

Subtype Ecodan Power Inverter 8.5/9/11.5-200E Packaged R290

| | |
|---------------------|---|
| Certificate Holder | Mitsubishi Electric Air Conditioning Systems Europe LTD |
| Address | Nettlehill Road, Houston Industrial Estate |
| ZIP | EH54 5EQ |
| City | Livingston |
| Country | GB |
| Certification Body | SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise) |
| Subtype title | Ecodan Power Inverter 8.5/9/11.5-200E Packaged R290 |
| Registration number | 037-159-25 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R290 |
| Mass of Refrigerant | 0.6 kg |
| Certification Date | 25.02.2025 |
| Testing basis | HP Keymark certification scheme rules rev. no.13 |
| Testing laboratory | SZU Brno, CZ |

Model PUZ-WZ85VAA(-BS) + EHPT20X-MEHEW

| | |
|-------------------------------------|----------------------------------|
| Model name | PUZ-WZ85VAA(-BS) + EHPT20X-MEHEW |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer |
| Heat Source | Outdoor Air |
| 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} | 137 % |
| COP | 3.22 |
| Heating up time | 2:18 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 179 % | 141 % |

| | | |
|---|-------------|-------------|
| Prated | 8 kW | 8 kW |
| SCOP | 4.54 | 3.59 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3640 kWh | 4604 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| ηs | 222 % | 171 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.62 | 4.36 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1902 kWh | 2453 kWh |

Model PUZ-WZ85VAA(-BS) + EHPT20X-*M*E

| | |
|-------------------------------------|---------------------------------|
| Model name | PUZ-WZ85VAA(-BS) + EHPT20X-*M*E |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer |
| Heat Source | Outdoor Air |
| 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} | 137 % |
| COP | 3.22 |
| Heating up time | 2:18 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 179 % | 141 % |

| | | |
|---|-------------|-------------|
| Prated | 8 kW | 8 kW |
| SCOP | 4.54 | 3.59 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3640 kWh | 4604 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| ηs | 222 % | 171 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.62 | 4.36 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1902 kWh | 2453 kWh |

Model PUZ-WZ85VAA(-BS) + ERPT20X-*M*E

| | |
|-------------------------------------|---------------------------------|
| Model name | PUZ-WZ85VAA(-BS) + ERPT20X-*M*E |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer |
| Heat Source | Outdoor Air |
| 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 η_{DHW} | 137 % |
| COP | 3.22 |
| Heating up time | 2:18 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |

| | | |
|---|---------|---------|
| EER $T_j = 20^{\circ}\text{C}$ | 4.92 | 7.46 |
| Cdc $T_j = 20^{\circ}\text{C}$ | 0.963 | 0.961 |
| P _{off} | 22 W | 22 W |
| P _{TO} | 22 W | 22 W |
| P _{SB} | 22 W | 22 W |
| P _{CK} | 0 W | 0 W |
| Annual energy consumption Q _{ce} | 729 kWh | 532 kWh |

Model PUZ-WZ85VAA(-BS) + ERPX-ME

| | |
|-------------------------------------|----------------------------|
| Model name | PUZ-WZ85VAA(-BS) + ERPX-ME |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
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| Pdh Tj = Tbiv | 8 kW | 8 kW |
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| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |
| EER Tj = 20°C | 4.92 | 7.46 |
| Cdc Tj = 20 °C | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ85VAA(-BS) + ERPX-*M*E

| | |
|-------------------------------------|------------------------------|
| Model name | PUZ-WZ85VAA(-BS) + ERPX-*M*E |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |
| EER Tj = 20°C | 4.92 | 7.46 |
| Cdc Tj = 20 °C | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ85VAA(-BS)

| | |
|-------------------------------------|------------------------|
| Model name | PUZ-WZ85VAA(-BS) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |
| EER Tj = 20°C | 4.92 | 7.46 |
| Cdc Tj = 20 °C | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ85YAA(-BS) + EHPT20X-MEHEW

| | |
|-------------------------------------|----------------------------------|
| Model name | PUZ-WZ85YAA(-BS) + EHPT20X-MEHEW |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer |
| Heat Source | Outdoor Air |
| 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 η_{DHW} | 137 % |
| COP | 3.22 |
| Heating up time | 2:18 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 179 % | 141 % |

| | | |
|---|-------------|-------------|
| Prated | 8 kW | 8 kW |
| SCOP | 4.54 | 3.59 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3640 kWh | 4604 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_s | 222 % | 171 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.62 | 4.36 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1902 kWh | 2453 kWh |

