

This information was generated by the HP KEYMARK database on 18 Mar 2022

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| | | | |
|---------------------|---|----------|----------------|
| Summary of | Ecodan Power Inverter 8 AA | Reg. No. | 037-0056-20 |
| Certificate Holder | | | |
| Name | Mitsubishi Electric Air Conditioning Systems Europe LTD | | |
| Address | Nettlehill Road, Houston Industrial Estate | Zip | EH54 5EQ |
| City | Livingston | Country | United Kingdom |
| Certification Body | SZU - Strojirensky zkusebni ustav (Engineering Test Institute, Public Enterprise) | | |
| Subtype title | Ecodan Power Inverter 8 AA | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 3 kg | | |
| Certification Date | 09.04.2020 | | |
| Testing basis | HP Keymark scheme rules rev. no. 7 | | |

Model: PUAZ-SW75VAA(-BS) + EHSD-*M*C

| Configure model | |
|-------------------------------------|-------------------------------|
| Model name | PUHZ-SW75VAA(-BS) + EHSD-*M*C |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8 kW | 8 kW |
| El input | 1.82 kW | 3.03 kW |
| COP | 4.4 | 2.64 |

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 162 % | 129 % |
| Prated | 7.2 kW | 7.1 kW |
| SCOP | 4.12 | 3.31 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.4 kW | 6.3 kW |
| COP Tj = -7°C | 2.43 | 2.04 |
| Cdh Tj = -7 °C | 0.994 | 0.995 |
| Pdh Tj = +2°C | 3.9 kW | 3.8 kW |
| COP Tj = +2°C | 4.1 | 3.19 |
| Cdh Tj = +2 °C | 0.984 | 0.987 |
| Pdh Tj = +7°C | 2.6 kW | 2.9 kW |
| COP Tj = +7°C | 5.62 | 4.59 |
| Cdh Tj = +7 °C | 0.968 | 0.976 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 3.1 kW | 2.8 kW |
| COP Tj = 12°C | 7.93 | 6.1 |
| Cdh Tj = +12 °C | 0.962 | 0.967 |
| Pdh Tj = Tbiv | 6.4 kW | 6.3 kW |
| COP Tj = Tbiv | 2.43 | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.22 kW | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.17 | 1.89 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.98 kW | 0.96 kW |
| Annual energy consumption Qhe | 3607 kWh | 4435 kWh |

Model: PUAZ-SW75VAA(-BS) + EHSD-M*C

| Configure model | |
|-------------------------------------|------------------------------|
| Model name | PUHZ-SW75VAA(-BS) + EHSD-M*C |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8 kW | 8 kW |
| El input | 1.82 kW | 3.03 kW |
| COP | 4.4 | 2.64 |

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 162 % | 129 % |
| Prated | 7.2 kW | 7.1 kW |
| SCOP | 4.12 | 3.31 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.4 kW | 6.3 kW |
| COP Tj = -7°C | 2.43 | 2.04 |
| Cdh Tj = -7 °C | 0.994 | 0.995 |
| Pdh Tj = +2°C | 3.9 kW | 3.8 kW |
| COP Tj = +2°C | 4.1 | 3.19 |
| Cdh Tj = +2 °C | 0.984 | 0.987 |
| Pdh Tj = +7°C | 2.6 kW | 2.9 kW |
| COP Tj = +7°C | 5.62 | 4.59 |
| Cdh Tj = +7 °C | 0.968 | 0.976 |

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| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 3.1 kW | 2.8 kW |
| COP Tj = 12°C | 7.93 | 6.1 |
| Cdh Tj = +12 °C | 0.962 | 0.967 |
| Pdh Tj = Tbiv | 6.4 kW | 6.3 kW |
| COP Tj = Tbiv | 2.43 | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.22 kW | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.17 | 1.89 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.98 kW | 0.96 kW |
| Annual energy consumption Qhe | 3607 kWh | 4435 kWh |

