## Subtype Samsung EHS R32 Split 12.5kW & 16kW(WMH/TIH 200L)

| | |
|---|---|
| Certificate Holder | Samsung Electronics Air Conditioner Europe B.V. |
| Address | Evert van de Beekstraat 310 |
| ZIP | 1118 CX |
| City | Schiphol |
| Country | NL |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title | Samsung EHS R32 Split 12.5kW & 16kW(WMH/TIH 200L) |
| Registration number | 011-1W0994 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.84 kg |
| Certification Date | 07.03.2025 |
| Testing basis | HP KEYMARK certification scheme rules rev. 14 |

## Model AE125DXEDEG/EU+AE200DNXSPG/EU

| | |
|---|---|
| Model name | AE125DXEDEG/EU+AE200DNXSPG/EU |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

## General data

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

## Outdoor Air/Water

## EN 16147 | Average Climate

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 148 % |
| COP | 3.4 |
| Heating up time | 0:53 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 49 °C |
| Mixed water at 40°C | 220 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 | 12.5 kW | 12.1 kW |
| El input | 2.57 kW | 4.03 kW |
| COP | 4.86 | 3 |

## EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 186 % | 135 % |

| | | |
|---|---|---|
| Prated | 12.50 kW | 12.10 kW |
| SCOP | 4.73 | 3.46 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.06 kW | 10.70 kW |
| COP Tj = -7°C | 2.80 | 2.12 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.73 kW | 6.52 kW |
| COP Tj = +2°C | 4.46 | 3.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.33 kW | 4.19 kW |
| COP Tj = +7°C | 6.90 | 4.92 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.50 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.06 kW | 10.70 kW |
| COP Tj = Tbiv | 2.80 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.50 kW | 12.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.45 | 1.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5454 kWh | 7221 kWh |

## Model AE125DXEDEG/EU+AE200DNWSPG/EU

| | |
|---|---|
| Model name | AE125DXEDEG/EU+AE200DNWSPG/EU |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

## General data

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

## Outdoor Air/Water

## EN 16147 | Average Climate

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 148 % |
| COP | 3.4 |
| Heating up time | 0:53 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 49 °C |
| Mixed water at 40°C | 220 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 | 12.5 kW | 12.1 kW |
| El input | 2.57 kW | 4.03 kW |
| COP | 4.86 | 3 |

## EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 42 dB(A) | 44 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 186 % | 135 % |

| | | |
|---|---|---|
| Prated | 12.50 kW | 12.10 kW |
| SCOP | 4.73 | 3.46 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.06 kW | 10.70 kW |
| COP Tj = -7°C | 2.80 | 2.12 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.73 kW | 6.52 kW |
| COP Tj = +2°C | 4.46 | 3.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.33 kW | 4.19 kW |
| COP Tj = +7°C | 6.90 | 4.92 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.50 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.06 kW | 10.70 kW |
| COP Tj = Tbiv | 2.80 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.50 kW | 12.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.45 | 1.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5454 kWh | 7221 kWh |

| Model AE125DXEDEG/EU+AE160DNZSPG/EU | |
|---|---|
| Model name | AE125DXEDEG/EU+AE160DNZSPG/EU |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|

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

| EN 14511-2 \| Heating | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Heat output | 12.5 kW | 12.1 kW |
| El input | 2.57 kW | 4.03 kW |
| COP | 4.86 | 3 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 135 % |
| Prated | 12.50 kW | 12.10 kW |
| SCOP | 4.73 | 3.46 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.06 kW | 10.70 kW |
| COP Tj = -7°C | 2.80 | 2.12 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.73 kW | 6.52 kW |
| COP Tj = +2°C | 4.46 | 3.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.33 kW | 4.19 kW |
| COP Tj = +7°C | 6.90 | 4.92 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.50 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.06 kW | 10.70 kW |
| COP Tj = Tbiv | 2.80 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.50 kW | 12.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.45 | 1.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5454 kWh | 7221 kWh |

| Model AE125DXEDEG/EU+AE160DNYSPG/EU | |
|---|---|
| Model name | AE125DXEDEG/EU+AE160DNYSPG/EU |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 14511-4 \| Heating | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

| EN 14511-2 \| Heating | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Heat output | 12.5 kW | 12.1 kW |
| El input | 2.57 kW | 4.03 kW |
| COP | 4.86 | 3 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 42 dB(A) | 44 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 135 % |
| Prated | 12.50 kW | 12.10 kW |
| SCOP | 4.73 | 3.46 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.06 kW | 10.70 kW |
| COP Tj = -7°C | 2.80 | 2.12 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.73 kW | 6.52 kW |
| COP Tj = +2°C | 4.46 | 3.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.33 kW | 4.19 kW |
| COP Tj = +7°C | 6.90 | 4.92 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.50 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.06 kW | 10.70 kW |
| COP Tj = Tbiv | 2.80 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.50 kW | 12.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.45 | 1.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5454 kWh | 7221 kWh |