Model PUZ-WZ85YAA(-BS) + EHPT20X-*M*E

| | |
|-------------------------------------|---------------------------------|
| Model name | PUZ-WZ85YAA(-BS) + EHPT20X-*M*E |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer |
| Heat Source | Outdoor Air |
| 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 η_{DHW} | 137 % |
| COP | 3.22 |
| Heating up time | 2:18 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 179 % | 141 % |

| | | |
|---|-------------|-------------|
| Prated | 8 kW | 8 kW |
| SCOP | 4.54 | 3.59 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3640 kWh | 4604 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| ηs | 222 % | 171 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.62 | 4.36 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1902 kWh | 2453 kWh |

Model PUZ-WZ85YAA(-BS) + ERPT20X-*M*E

| | |
|-------------------------------------|---------------------------------|
| Model name | PUZ-WZ85YAA(-BS) + ERPT20X-*M*E |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer |
| Heat Source | Outdoor Air |
| 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 η_{DHW} | 137 % |
| COP | 3.22 |
| Heating up time | 2:18 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |

| | | |
|--------------------------------|---------|---------|
| EER $T_j = 20^{\circ}\text{C}$ | 4.92 | 7.46 |
| Cdc $T_j = 20^{\circ}\text{C}$ | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ85YAA(-BS) + ERPX-ME

| | |
|-------------------------------------|----------------------------|
| Model name | PUZ-WZ85YAA(-BS) + ERPX-ME |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |
| EER Tj = 20°C | 4.92 | 7.46 |
| Cdc Tj = 20 °C | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ85YAA(-BS) + ERPX-*M*E

| | |
|-------------------------------------|------------------------------|
| Model name | PUZ-WZ85YAA(-BS) + ERPX-*M*E |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |
| EER Tj = 20°C | 4.92 | 7.46 |
| Cdc Tj = 20 °C | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ85YAA(-BS)

| | |
|-------------------------------------|------------------------|
| Model name | PUZ-WZ85YAA(-BS) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 5.31 kW | 8.5 kW |
| El input | 1.11 kW | 2.91 kW |
| COP | 4.8 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |
| EER Tj = 20°C | 4.92 | 7.46 |
| Cdc Tj = 20 °C | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ90VAA-W(-BS) + ERPT20X-*M*E

| | |
|-------------------------------------|-----------------------------------|
| Model name | PUZ-WZ90VAA-W(-BS) + ERPT20X-*M*E |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer |
| Heat Source | Outdoor Air |
| 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 η_{DHW} | 137 % |
| COP | 3.22 |
| Heating up time | 2:18 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 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 | 8.5 kW | 8.5 kW |
| El input | 1.97 kW | 2.91 kW |
| COP | 4.32 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |

| | | |
|--------------------------------|---------|---------|
| EER $T_j = 20^{\circ}\text{C}$ | 4.92 | 7.46 |
| Cdc $T_j = 20^{\circ}\text{C}$ | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ90VAA-W(-BS) + ERPX-*M*E

| | |
|-------------------------------------|--------------------------------|
| Model name | PUZ-WZ90VAA-W(-BS) + ERPX-*M*E |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 8.5 kW | 8.5 kW |
| El input | 1.97 kW | 2.91 kW |
| COP | 4.32 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |
| EER Tj = 20°C | 4.92 | 7.46 |
| Cdc Tj = 20 °C | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ90VAA-W(-BS)

| | |
|-------------------------------------|------------------------|
| Model name | PUZ-WZ90VAA-W(-BS) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 8.5 kW | 8.5 kW |
| El input | 1.97 kW | 2.91 kW |
| COP | 4.32 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |
| EER Tj = 20°C | 4.92 | 7.46 |
| Cdc Tj = 20 °C | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ90YAA-W(-BS) + ERPT20X-*M*E

