

Subtype NIMBUS 70 M - ARIANEXT 70 M - AEROTOP MONO 07X - ENERGION M 7

| | |
|---------------------|--|
| Certificate Holder | Ariston Thermo Group |
| Address | Viale Aristide Merloni 45 |
| ZIP | I-60044 |
| City | Fabriano (AN) |
| Country | IT |
| Certification Body | ICIM S.p.A. |
| Subtype title | NIMBUS 70 M - ARIANEXT 70 M - AEROTOP MONO 07X - ENERGION M 7 |
| Registration number | ICIM-PDC-000001 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R410A |
| Mass of Refrigerant | 2.77 kg |
| Certification Date | 19.12.2017 |

Model AEROTOP MONO 07M-RX 1Z

| | |
|-------------------------------------|--------------------------------|
| Model name | AEROTOP MONO 07M-RX 1Z |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model AEROTOP MONO 07M-RX 2Z

| | |
|-------------------------------------|--------------------------------|
| Model name | AEROTOP MONO 07M-RX 2Z |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model AEROTOP MONO 07M-RXL

| | |
|-------------------------------------|--------------------------------|
| Model name | AEROTOP MONO 07M-RXL |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model AEROTOP MONO 07M-X 1Z

| | |
|-------------------------------------|--------------------------------|
| Model name | AEROTOP MONO 07M-X 1Z |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model AEROTOP MONO 07M-X 2Z

| | |
|-------------------------------------|--------------------------------|
| Model name | AEROTOP MONO 07M-X 2Z |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT LITE 70 M LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT LITE 70 M LINK |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT LITE 70 M

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT LITE 70 M |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT PLUS 70 M 2Z H LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT PLUS 70 M 2Z H LINK |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT PLUS 70 M 2Z H

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT PLUS 70 M 2Z H |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT PLUS 70 M 2Z LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT PLUS 70 M 2Z LINK |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT PLUS 70 M 2Z

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT PLUS 70 M 2Z |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT PLUS 70 M H LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT PLUS 70 M H LINK |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT PLUS 70 M H

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT PLUS 70 M H |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT PLUS 70 M LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT PLUS 70 M LINK |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT PLUS 70 M

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT PLUS 70 M |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model NIMBUS PLUS 70 M 2Z H NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS PLUS 70 M 2Z H NET |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model NIMBUS PLUS 70 M 2Z NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS PLUS 70 M 2Z NET |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model NIMBUS PLUS 70 M H NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS PLUS 70 M H NET |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model NIMBUS PLUS 70 M NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS PLUS 70 M NET |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model NIMBUS POCKET 70 M NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS POCKET 70 M NET |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model AEROTOP MONO 07M-CRX 1Z

| | |
|-------------------------------------|--------------------------------|
| Model name | AEROTOP MONO 07M-CRX 1Z |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model AEROTOP MONO 07M-CRX 2Z

| | |
|-------------------------------------|--------------------------------|
| Model name | AEROTOP MONO 07M-CRX 2Z |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ARIANEXT COMPACT 70 M 2Z LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT COMPACT 70 M 2Z LINK |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ARIANEXT COMPACT 70 M LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT COMPACT 70 M LINK |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ARIANEXT FLEX 70 M 2Z H LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT FLEX 70 M 2Z H LINK |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ARIANEXT FLEX 70 M 2Z LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT FLEX 70 M 2Z LINK |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ARIANEXT FLEX 70 M H LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT FLEX 70 M H LINK |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ARIANEXT FLEX 70 M LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT FLEX 70 M LINK |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model NIMBUS COMPACT 70 M 2Z NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS COMPACT 70 M 2Z NET |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model NIMBUS COMPACT 70 M NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS COMPACT 70 M NET |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model NIMBUS FLEX 70 M 2Z H NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS FLEX 70 M 2Z H NET |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model NIMBUS FLEX 70 M 2Z NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS FLEX 70 M 2Z NET |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model NIMBUS FLEX 70 M H NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS FLEX 70 M H NET |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model NIMBUS FLEX 70 M NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS FLEX 70 M NET |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ARIANEXT COMPACT 70 M 2Z

| | |
|-------------------------------------|--------------------------|
| Model name | ARIANEXT COMPACT 70 M 2Z |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 131 % |
| COP | 3.10 |
| Heating up time | 01:08 h:min |
| Standby power input | 39.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 250 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η_s | 178 % | 128 % |
| Prated | 7.89 kW | 7.45 kW |

| | | |
|---|-------------|-------------|
| SCOP | 4.53 | 3.27 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.98 kW | 6.59 kW |
| COP Tj = -7°C | 3.10 | 2.17 |
| Pdh Tj = +2°C | 4.31 kW | 4.18 kW |
| COP Tj = +2°C | 4.59 | 3.30 |
| Pdh Tj = +7°C | 2.76 kW | 2.58 kW |
| COP Tj = +7°C | 5.30 | 3.87 |
| Pdh Tj = 12°C | 2.60 kW | 2.54 kW |
| COP Tj = 12°C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

Model ARIANEXT COMPACT 70 M

| | |
|-------------------------------------|--------------------------|
| Model name | ARIANEXT COMPACT 70 M |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 131 % |
| COP | 3.10 |
| Heating up time | 01:08 h:min |
| Standby power input | 39.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 250 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η_s | 178 % | 128 % |
| Prated | 7.89 kW | 7.45 kW |

| | | |
|---|-------------|-------------|
| SCOP | 4.53 | 3.27 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.98 kW | 6.59 kW |
| COP Tj = -7°C | 3.10 | 2.17 |
| Pdh Tj = +2°C | 4.31 kW | 4.18 kW |
| COP Tj = +2°C | 4.59 | 3.30 |
| Pdh Tj = +7°C | 2.76 kW | 2.58 kW |
| COP Tj = +7°C | 5.30 | 3.87 |
| Pdh Tj = 12°C | 2.60 kW | 2.54 kW |
| COP Tj = 12°C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