## Model AE125DXEDGG/EU+AE200DNXSPG/EU

| | |
|---|---|
| Model name | AE125DXEDGG/EU+AE200DNXSPG/EU |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

## General data

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

## Outdoor Air/Water

## EN 16147 | Average Climate

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 148 % |
| COP | 3.4 |
| Heating up time | 0:53 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 49 °C |
| Mixed water at 40°C | 220 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 | 12.5 kW | 12.1 kW |
| El input | 2.57 kW | 4.03 kW |
| COP | 4.86 | 3 |

## EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 186 % | 135 % |

| | | |
|---|---|---|
| Prated | 12.50 kW | 12.10 kW |
| SCOP | 4.73 | 3.46 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.06 kW | 10.70 kW |
| COP Tj = -7°C | 2.80 | 2.12 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.73 kW | 6.52 kW |
| COP Tj = +2°C | 4.46 | 3.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.33 kW | 4.19 kW |
| COP Tj = +7°C | 6.90 | 4.92 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.50 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.06 kW | 10.70 kW |
| COP Tj = Tbiv | 2.80 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.50 kW | 12.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.45 | 1.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5454 kWh | 7221 kWh |

## Model AE125DXEDGG/EU+AE200DNWSPG/EU

| | |
|---|---|
| Model name | AE125DXEDGG/EU+AE200DNWSPG/EU |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

## General data

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

## Outdoor Air/Water

## EN 16147 | Average Climate

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 148 % |
| COP | 3.4 |
| Heating up time | 0:53 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 49 °C |
| Mixed water at 40°C | 220 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 | 12.5 kW | 12.1 kW |
| El input | 2.57 kW | 4.03 kW |
| COP | 4.86 | 3 |

## EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 42 dB(A) | 42 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 186 % | 135 % |

| | | |
|---|---|---|
| Prated | 12.50 kW | 12.10 kW |
| SCOP | 4.73 | 3.46 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.06 kW | 10.70 kW |
| COP Tj = -7°C | 2.80 | 2.12 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.73 kW | 6.52 kW |
| COP Tj = +2°C | 4.46 | 3.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.33 kW | 4.19 kW |
| COP Tj = +7°C | 6.90 | 4.92 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.50 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.06 kW | 10.70 kW |
| COP Tj = Tbiv | 2.80 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.50 kW | 12.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.45 | 1.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5454 kWh | 7221 kWh |

| Model AE125DXEDGG/EU+AE160DNZSPG/EU | |
|---|---|
| Model name | AE125DXEDGG/EU+AE160DNZSPG/EU |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 14511-4 \| Heating | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

| EN 14511-2 \| Heating | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Heat output | 12.5 kW | 12.1 kW |
| El input | 2.57 kW | 4.03 kW |
| COP | 4.86 | 3 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 135 % |
| Prated | 12.50 kW | 12.10 kW |
| SCOP | 4.73 | 3.46 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.06 kW | 10.70 kW |
| COP Tj = -7°C | 2.80 | 2.12 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.73 kW | 6.52 kW |
| COP Tj = +2°C | 4.46 | 3.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.33 kW | 4.19 kW |
| COP Tj = +7°C | 6.90 | 4.92 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.50 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.06 kW | 10.70 kW |
| COP Tj = Tbiv | 2.80 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.50 kW | 12.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.45 | 1.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5454 kWh | 7221 kWh |

| Model AE125DXEDGG/EU+AE160DNYSPG/EU | |
|---|---|
| Model name | AE125DXEDGG/EU+AE160DNYSPG/EU |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 14511-4 \| Heating | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

| EN 14511-2 \| Heating | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Heat output | 12.5 kW | 12.1 kW |
| El input | 2.57 kW | 4.03 kW |
| COP | 4.86 | 3 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 42 dB(A) | 42 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 186 % | 135 % |
| Prated | 12.50 kW | 12.10 kW |
| SCOP | 4.73 | 3.46 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.06 kW | 10.70 kW |
| COP Tj = -7°C | 2.80 | 2.12 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.73 kW | 6.52 kW |
| COP Tj = +2°C | 4.46 | 3.29 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.33 kW | 4.19 kW |
| COP Tj = +7°C | 6.90 | 4.92 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.50 | 5.70 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.06 kW | 10.70 kW |
| COP Tj = Tbiv | 2.80 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.50 kW | 12.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.45 | 1.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5454 kWh | 7221 kWh |