| | |
|-------------------------------------|-----------------------------------|
| Model name | PUZ-WZ90YAA-W(-BS) + ERPT20X-*M*E |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer |
| Heat Source | Outdoor Air |
| 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 η_{DHW} | 137 % |
| COP | 3.22 |
| Heating up time | 2:18 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 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 | 8.5 kW | 8.5 kW |
| El input | 1.97 kW | 2.91 kW |
| COP | 4.32 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |

| | | |
|--------------------------------|---------|---------|
| EER $T_j = 20^{\circ}\text{C}$ | 4.92 | 7.46 |
| Cdc $T_j = 20^{\circ}\text{C}$ | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ90YAA-W(-BS) + ERPX-*M*E

| | |
|-------------------------------------|--------------------------------|
| Model name | PUZ-WZ90YAA-W(-BS) + ERPX-*M*E |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 8.5 kW | 8.5 kW |
| El input | 1.97 kW | 2.91 kW |
| COP | 4.32 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |
| EER Tj = 20°C | 4.92 | 7.46 |
| Cdc Tj = 20 °C | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ90YAA-W(-BS)

| | |
|-------------------------------------|------------------------|
| Model name | PUZ-WZ90YAA-W(-BS) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 8.5 kW | 8.5 kW |
| El input | 1.97 kW | 2.91 kW |
| COP | 4.32 | 2.92 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.52 kW | 1.08 kW |
| Cooling capacity | 5 | 5 |
| EER | 3.3 | 4.61 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 183 % | 143 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.64 | 3.65 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.08 kW | 7.08 kW |
| COP Tj = -7°C | 2.96 | 2.17 |
| Cdh Tj = -7 °C | 0.991 | 0.993 |
| Pdh Tj = +2°C | 4.31 kW | 4.31 kW |
| COP Tj = +2°C | 4.67 | 3.51 |
| Cdh Tj = +2 °C | 0.976 | 0.982 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.51 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 7.08 kW | 7.08 kW |
| COP Tj = Tbiv | 2.96 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.5 kW | 7.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.85 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 0.5 kW | 0.5 kW |
| Annual energy consumption Qhe | 3559 kWh | 4524 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 234 % | 178 % |
| Prated | 8 kW | 8 kW |
| SCOP | 5.92 | 4.54 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 8 kW | 8 kW |
| COP Tj = +2°C | 3.3 | 2.24 |
| Cdh Tj = +2 °C | 0.991 | 0.994 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 5.14 kW | 5.14 kW |
| COP Tj = +7°C | 5.98 | 3.99 |
| Cdh Tj = +7 °C | 0.974 | 0.983 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.64 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 8 kW | 8 kW |
| COP Tj = Tbiv | 3.3 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8 kW | 8 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.3 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.991 | 0.994 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 1805 kWh | 2356 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 5 kW | 5 kW |
| SEER | 4.12 | 5.64 |
| Pdc Tj = 35°C | 5 kW | 5 kW |
| EER Tj = 35°C | 3.3 | 4.61 |
| Cdc Tj = 35 °C | 0.985 | 0.98 |
| Pdc Tj = 30°C | 3.68 kW | 3.68 kW |
| EER Tj = 30°C | 4.38 | 5.53 |
| Cdc Tj = 30 °C | 0.974 | 0.967 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.55 | 6.81 |
| Cdc Tj = 25 °C | 0.968 | 0.962 |
| Pdc Tj = 20°C | 2.93 kW | 4.2 kW |
| EER Tj = 20°C | 4.92 | 7.46 |
| Cdc Tj = 20 °C | 0.963 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 729 kWh | 532 kWh |

