

Subtype Samsung EHS R290 Mono 12kW & 16kW (space heating/ 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 R290 Mono 12kW & 16kW (space heating/ 200L) |
| Registration number | 011-1W0685 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R290 |
| Mass of Refrigerant | 1.25 kg |
| Certification Date | 26.09.2023 |
| Testing basis | European KEYMARK Scheme for Heat Pumps Rev. 12 (as of 2023-03) |

Model AE120CXYDEK/EU + MIM-E03EN

| | |
|-------------------------------------|----------------------------|
| Model name | AE120CXYDEK/EU + MIM-E03EN |
| Application | Heating (medium temp) |
| Units | 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 | 12.00 kW | 12.00 kW |
| El input | 2.50 kW | 4.00 kW |
| COP | 4.80 | 3.00 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 193 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.90 | 3.65 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.62 kW | 10.60 kW |
| COP Tj = -7°C | 2.95 | 2.15 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.46 kW | 6.46 kW |
| COP Tj = +2°C | 4.83 | 3.60 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.15 kW | 4.20 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 6.50 | 4.88 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.15 kW | 4.20 kW |
| COP Tj = 12°C | 8.00 | 5.95 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 10.60 kW | 10.60 kW |
| COP Tj = Tbiv | 2.95 | 2.15 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.62 kW | 11.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.46 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.40 kW | 0.50 kW |
| Annual energy consumption Qhe | 5051 kWh | 6784 kWh |

Model AE160CXYDEK/EU+ MIM-E03EN

| | |
|-------------------------------------|---------------------------|
| Model name | AE160CXYDEK/EU+ MIM-E03EN |
| Application | Heating (medium temp) |
| Units | 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 | 16.00 kW | 16.00 kW |
| El input | 3.55 kW | 5.52 kW |
| COP | 4.51 | 2.90 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 65 dB(A) | 65 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 185 % | 139 % |
| Prated | 15.50 kW | 14.50 kW |
| SCOP | 4.70 | 3.55 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 13.71 kW | 12.80 kW |
| COP Tj = -7°C | 2.50 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 8.35 kW | 7.81 kW |
| COP Tj = +2°C | 4.52 | 3.41 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 5.37 kW | 5.00 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 7.10 | 5.13 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.20 kW | 4.20 kW |
| COP Tj = 12°C | 9.00 | 6.58 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 13.71 kW | 12.80 kW |
| COP Tj = Tbiv | 2.50 | 2.00 |
| 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 | 2.31 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.00 kW | 2.00 kW |
| Annual energy consumption Qhe | 6793 kWh | 8403 kWh |

Model AE120CXYDEK/EU + AE200CNWMEG/EU

| | |
|-------------------------------------|---------------------------------|
| Model name | AE120CXYDEK/EU + AE200CNWMEG/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 η_{DHW} | 115 % |
| COP | 2.65 |
| Heating up time | 1:00 h:min |
| Standby power input | 75.0 W |
| Reference hot water temperature | 52.1 °C |
| Mixed water at 40°C | 210 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 | 2.50 kW | 4.00 kW |
| COP | 4.80 | 3.00 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 193 % | 143 % |

| | | |
|---|-------------|-------------|
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.90 | 3.65 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.62 kW | 10.60 kW |
| COP Tj = -7°C | 2.95 | 2.15 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.46 kW | 6.46 kW |
| COP Tj = +2°C | 4.83 | 3.60 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.15 kW | 4.20 kW |
| COP Tj = +7°C | 6.50 | 4.88 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.15 kW | 4.20 kW |
| COP Tj = 12°C | 8.00 | 5.95 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 10.60 kW | 10.60 kW |
| COP Tj = Tbiv | 2.95 | 2.15 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.62 kW | 11.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.46 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.40 kW | 0.50 kW |
| Annual energy consumption Qhe | 5051 kWh | 6784 kWh |

Model AE160CXYDEK/EU + AE200CNWMEG/EU

| | |
|-------------------------------------|---------------------------------|
| Model name | AE160CXYDEK/EU + AE200CNWMEG/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 η_{DHW} | 115 % |
| COP | 2.65 |
| Heating up time | 1:00 h:min |
| Standby power input | 75.0 W |
| Reference hot water temperature | 52.1 °C |
| Mixed water at 40°C | 210 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 | 16.00 kW | 16.00 kW |
| El input | 3.55 kW | 4.57 kW |
| COP | 4.51 | 3.50 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 185 % | 139 % |

| | | |
|---|-------------|-------------|
| Prated | 15.50 kW | 14.50 kW |
| SCOP | 4.70 | 3.55 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 13.71 kW | 12.80 kW |
| COP Tj = -7°C | 2.50 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 8.35 kW | 7.81 kW |
| COP Tj = +2°C | 4.52 | 3.41 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 5.37 kW | 5.00 kW |
| COP Tj = +7°C | 7.10 | 5.13 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.20 kW | 4.20 kW |
| COP Tj = 12°C | 9.00 | 6.58 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 13.71 kW | 12.80 kW |
| COP Tj = Tbiv | 2.50 | 2.00 |
| 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 | 2.31 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.00 kW | 2.00 kW |
| Annual energy consumption Qhe | 6793 kWh | 8403 kWh |