Model: PUAZ-SW75VAA(-BS) + EHST20D-*M*C

Configure model

| | |
|-------------------------------------|----------------------------------|
| Model name | PUHZ-SW75VAA(-BS) + EHST20D-*M*C |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

EN 14511-4

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

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 129 % | |
| Prated | 7.1 kW | |
| SCOP | 3.31 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.995 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.19 | |
| Cdh Tj = +2 °C | 0.987 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.976 | |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------|
| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.967 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 15 W |
| PTO | 15 W |
| PSB | 15 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4435 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 104 % |
| COP | 2.46 |
| Heating up time | 02:28 h:min |
| Standby power input | 31 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 l |

Model: PUAZ-SW75VAA(-BS) + EHST20D-M*C

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | PUHZ-SW75VAA(-BS) + EHST20D-M*C |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 129 % | |
| Prated | 7.1 kW | |
| SCOP | 3.31 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.995 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.19 | |
| Cdh Tj = +2 °C | 0.987 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.976 | |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------|
| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.967 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 15 W |
| PTO | 15 W |
| PSB | 15 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4435 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 104 % |
| COP | 2.46 |
| Heating up time | 02:28 h:min |
| Standby power input | 31 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 l |

Model: PUAZ-SW75VAA(-BS) + ERSD-*M*C

Configure model

| | |
|-------------------------------------|-------------------------------|
| Model name | PUAZ-SW75VAA(-BS) + ERSD-*M*C |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8 kW | 8 kW |
| El input | 1.82 kW | 3.03 kW |
| COP | 4.4 | 2.64 |

EN 14511-4

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 166 % | 132 % |
| Prated | 7.2 kW | 7.1 kW |
| SCOP | 4.22 | 3.37 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.4 kW | 6.3 kW |
| COP Tj = -7°C | 2.43 | 2.04 |
| Cdh Tj = -7 °C | 0.994 | 0.995 |
| Pdh Tj = +2°C | 3.9 kW | 3.8 kW |
| COP Tj = +2°C | 4.16 | 3.23 |
| Cdh Tj = +2 °C | 0.984 | 0.987 |
| Pdh Tj = +7°C | 2.6 kW | 2.9 kW |
| COP Tj = +7°C | 5.62 | 4.59 |
| Cdh Tj = +7 °C | 0.968 | 0.976 |

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| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 3.1 kW | 2.8 kW |
| COP Tj = 12°C | 7.93 | 6.1 |
| Cdh Tj = +12 °C | 0.962 | 0.967 |
| Pdh Tj = Tbiv | 6.4 kW | 6.3 kW |
| COP Tj = Tbiv | 2.43 | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.22 kW | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.17 | 1.89 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.98 kW | 0.96 kW |
| Annual energy consumption Qhe | 3525 kWh | 4352 kWh |

Model: PUAZ-SW75VAA(-BS) + ERST20D-*M*C

Configure model

| | |
|-------------------------------------|----------------------------------|
| Model name | PUHZ-SW75VAA(-BS) + ERST20D-*M*C |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

EN 14511-4

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 132 % | |
| Prated | 7.1 kW | |
| SCOP | 3.37 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.995 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.23 | |
| Cdh Tj = +2 °C | 0.987 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.976 | |

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| | |
|---|-------------|
| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.967 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 15 W |
| PTO | 15 W |
| PSB | 15 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4352 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 104 % |
| COP | 2.46 |
| Heating up time | 02:28 h:min |
| Standby power input | 31 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 l |

Model: PUAZ-SW75VAA(-BS) + ERST20D-M*C

Configure model

| | |
|-------------------------------------|---------------------------------|
| Model name | PUHZ-SW75VAA(-BS) + ERST20D-M*C |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

EN 14511-4

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 132 % | |
| Prated | 7.1 kW | |
| SCOP | 3.37 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.995 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.23 | |
| Cdh Tj = +2 °C | 0.987 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.976 | |