Model PUZ-WZ115VAA-W(-BS) + ERPT20X-*M*E

| | |
|-------------------------------------|------------------------------------|
| Model name | PUZ-WZ115VAA-W(-BS) + ERPT20X-*M*E |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer |
| Heat Source | Outdoor Air |
| 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 η_{DHW} | 137 % |
| COP | 3.22 |
| Heating up time | 2:18 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 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 | 9.5 kW | 9.5 kW |
| El input | 2.29 kW | 3.37 kW |
| COP | 4.15 | 2.82 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2 kW | 1.63 kW |
| Cooling capacity | 6 | 6.5 |
| EER | 3 | 4 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 181 % | 142 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 4.59 | 3.63 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.4 kW | 8.4 kW |
| COP Tj = -7°C | 2.91 | 1.99 |
| Cdh Tj = -7 °C | 0.992 | 0.995 |
| Pdh Tj = +2°C | 5.12 kW | 5.12 kW |
| COP Tj = +2°C | 4.6 | 3.58 |
| Cdh Tj = +2 °C | 0.98 | 0.985 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.5 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 8.4 kW | 8.4 kW |
| COP Tj = Tbiv | 2.91 | 1.99 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.6 kW | 7.3 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.74 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 1.9 kW | 2.2 kW |
| Annual energy consumption Qhe | 4276 kWh | 5410 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 219 % | 177 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 5.56 | 4.51 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.5 kW | 9.5 kW |
| COP Tj = +2°C | 3.08 | 2.16 |
| Cdh Tj = +2 °C | 0.993 | 0.995 |
| Pdh Tj = +7°C | 6.11 kW | 6.11 kW |
| COP Tj = +7°C | 5.09 | 3.91 |
| Cdh Tj = +7 °C | 0.982 | 0.986 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.73 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 9.5 kW | 9.5 kW |
| COP Tj = Tbiv | 3.08 | 2.16 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.5 kW | 9.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.08 | 2.16 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 2283 kWh | 2817 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 6 kW | 6.5 kW |
| SEER | 4.12 | 5.62 |
| Pdc Tj = 35°C | 6 kW | 6.5 kW |
| EER Tj = 35°C | 3 | 4 |
| Cdc Tj = 35 °C | 0.989 | 0.986 |
| Pdc Tj = 30°C | 4.42 kW | 4.79 kW |
| EER Tj = 30°C | 3.85 | 4.8 |
| Cdc Tj = 30 °C | 0.981 | 0.978 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.82 | 7.01 |
| Cdc Tj = 25 °C | 0.966 | 0.961 |
| Pdc Tj = 20°C | 2.93 kW | 4.28 kW |

| | | |
|---|---------|---------|
| EER $T_j = 20^{\circ}\text{C}$ | 5 | 7.58 |
| Cdc $T_j = 20^{\circ}\text{C}$ | 0.962 | 0.961 |
| P _{off} | 22 W | 22 W |
| P _{TO} | 22 W | 22 W |
| P _{SB} | 22 W | 22 W |
| P _{CK} | 0 W | 0 W |
| Annual energy consumption Q _{ce} | 873 kWh | 694 kWh |

Model PUZ-WZ115VAA-W(-BS) + ERPX-*M*E

| | |
|-------------------------------------|---------------------------------|
| Model name | PUZ-WZ115VAA-W(-BS) + ERPX-*M*E |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 9.5 kW | 9.5 kW |
| El input | 2.29 kW | 3.37 kW |
| COP | 4.15 | 2.82 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2 kW | 1.63 kW |
| Cooling capacity | 6 | 6.5 |
| EER | 3 | 4 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 181 % | 142 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 4.59 | 3.63 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.4 kW | 8.4 kW |
| COP Tj = -7°C | 2.91 | 1.99 |
| Cdh Tj = -7 °C | 0.992 | 0.995 |
| Pdh Tj = +2°C | 5.12 kW | 5.12 kW |
| COP Tj = +2°C | 4.6 | 3.58 |
| Cdh Tj = +2 °C | 0.98 | 0.985 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.5 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 8.4 kW | 8.4 kW |
| COP Tj = Tbiv | 2.91 | 1.99 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.6 kW | 7.3 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.74 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 1.9 kW | 2.2 kW |
| Annual energy consumption Qhe | 4276 kWh | 5410 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 219 % | 177 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 5.56 | 4.51 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.5 kW | 9.5 kW |
| COP Tj = +2°C | 3.08 | 2.16 |
| Cdh Tj = +2 °C | 0.993 | 0.995 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 6.11 kW | 6.11 kW |
| COP Tj = +7°C | 5.09 | 3.91 |
| Cdh Tj = +7 °C | 0.982 | 0.986 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.73 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 9.5 kW | 9.5 kW |
| COP Tj = Tbiv | 3.08 | 2.16 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.5 kW | 9.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.08 | 2.16 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 2283 kWh | 2817 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 6 kW | 6.5 kW |
| SEER | 4.12 | 5.62 |
| Pdc Tj = 35°C | 6 kW | 6.5 kW |
| EER Tj = 35°C | 3 | 4 |
| Cdc Tj = 35 °C | 0.989 | 0.986 |
| Pdc Tj = 30°C | 4.42 kW | 4.79 kW |
| EER Tj = 30°C | 3.85 | 4.8 |
| Cdc Tj = 30 °C | 0.981 | 0.978 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.82 | 7.01 |
| Cdc Tj = 25 °C | 0.966 | 0.961 |
| Pdc Tj = 20°C | 2.93 kW | 4.28 kW |
| EER Tj = 20°C | 5 | 7.58 |
| Cdc Tj = 20 °C | 0.962 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 873 kWh | 694 kWh |