## Model AE160DXEDEG/EU+AE200DNXSPG/EU

| | |
|---|---|
| Model name | AE160DXEDEG/EU+AE200DNXSPG/EU |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

## General data

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

## Outdoor Air/Water

## EN 16147 | Average Climate

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 148 % |
| COP | 3.4 |
| Heating up time | 0:53 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 49 °C |
| Mixed water at 40°C | 220 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 | 16 kW | 12.5 kW |
| El input | 3.52 kW | 4.24 kW |
| COP | 4.55 | 2.95 |

## EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 185 % | 135 % |

| | | |
|---|---|---|
| Prated | 13.50 kW | 12.50 kW |
| SCOP | 4.70 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.94 kW | 11.06 kW |
| COP Tj = -7°C | 2.76 | 2.10 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 7.27 kW | 6.73 kW |
| COP Tj = +2°C | 4.38 | 3.25 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.67 kW | 4.33 kW |
| COP Tj = +7°C | 7.00 | 4.98 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.70 | 5.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.94 kW | 11.06 kW |
| COP Tj = Tbiv | 2.76 | 2.10 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.50 kW | 12.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.42 | 1.75 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5930 kWh | 7481 kWh |

## Model AE160DXEDEG/EU+AE200DNWSPG/EU

| | |
|---|---|
| Model name | AE160DXEDEG/EU+AE200DNWSPG/EU |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

## General data

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

## Outdoor Air/Water

## EN 16147 | Average Climate

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 148 % |
| COP | 3.4 |
| Heating up time | 0:53 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 49 °C |
| Mixed water at 40°C | 220 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 | 16 kW | 12.5 kW |
| El input | 3.52 kW | 4.24 kW |
| COP | 4.55 | 2.95 |

## EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 42 dB(A) | 42 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 185 % | 135 % |

| | | |
|---|---|---|
| Prated | 13.50 kW | 12.50 kW |
| SCOP | 4.70 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.94 kW | 11.06 kW |
| COP Tj = -7°C | 2.76 | 2.10 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 7.27 kW | 6.73 kW |
| COP Tj = +2°C | 4.38 | 3.25 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.67 kW | 4.33 kW |
| COP Tj = +7°C | 7.00 | 4.98 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.70 | 5.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.94 kW | 11.06 kW |
| COP Tj = Tbiv | 2.76 | 2.10 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.50 kW | 12.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.42 | 1.75 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5930 kWh | 7481 kWh |

| Model AE160DXEDEG/EU+AE160DNZSPG/EU | |
|---|---|
| Model name | AE160DXEDEG/EU+AE160DNZSPG/EU |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 14511-4 \| Heating | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

| EN 14511-2 \| Heating | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Heat output | 16 kW | 12.5 kW |
| El input | 3.52 kW | 4.24 kW |
| COP | 4.55 | 2.95 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 185 % | 135 % |
| Prated | 13.50 kW | 12.50 kW |
| SCOP | 4.70 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.94 kW | 11.06 kW |
| COP Tj = -7°C | 2.76 | 2.10 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 7.27 kW | 6.73 kW |
| COP Tj = +2°C | 4.38 | 3.25 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.67 kW | 4.33 kW |
| COP Tj = +7°C | 7.00 | 4.98 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.70 | 5.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.94 kW | 11.06 kW |
| COP Tj = Tbiv | 2.76 | 2.10 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.50 kW | 12.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.42 | 1.75 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5930 kWh | 7481 kWh |

| Model AE160DXEDEG/EU+AE160DNYSPG/EU | |
|---|---|
| Model name | AE160DXEDEG/EU+AE160DNYSPG/EU |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 14511-4 \| Heating | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

| EN 14511-2 \| Heating | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Heat output | 16 kW | 12.5 kW |
| El input | 3.52 kW | 4.24 kW |
| COP | 4.55 | 2.95 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 42 dB(A) | 42 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 185 % | 135 % |
| Prated | 13.50 kW | 12.50 kW |
| SCOP | 4.70 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.94 kW | 11.06 kW |
| COP Tj = -7°C | 2.76 | 2.10 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 7.27 kW | 6.73 kW |
| COP Tj = +2°C | 4.38 | 3.25 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.67 kW | 4.33 kW |
| COP Tj = +7°C | 7.00 | 4.98 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.70 | 5.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.94 kW | 11.06 kW |
| COP Tj = Tbiv | 2.76 | 2.10 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.50 kW | 12.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.42 | 1.75 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5930 kWh | 7481 kWh |

## Model AE160DXEDGG/EU+AE200DNXSPG/EU

| | |
|---|---|
| Model name | AE160DXEDGG/EU+AE200DNXSPG/EU |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