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| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.967 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 15 W |
| PTO | 15 W |
| PSB | 15 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4352 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 104 % |
| COP | 2.46 |
| Heating up time | 02:28 h:min |
| Standby power input | 31 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 l |

Model: PUHZ-SW75VAA(-BS) + EHST20D-*M*C2

| Configure model | |
|-------------------------------------|-----------------------------------|
| Model name | PUHZ-SW75VAA(-BS) + EHST20D-*M*C2 |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

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

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 129 % | |
| Prated | 7.1 kW | |
| SCOP | 3.31 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.995 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.19 | |
| Cdh Tj = +2 °C | 0.987 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.976 | |

This information was generated by the HP KEYMARK database on 18 Mar 2022

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|---|-------------|
| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.967 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 15 W |
| PTO | 15 W |
| PSB | 15 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4435 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 145 % |
| COP | 3.41 |
| Heating up time | 02:28 h:min |
| Standby power input | 29 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 292 l |

Model: PUAZ-SW75VAA(-BS) + ERST20D-*M*C2

Configure model

| | |
|-------------------------------------|-----------------------------------|
| Model name | PUHZ-SW75VAA(-BS) + ERST20D-*M*C2 |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

EN 14511-4

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 132 % | |
| Prated | 7.1 kW | |
| SCOP | 3.37 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.995 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.23 | |
| Cdh Tj = +2 °C | 0.987 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.976 | |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------|
| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.967 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 15 W |
| PTO | 15 W |
| PSB | 15 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4352 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 145 % |
| COP | 3.41 |
| Heating up time | 02:28 h:min |
| Standby power input | 29 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 292 l |

Model: PUAZ-SW75YAA(-BS) + EHSD-*M*C

| Configure model | |
|-------------------------------------|-------------------------------|
| Model name | PUHZ-SW75YAA(-BS) + EHSD-*M*C |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8 kW | 8 kW |
| El input | 1.82 kW | 3.03 kW |
| COP | 4.4 | 2.64 |

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 160 % | 128 % |
| Prated | 7.2 kW | 7.1 kW |
| SCOP | 4.07 | 3.28 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.4 kW | 6.3 kW |
| COP Tj = -7°C | 2.43 | 2.04 |
| Cdh Tj = -7 °C | 0.992 | 0.993 |
| Pdh Tj = +2°C | 3.9 kW | 3.8 kW |
| COP Tj = +2°C | 4.07 | 3.19 |
| Cdh Tj = +2 °C | 0.977 | 0.982 |
| Pdh Tj = +7°C | 2.6 kW | 2.9 kW |
| COP Tj = +7°C | 5.62 | 4.59 |
| Cdh Tj = +7 °C | 0.952 | 0.965 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 3.1 kW | 2.8 kW |
| COP Tj = 12°C | 7.93 | 6.1 |
| Cdh Tj = +12 °C | 0.944 | 0.952 |
| Pdh Tj = Tbiv | 6.4 kW | 6.3 kW |
| COP Tj = Tbiv | 2.43 | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.22 kW | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.17 | 1.89 |
| WTOL | 60 °C | 60 °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 | 0.98 kW | 0.96 kW |
| Annual energy consumption Qhe | 3654 kWh | 4470 kWh |

Model: PUAZ-SW75YAA(-BS) + EHSD-M*C

| Configure model | |
|-------------------------------------|------------------------------|
| Model name | PUAZ-SW75YAA(-BS) + EHSD-M*C |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8 kW | 8 kW |
| El input | 1.82 kW | 3.03 kW |
| COP | 4.4 | 2.64 |