Model PUZ-WZ115VAA-W(-BS)

| | |
|-------------------------------------|------------------------|
| Model name | PUZ-WZ115VAA-W(-BS) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 9.5 kW | 9.5 kW |
| El input | 2.29 kW | 3.37 kW |
| COP | 4.15 | 2.82 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2 kW | 1.63 kW |
| Cooling capacity | 6 | 6.5 |
| EER | 3 | 4 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 181 % | 142 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 4.59 | 3.63 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.4 kW | 8.4 kW |
| COP Tj = -7°C | 2.91 | 1.99 |
| Cdh Tj = -7 °C | 0.992 | 0.995 |
| Pdh Tj = +2°C | 5.12 kW | 5.12 kW |
| COP Tj = +2°C | 4.6 | 3.58 |
| Cdh Tj = +2 °C | 0.98 | 0.985 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.5 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 8.4 kW | 8.4 kW |
| COP Tj = Tbiv | 2.91 | 1.99 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.6 kW | 7.3 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.74 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 1.9 kW | 2.2 kW |
| Annual energy consumption Qhe | 4276 kWh | 5410 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 219 % | 177 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 5.56 | 4.51 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.5 kW | 9.5 kW |
| COP Tj = +2°C | 3.08 | 2.16 |
| Cdh Tj = +2 °C | 0.993 | 0.995 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 6.11 kW | 6.11 kW |
| COP Tj = +7°C | 5.09 | 3.91 |
| Cdh Tj = +7 °C | 0.982 | 0.986 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.73 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 9.5 kW | 9.5 kW |
| COP Tj = Tbiv | 3.08 | 2.16 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.5 kW | 9.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.08 | 2.16 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 2283 kWh | 2817 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 6 kW | 6.5 kW |
| SEER | 4.12 | 5.62 |
| Pdc Tj = 35°C | 6 kW | 6.5 kW |
| EER Tj = 35°C | 3 | 4 |
| Cdc Tj = 35 °C | 0.989 | 0.986 |
| Pdc Tj = 30°C | 4.42 kW | 4.79 kW |
| EER Tj = 30°C | 3.85 | 4.8 |
| Cdc Tj = 30 °C | 0.981 | 0.978 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.82 | 7.01 |
| Cdc Tj = 25 °C | 0.966 | 0.961 |
| Pdc Tj = 20°C | 2.93 kW | 4.28 kW |
| EER Tj = 20°C | 5 | 7.58 |
| Cdc Tj = 20 °C | 0.962 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 873 kWh | 694 kWh |

