP Tj = +2°C | 4.65 | 3.65 |
| Cdh Tj = +2 °C | 0.990 | 0.990 |
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.25 | 4.57 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 6.10 kW | 5.70 kW |
| COP Tj = 12°C | 7.78 | 5.84 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 2.91 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.91 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 5244 kWh | 6792 kWh |

## EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 172 % | 129 % |
| Prated | 12.00 kW | 10.00 kW |
| SCOP | 4.38 | 3.30 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.30 kW | 6.10 kW |
| COP Tj = -7°C | 3.72 | 2.81 |
| Cdh Tj = -7 °C | 0.990 | 0.990 |
| Pdh Tj = +2°C | 4.40 kW | 3.70 kW |
| COP Tj = +2°C | 4.95 | 3.75 |
| Cdh Tj = +2 °C | 0.980 | 0.990 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 5.30 kW | 4.90 kW |
| COP Tj = +7°C | 6.21 | 4.77 |
| Cdh Tj = +7 °C | 0.980 | 0.980 |
| Pdh Tj = 12°C | 5.60 kW | 5.70 kW |
| COP Tj = 12°C | 7.54 | 6.03 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |
| Pdh Tj = Tbiv | 12.00 kW | 10.00 kW |
| COP Tj = Tbiv | 2.13 | 1.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 10.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.13 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 6758 kWh | 7459 kWh |
| Pdh Tj = -15°C (if TOL | 9.80 | 8.20 |
| COP Tj = -15°C (if TOL | 2.98 | 2.17 |
| Cdh Tj = -15 °C | 0.990 | 1.000 |

## EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level outdoor | 53 dB(A) | 53 dB(A) |

## EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 245 % | 173 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 6.20 | 4.40 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.00 kW | 12.00 kW |
| COP Tj = +2°C | 3.53 | 2.51 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 7.70 kW | 7.70 kW |
| COP Tj = +7°C | 5.62 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.70 kW | 5.60 kW |
| COP Tj = 12°C | 7.54 | 5.36 |
| Cdh Tj = +12 °C | 0.980 | 0.980 |

| | | |
|---|---|---|
| Pdh Tj = Tbiv | 12.00 kW | 12.00 kW |
| COP Tj = Tbiv | 3.53 | 2.51 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.00 kW | 12.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.53 | 2.51 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 55 °C | 55 °C |
| Poff | 11 W | 11 W |
| PTO | 18 W | 18 W |
| PSB | 11 W | 11 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 | 2586 kWh | 3647 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 9.00 kW | 9.00 kW |
| SEER | 5.34 | 7.53 |
| Pdc Tj = 35°C | 9.00 kW | 9.00 kW |
| EER Tj = 35°C | 3.61 | 5.26 |
| Cdc Tj = 35 °C | 1.000 | 0.990 |
| Pdc Tj = 30°C | 6.63 kW | 6.63 kW |
| EER Tj = 30°C | 4.72 | 6.96 |
| Cdc Tj = 30 °C | 1.000 | 0.990 |
| Pdc Tj = 25°C | 4.72 kW | 6.03 kW |
| EER Tj = 25°C | 5.95 | 8.46 |
| Cdc Tj = 25 °C | 0.990 | 0.990 |
| Pdc Tj = 20°C | 4.84 kW | 5.94 kW |
| EER Tj = 20°C | 7.18 | 10.20 |
| Cdc Tj = 20 °C | 0.990 | 0.990 |
| Poff | 11 W | 11 W |
| PTO | 7 W | 7 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 589 kWh | 419 kWh |