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 160 % | 128 % |
| Prated | 7.2 kW | 7.1 kW |
| SCOP | 4.07 | 3.28 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.4 kW | 6.3 kW |
| COP Tj = -7°C | 2.43 | 2.04 |
| Cdh Tj = -7 °C | 0.992 | 0.993 |
| Pdh Tj = +2°C | 3.9 kW | 3.8 kW |
| COP Tj = +2°C | 4.07 | 3.19 |
| Cdh Tj = +2 °C | 0.977 | 0.982 |
| Pdh Tj = +7°C | 2.6 kW | 2.9 kW |
| COP Tj = +7°C | 5.62 | 4.59 |
| Cdh Tj = +7 °C | 0.952 | 0.965 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 3.1 kW | 2.8 kW |
| COP Tj = 12°C | 7.93 | 6.1 |
| Cdh Tj = +12 °C | 0.944 | 0.952 |
| Pdh Tj = Tbiv | 6.4 kW | 6.3 kW |
| COP Tj = Tbiv | 2.43 | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.22 kW | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.17 | 1.89 |
| WTOL | 60 °C | 60 °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 | 0.98 kW | 0.96 kW |
| Annual energy consumption Qhe | 3654 kWh | 4470 kWh |

Model: PUAZ-SW75YAA(-BS) + EHST20D-*M*C

Configure model

| | |
|-------------------------------------|----------------------------------|
| Model name | PUHZ-SW75YAA(-BS) + EHST20D-*M*C |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

General Data

| | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |
|--------------|-------------|

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

EN 14511-4

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 128 % | |
| Prated | 7.1 kW | |
| SCOP | 3.28 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.993 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.19 | |
| Cdh Tj = +2 °C | 0.982 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.965 | |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------|
| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.952 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 22 W |
| PTO | 22 W |
| PSB | 22 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4470 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 104 % |
| COP | 2.46 |
| Heating up time | 02:28 h:min |
| Standby power input | 42 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 l |

Model: PUAZ-SW75YAA(-BS) + EHST20D-M*C

Configure model

| | |
|-------------------------------------|---------------------------------|
| Model name | PUHZ-SW75YAA(-BS) + EHST20D-M*C |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

General Data

| | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |
|--------------|-------------|

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

EN 14511-4

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 128 % | |
| Prated | 7.1 kW | |
| SCOP | 3.28 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.993 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.19 | |
| Cdh Tj = +2 °C | 0.982 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.965 | |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------|
| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.952 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 22 W |
| PTO | 22 W |
| PSB | 22 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4470 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 104 % |
| COP | 2.46 |
| Heating up time | 02:28 h:min |
| Standby power input | 42 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 l |

Model: PUAZ-SW75YAA(-BS) + ERSD-*M*C

Configure model

| | |
|-------------------------------------|-------------------------------|
| Model name | PUHZ-SW75YAA(-BS) + ERSD-*M*C |
| Application | Heating (medium temp) |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

General Data

| | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |
|--------------|-------------|

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8 kW | 8 kW |
| El input | 1.82 kW | 3.03 kW |
| COP | 4.4 | 2.64 |

EN 14511-4

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 165 % | 132 % |
| Prated | 7.2 kW | 7.1 kW |
| SCOP | 4.2 | 3.36 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.4 kW | 6.3 kW |
| COP Tj = -7°C | 2.43 | 2.04 |
| Cdh Tj = -7 °C | 0.992 | 0.993 |
| Pdh Tj = +2°C | 3.9 kW | 3.8 kW |
| COP Tj = +2°C | 4.14 | 3.23 |
| Cdh Tj = +2 °C | 0.977 | 0.981 |
| Pdh Tj = +7°C | 2.6 kW | 2.9 kW |
| COP Tj = +7°C | 5.62 | 4.59 |
| Cdh Tj = +7 °C | 0.952 | 0.965 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 3.1 kW | 2.8 kW |
| COP Tj = 12°C | 7.93 | 6.1 |
| Cdh Tj = +12 °C | 0.944 | 0.952 |
| Pdh Tj = Tbiv | 6.4 kW | 6.3 kW |
| COP Tj = Tbiv | 2.43 | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.22 kW | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.17 | 1.89 |
| WTOL | 60 °C | 60 °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 | 0.98 kW | 0.96 kW |
| Annual energy consumption Qhe | 3542 kWh | 4361 kWh |