Model PUZ-WZ115YAA-W(-BS) + ERPT20X-*M*E

| | |
|-------------------------------------|------------------------------------|
| Model name | PUZ-WZ115YAA-W(-BS) + ERPT20X-*M*E |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer |
| Heat Source | Outdoor Air |
| 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 η_{DHW} | 137 % |
| COP | 3.22 |
| Heating up time | 2:18 h:min |
| Standby power input | 45 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 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 | 9.5 kW | 9.5 kW |
| El input | 2.29 kW | 3.37 kW |
| COP | 4.15 | 2.82 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2 kW | 1.63 kW |
| Cooling capacity | 6 | 6.5 |
| EER | 3 | 4 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 181 % | 142 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 4.59 | 3.63 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.4 kW | 8.4 kW |
| COP Tj = -7°C | 2.91 | 1.99 |
| Cdh Tj = -7 °C | 0.992 | 0.995 |
| Pdh Tj = +2°C | 5.12 kW | 5.12 kW |
| COP Tj = +2°C | 4.6 | 3.58 |
| Cdh Tj = +2 °C | 0.98 | 0.985 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.5 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 8.4 kW | 8.4 kW |
| COP Tj = Tbiv | 2.91 | 1.99 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.6 kW | 7.3 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.74 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 1.9 kW | 2.2 kW |
| Annual energy consumption Qhe | 4276 kWh | 5410 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 219 % | 177 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 5.56 | 4.51 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.5 kW | 9.5 kW |
| COP Tj = +2°C | 3.08 | 2.16 |
| Cdh Tj = +2 °C | 0.993 | 0.995 |
| Pdh Tj = +7°C | 6.11 kW | 6.11 kW |
| COP Tj = +7°C | 5.09 | 3.91 |
| Cdh Tj = +7 °C | 0.982 | 0.986 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.73 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 9.5 kW | 9.5 kW |
| COP Tj = Tbiv | 3.08 | 2.16 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.5 kW | 9.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.08 | 2.16 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 2283 kWh | 2817 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 6 kW | 6.5 kW |
| SEER | 4.12 | 5.62 |
| Pdc Tj = 35°C | 6 kW | 6.5 kW |
| EER Tj = 35°C | 3 | 4 |
| Cdc Tj = 35 °C | 0.989 | 0.986 |
| Pdc Tj = 30°C | 4.42 kW | 4.79 kW |
| EER Tj = 30°C | 3.85 | 4.8 |
| Cdc Tj = 30 °C | 0.981 | 0.978 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.82 | 7.01 |
| Cdc Tj = 25 °C | 0.966 | 0.961 |
| Pdc Tj = 20°C | 2.93 kW | 4.28 kW |

| | | |
|-------------------------------|---------|---------|
| EER Tj = 20°C | 5 | 7.58 |
| Cdc Tj = 20 °C | 0.962 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 873 kWh | 694 kWh |

Model PUZ-WZ115YAA-W(-BS) + ERPX-*M*E

| | |
|-------------------------------------|---------------------------------|
| Model name | PUZ-WZ115YAA-W(-BS) + ERPX-*M*E |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 9.5 kW | 9.5 kW |
| El input | 2.29 kW | 3.37 kW |
| COP | 4.15 | 2.82 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2 kW | 1.63 kW |
| Cooling capacity | 6 | 6.5 |
| EER | 3 | 4 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 181 % | 142 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 4.59 | 3.63 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.4 kW | 8.4 kW |
| COP Tj = -7°C | 2.91 | 1.99 |
| Cdh Tj = -7 °C | 0.992 | 0.995 |
| Pdh Tj = +2°C | 5.12 kW | 5.12 kW |
| COP Tj = +2°C | 4.6 | 3.58 |
| Cdh Tj = +2 °C | 0.98 | 0.985 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.5 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 8.4 kW | 8.4 kW |
| COP Tj = Tbiv | 2.91 | 1.99 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.6 kW | 7.3 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.74 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 1.9 kW | 2.2 kW |
| Annual energy consumption Qhe | 4276 kWh | 5410 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 219 % | 177 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 5.56 | 4.51 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.5 kW | 9.5 kW |
| COP Tj = +2°C | 3.08 | 2.16 |
| Cdh Tj = +2 °C | 0.993 | 0.995 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 6.11 kW | 6.11 kW |
| COP Tj = +7°C | 5.09 | 3.91 |
| Cdh Tj = +7 °C | 0.982 | 0.986 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.73 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 9.5 kW | 9.5 kW |
| COP Tj = Tbiv | 3.08 | 2.16 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.5 kW | 9.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.08 | 2.16 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 2283 kWh | 2817 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 6 kW | 6.5 kW |
| SEER | 4.12 | 5.62 |
| Pdc Tj = 35°C | 6 kW | 6.5 kW |
| EER Tj = 35°C | 3 | 4 |
| Cdc Tj = 35 °C | 0.989 | 0.986 |
| Pdc Tj = 30°C | 4.42 kW | 4.79 kW |
| EER Tj = 30°C | 3.85 | 4.8 |
| Cdc Tj = 30 °C | 0.981 | 0.978 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.82 | 7.01 |
| Cdc Tj = 25 °C | 0.966 | 0.961 |
| Pdc Tj = 20°C | 2.93 kW | 4.28 kW |
| EER Tj = 20°C | 5 | 7.58 |
| Cdc Tj = 20 °C | 0.962 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 873 kWh | 694 kWh |