## General data

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

## Outdoor Air/Water

## EN 16147 | Average Climate

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 148 % |
| COP | 3.4 |
| Heating up time | 0:53 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 49 °C |
| Mixed water at 40°C | 220 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 | 16 kW | 12.5 kW |
| El input | 3.52 kW | 4.24 kW |
| COP | 4.55 | 2.95 |

## EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 185 % | 135 % |

| | | |
|---|---|---|
| Prated | 13.50 kW | 12.50 kW |
| SCOP | 4.70 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.94 kW | 11.06 kW |
| COP Tj = -7°C | 2.76 | 2.10 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 7.27 kW | 6.73 kW |
| COP Tj = +2°C | 4.38 | 3.25 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.67 kW | 4.33 kW |
| COP Tj = +7°C | 7.00 | 4.98 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.70 | 5.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.94 kW | 11.06 kW |
| COP Tj = Tbiv | 2.76 | 2.10 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.50 kW | 12.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.42 | 1.75 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5930 kWh | 7481 kWh |

## Model AE160DXEDGG/EU+AE200DNWSPG/EU

| | |
|---|---|
| Model name | AE160DXEDGG/EU+AE200DNWSPG/EU |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

## General data

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

## Outdoor Air/Water

## EN 16147 | Average Climate

| | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 148 % |
| COP | 3.4 |
| Heating up time | 0:53 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 49 °C |
| Mixed water at 40°C | 220 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 | 16 kW | 12.5 kW |
| El input | 3.52 kW | 4.24 kW |
| COP | 4.55 | 2.95 |

## EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 42 dB(A) | 42 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 185 % | 135 % |

| | | |
|---|---|---|
| Prated | 13.50 kW | 12.50 kW |
| SCOP | 4.70 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.94 kW | 11.06 kW |
| COP Tj = -7°C | 2.76 | 2.10 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 7.27 kW | 6.73 kW |
| COP Tj = +2°C | 4.38 | 3.25 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.67 kW | 4.33 kW |
| COP Tj = +7°C | 7.00 | 4.98 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.70 | 5.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.94 kW | 11.06 kW |
| COP Tj = Tbiv | 2.76 | 2.10 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.50 kW | 12.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.42 | 1.75 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5930 kWh | 7481 kWh |

| Model AE160DXEDGG/EU+AE160DNZSPG/EU | |
|---|---|
| Model name | AE160DXEDGG/EU+AE160DNZSPG/EU |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 14511-4 \| Heating | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

| EN 14511-2 \| Heating | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Heat output | 16 kW | 12.5 kW |
| El input | 3.52 kW | 4.24 kW |
| COP | 4.55 | 2.95 |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 185 % | 135 % |
| Prated | 13.50 kW | 12.50 kW |
| SCOP | 4.70 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.94 kW | 11.06 kW |
| COP Tj = -7°C | 2.76 | 2.10 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 7.27 kW | 6.73 kW |
| COP Tj = +2°C | 4.38 | 3.25 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.67 kW | 4.33 kW |
| COP Tj = +7°C | 7.00 | 4.98 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.70 | 5.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.94 kW | 11.06 kW |
| COP Tj = Tbiv | 2.76 | 2.10 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.50 kW | 12.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.42 | 1.75 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5930 kWh | 7481 kWh |

| Model AE160DXEDGG/EU+AE160DNYSPG/EU | |
|---|---|
| Model name | AE160DXEDGG/EU+AE160DNYSPG/EU |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|

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

| EN 14511-2 \| Heating | Low temperature | Medium temperature |
|---|---|---|
| Heat output | 16 kW | 12.5 kW |
| El input | 3.52 kW | 4.24 kW |
| COP | 4.55 | 2.95 |

| EN 12102-1 \| Average Climate | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 42 dB(A) | 42 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 \| Average Climate | Low temperature | Medium temperature |
|---|---|---|
| ηs | 185 % | 135 % |
| Prated | 13.50 kW | 12.50 kW |
| SCOP | 4.70 | 3.45 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.94 kW | 11.06 kW |
| COP Tj = -7°C | 2.76 | 2.10 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 7.27 kW | 6.73 kW |
| COP Tj = +2°C | 4.38 | 3.25 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |

| | | |
|---|---|---|
| Pdh Tj = +7°C | 4.67 kW | 4.33 kW |
| COP Tj = +7°C | 7.00 | 4.98 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.40 kW | 4.10 kW |
| COP Tj = 12°C | 8.70 | 5.90 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 11.94 kW | 11.06 kW |
| COP Tj = Tbiv | 2.76 | 2.10 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 13.50 kW | 12.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.42 | 1.75 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 65 °C | 65 °C |
| Poff | 22 W | 22 W |
| PTO | 50 W | 50 W |
| PSB | 22 W | 22 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 | 5930 kWh | 7481 kWh |