Model: PUAZ-SW75YAA(-BS) + ERST20D-*M*C

Configure model

| | |
|-------------------------------------|----------------------------------|
| Model name | PUAZ-SW75YAA(-BS) + ERST20D-*M*C |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

General Data

| | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |
|--------------|-------------|

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

EN 14511-4

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 132 % | |
| Prated | 7.1 kW | |
| SCOP | 3.36 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.993 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.23 | |
| Cdh Tj = +2 °C | 0.981 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.965 | |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------|
| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.952 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 22 W |
| PTO | 22 W |
| PSB | 22 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4361 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 104 % |
| COP | 2.46 |
| Heating up time | 02:28 h:min |
| Standby power input | 42 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 l |

Model: PUAZ-SW75YAA(-BS) + ERST20D-M*C

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | PUAZ-SW75YAA(-BS) + ERST20D-M*C |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 132 % | |
| Prated | 7.1 kW | |
| SCOP | 3.36 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.993 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.23 | |
| Cdh Tj = +2 °C | 0.981 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.965 | |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------|
| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.952 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 22 W |
| PTO | 22 W |
| PSB | 22 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4361 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 104 % |
| COP | 2.46 |
| Heating up time | 02:28 h:min |
| Standby power input | 42 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 278 l |

Model: PUHZ-SW75YAA(-BS) + EHST20D-*M*C2

| Configure model | |
|-------------------------------------|-----------------------------------|
| Model name | PUHZ-SW75YAA(-BS) + EHST20D-*M*C2 |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 128 % | |
| Prated | 7.1 kW | |
| SCOP | 3.28 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.993 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.19 | |
| Cdh Tj = +2 °C | 0.982 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.965 | |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------|
| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.952 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 22 W |
| PTO | 22 W |
| PSB | 22 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4470 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 145 % |
| COP | 3.41 |
| Heating up time | 02:28 h:min |
| Standby power input | 35 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 292 l |

Model: PUHZ-SW75YAA(-BS) + ERST20D-*M*C2

| Configure model | |
|-------------------------------------|-----------------------------------|
| Model name | PUHZ-SW75YAA(-BS) + ERST20D-*M*C2 |
| Application | Heating + DHW |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 8 kW | |
| El input | 3.03 kW | |
| COP | 2.64 | |

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

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | |
| Sound power level outdoor | 58 dB(A) | |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 132 % | |
| Prated | 7.1 kW | |
| SCOP | 3.36 | |
| Tbiv | -7 °C | |
| TOL | -20 °C | |
| Pdh Tj = -7°C | 6.3 kW | |
| COP Tj = -7°C | 2.04 | |
| Cdh Tj = -7 °C | 0.993 | |
| Pdh Tj = +2°C | 3.8 kW | |
| COP Tj = +2°C | 3.23 | |
| Cdh Tj = +2 °C | 0.981 | |
| Pdh Tj = +7°C | 2.9 kW | |
| COP Tj = +7°C | 4.59 | |
| Cdh Tj = +7 °C | 0.965 | |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | |
|---|-------------|
| Pdh Tj = 12°C | 2.8 kW |
| COP Tj = 12°C | 6.1 |
| Cdh Tj = +12 °C | 0.952 |
| Pdh Tj = Tbiv | 6.3 kW |
| COP Tj = Tbiv | 2.04 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.14 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.89 |
| WTOL | 60 °C |
| Poff | 22 W |
| PTO | 22 W |
| PSB | 22 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | Electricity |
| Supplementary Heater: PSUP | 0.96 kW |
| Annual energy consumption Qhe | 4361 kWh |

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 145 % |
| COP | 3.41 |
| Heating up time | 02:28 h:min |
| Standby power input | 35 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 292 l |