Model PUZ-WZ115YAA-W(-BS)

| | |
|-------------------------------------|------------------------|
| Model name | PUZ-WZ115YAA-W(-BS) |
| Application | Heating (medium temp) |
| Units | Outdoor |
| Climate zone (for heating) | Warmer Climate |
| Heat Source | Outdoor Air |
| 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 | 9.5 kW | 9.5 kW |
| El input | 2.29 kW | 3.37 kW |
| COP | 4.15 | 2.82 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2 kW | 1.63 kW |
| Cooling capacity | 6 | 6.5 |
| EER | 3 | 4 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 181 % | 142 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 4.59 | 3.63 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 8.4 kW | 8.4 kW |
| COP Tj = -7°C | 2.91 | 1.99 |
| Cdh Tj = -7 °C | 0.992 | 0.995 |
| Pdh Tj = +2°C | 5.12 kW | 5.12 kW |
| COP Tj = +2°C | 4.6 | 3.58 |
| Cdh Tj = +2 °C | 0.98 | 0.985 |
| Pdh Tj = +7°C | 3.5 kW | 3.5 kW |
| COP Tj = +7°C | 5.84 | 5.12 |
| Cdh Tj = +7 °C | 0.963 | 0.968 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 7.1 | 6.5 |
| Cdh Tj = +12 °C | 0.955 | 0.959 |
| Pdh Tj = Tbiv | 8.4 kW | 8.4 kW |
| COP Tj = Tbiv | 2.91 | 1.99 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.6 kW | 7.3 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.53 | 1.74 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 | 1.9 kW | 2.2 kW |
| Annual energy consumption Qhe | 4276 kWh | 5410 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 219 % | 177 % |
| Prated | 9.5 kW | 9.5 kW |
| SCOP | 5.56 | 4.51 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 9.5 kW | 9.5 kW |
| COP Tj = +2°C | 3.08 | 2.16 |
| Cdh Tj = +2 °C | 0.993 | 0.995 |

| | | |
|---|-------------|-------------|
| Pdh Tj = +7°C | 6.11 kW | 6.11 kW |
| COP Tj = +7°C | 5.09 | 3.91 |
| Cdh Tj = +7 °C | 0.982 | 0.986 |
| Pdh Tj = 12°C | 3.5 kW | 3.5 kW |
| COP Tj = 12°C | 6.73 | 5.87 |
| Cdh Tj = +12 °C | 0.958 | 0.963 |
| Pdh Tj = Tbiv | 9.5 kW | 9.5 kW |
| COP Tj = Tbiv | 3.08 | 2.16 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.5 kW | 9.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.08 | 2.16 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.993 | 0.995 |
| 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 kW | 0 kW |
| Annual energy consumption Qhe | 2283 kWh | 2817 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 6 kW | 6.5 kW |
| SEER | 4.12 | 5.62 |
| Pdc Tj = 35°C | 6 kW | 6.5 kW |
| EER Tj = 35°C | 3 | 4 |
| Cdc Tj = 35 °C | 0.989 | 0.986 |
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| Cdc Tj = 30 °C | 0.981 | 0.978 |
| Pdc Tj = 25°C | 3.13 kW | 3.96 kW |
| EER Tj = 25°C | 4.82 | 7.01 |
| Cdc Tj = 25 °C | 0.966 | 0.961 |
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| Cdc Tj = 20 °C | 0.962 | 0.961 |
| Poff | 22 W | 22 W |
| PTO | 22 W | 22 W |
| PSB | 22 W | 22 W |
| PCK | 0 W | 0 W |
| Annual energy consumption Qce | 873 kWh | 694 kWh |