| Model AE120CXYBEK/EU | | |
|--|-----------------------|--------------------|
| Model name | AE120CXYBEK/EU | |
| Application | Heating (medium temp) | |
| Units | 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 | 12.00 kW | 12.00 kW |
| El input | 2.50 kW | 4.00 kW |
| COP | 4.80 | 3.00 |
| EN 12102-1 Average Climate | | |
| | Low temperature | Medium temperature |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |
| EN 14825 Average Climate | | |
| | Low temperature | Medium temperature |
| ηs | 193 % | 143 % |
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.90 | 3.65 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.62 kW | 10.60 kW |
| COP Tj = -7°C | 2.95 | 2.15 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.46 kW | 6.46 kW |
| COP Tj = +2°C | 4.83 | 3.60 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.15 kW | 4.20 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 6.50 | 4.88 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.15 kW | 4.20 kW |
| COP Tj = 12°C | 8.00 | 5.95 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 10.60 kW | 10.60 kW |
| COP Tj = Tbiv | 2.95 | 2.15 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.62 kW | 11.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.46 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.40 kW | 0.50 kW |
| Annual energy consumption Qhe | 5051 kWh | 6784 kWh |

| | | |
|--|-----------------------|--------------------|
| Model AE160CXYBEK/EU | | |
| Model name | AE160CXYBEK/EU | |
| Application | Heating (medium temp) | |
| Units | 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 | 16.00 kW | 16.00 kW |
| El input | 3.55 kW | 5.52 kW |
| COP | 4.51 | 2.90 |
| EN 12102-1 Average Climate | | |
| | Low temperature | Medium temperature |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) |
| EN 14825 Average Climate | | |
| | Low temperature | Medium temperature |
| ηs | 185 % | 139 % |
| Prated | 15.50 kW | 14.50 kW |
| SCOP | 4.70 | 3.55 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 13.71 kW | 12.80 kW |
| COP Tj = -7°C | 2.50 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 8.35 kW | 7.81 kW |
| COP Tj = +2°C | 4.52 | 3.41 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 5.37 kW | 5.00 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 7.10 | 5.13 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.20 kW | 4.20 kW |
| COP Tj = 12°C | 9.00 | 6.58 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 13.71 kW | 12.80 kW |
| COP Tj = Tbiv | 2.50 | 2.00 |
| 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 | 2.31 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.00 kW | 2.00 kW |
| Annual energy consumption Qhe | 6793 kWh | 8403 kWh |

Model AE120CXYDEK/EU + AE200RNWMEG/EU

| | |
|-------------------------------------|---------------------------------|
| Model name | AE120CXYDEK/EU + AE200RNWMEG/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 η_{DHW} | 115 % |
| COP | 2.65 |
| Heating up time | 1:00 h:min |
| Standby power input | 75.0 W |
| Reference hot water temperature | 52.1 °C |
| Mixed water at 40°C | 210 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 | 2.50 kW | 4.00 kW |
| COP | 4.80 | 3.00 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 193 % | 143 % |

| | | |
|---|-------------|-------------|
| Prated | 12.00 kW | 12.00 kW |
| SCOP | 4.90 | 3.65 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.62 kW | 10.60 kW |
| COP Tj = -7°C | 2.95 | 2.15 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 6.46 kW | 6.46 kW |
| COP Tj = +2°C | 4.83 | 3.60 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 4.15 kW | 4.20 kW |
| COP Tj = +7°C | 6.50 | 4.88 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.15 kW | 4.20 kW |
| COP Tj = 12°C | 8.00 | 5.95 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 10.60 kW | 10.60 kW |
| COP Tj = Tbiv | 2.95 | 2.15 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.62 kW | 11.50 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.46 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.40 kW | 0.50 kW |
| Annual energy consumption Qhe | 5051 kWh | 6784 kWh |

Model AE160CXYDEK/EU + AE200RNWMEG/EU

| | |
|-------------------------------------|---------------------------------|
| Model name | AE160CXYDEK/EU + AE200RNWMEG/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 η_{DHW} | 115 % |
| COP | 2.65 |
| Heating up time | 1:00 h:min |
| Standby power input | 75.0 W |
| Reference hot water temperature | 52.1 °C |
| Mixed water at 40°C | 210 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 | 16.00 kW | 16.00 kW |
| El input | 3.55 kW | 5.52 kW |
| COP | 4.51 | 2.90 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 65 dB(A) | 65 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 185 % | 139 % |

| | | |
|---|-------------|-------------|
| Prated | 15.50 kW | 14.50 kW |
| SCOP | 4.70 | 3.55 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 13.71 kW | 12.80 kW |
| COP Tj = -7°C | 2.50 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 8.35 kW | 7.81 kW |
| COP Tj = +2°C | 4.52 | 3.41 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 5.37 kW | 5.00 kW |
| COP Tj = +7°C | 7.10 | 5.13 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 4.20 kW | 4.20 kW |
| COP Tj = 12°C | 9.00 | 6.58 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 13.71 kW | 12.80 kW |
| COP Tj = Tbiv | 2.50 | 2.00 |
| 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 | 2.31 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 75 °C | 75 °C |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.00 kW | 2.00 kW |
| Annual energy consumption Qhe | 6793 kWh | 8403 kWh |