Model ARIANEXT FLEX 70 M 2Z H

| | |
|-------------------------------------|--------------------------|
| Model name | ARIANEXT FLEX 70 M 2Z H |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 131 % |
| COP | 3.10 |
| Heating up time | 01:08 h:min |
| Standby power input | 39.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 250 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η_s | 178 % | 128 % |
| Prated | 7.89 kW | 7.45 kW |

| | | |
|---|-------------|-------------|
| SCOP | 4.53 | 3.27 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.98 kW | 6.59 kW |
| COP Tj = -7°C | 3.10 | 2.17 |
| Pdh Tj = +2°C | 4.31 kW | 4.18 kW |
| COP Tj = +2°C | 4.59 | 3.30 |
| Pdh Tj = +7°C | 2.76 kW | 2.58 kW |
| COP Tj = +7°C | 5.30 | 3.87 |
| Pdh Tj = 12°C | 2.60 kW | 2.54 kW |
| COP Tj = 12°C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

Model ARIANEXT FLEX 70 M 2Z

| | |
|-------------------------------------|--------------------------|
| Model name | ARIANEXT FLEX 70 M 2Z |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 131 % |
| COP | 3.10 |
| Heating up time | 01:08 h:min |
| Standby power input | 39.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 250 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η_s | 178 % | 128 % |
| Prated | 7.89 kW | 7.45 kW |

| | | |
|---|-------------|-------------|
| SCOP | 4.53 | 3.27 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.98 kW | 6.59 kW |
| COP Tj = -7°C | 3.10 | 2.17 |
| Pdh Tj = +2°C | 4.31 kW | 4.18 kW |
| COP Tj = +2°C | 4.59 | 3.30 |
| Pdh Tj = +7°C | 2.76 kW | 2.58 kW |
| COP Tj = +7°C | 5.30 | 3.87 |
| Pdh Tj = 12°C | 2.60 kW | 2.54 kW |
| COP Tj = 12°C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

Model ARIANEXT FLEX 70 M H

| | |
|-------------------------------------|--------------------------|
| Model name | ARIANEXT FLEX 70 M H |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 131 % |
| COP | 3.10 |
| Heating up time | 01:08 h:min |
| Standby power input | 39.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 250 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η_s | 178 % | 128 % |
| Prated | 7.89 kW | 7.45 kW |

| | | |
|---|-------------|-------------|
| SCOP | 4.53 | 3.27 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.98 kW | 6.59 kW |
| COP Tj = -7°C | 3.10 | 2.17 |
| Pdh Tj = +2°C | 4.31 kW | 4.18 kW |
| COP Tj = +2°C | 4.59 | 3.30 |
| Pdh Tj = +7°C | 2.76 kW | 2.58 kW |
| COP Tj = +7°C | 5.30 | 3.87 |
| Pdh Tj = 12°C | 2.60 kW | 2.54 kW |
| COP Tj = 12°C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

Model ARIANEXT FLEX 70 M

| | |
|-------------------------------------|--------------------------|
| Model name | ARIANEXT FLEX 70 M |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 131 % |
| COP | 3.10 |
| Heating up time | 01:08 h:min |
| Standby power input | 39.0 W |
| Reference hot water temperature | 52.7 °C |
| Mixed water at 40°C | 250 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η_s | 178 % | 128 % |
| Prated | 7.89 kW | 7.45 kW |

| | | |
|---|-------------|-------------|
| SCOP | 4.53 | 3.27 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.98 kW | 6.59 kW |
| COP Tj = -7°C | 3.10 | 2.17 |
| Pdh Tj = +2°C | 4.31 kW | 4.18 kW |
| COP Tj = +2°C | 4.59 | 3.30 |
| Pdh Tj = +7°C | 2.76 kW | 2.58 kW |
| COP Tj = +7°C | 5.30 | 3.87 |
| Pdh Tj = 12°C | 2.60 kW | 2.54 kW |
| COP Tj = 12°C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

Model ENERGION M PLUS 7

| | |
|-------------------------------------|--------------------------------|
| Model name | ENERGION M PLUS 7 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ENERGION M PLUS 7 2Z

| | |
|-------------------------------------|--------------------------------|
| Model name | ENERGION M PLUS 7 2Z |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 15 W | 15 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 15 W | 15 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 15 W | 15 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ENERGION M LIGHT 7

| | |
|-------------------------------------|--------------------------------|
| Model name | ENERGION M LIGHT 7 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ENERGION M FLEX 7 180 e

| | |
|-------------------------------------|--------------------------------|
| Model name | ENERGION M FLEX 7 180 e |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ENERGION M FLEX 7 2Z 180 e

| | |
|-------------------------------------|--------------------------------|
| Model name | ENERGION M FLEX 7 2Z 180 e |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 15 W | 15 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 15 W | 15 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 15 W | 15 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ENERGION M COMPACT 7

| | |
|-------------------------------------|--------------------------------|
| Model name | ENERGION M COMPACT 7 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ENERGION M COMPACT 7 2Z

| | |
|-------------------------------------|--------------------------------|
| Model name | ENERGION M COMPACT 7 2Z |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 15 W | 15 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 15 W | 15 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 43 dB(A) | 43 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|-------------|-------------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 15 W | 15 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ENERGION M HYBRIDall 7

| | |
|-------------------------------------|--------------------------------|
| Model name | ENERGION M HYBRIDall 7 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 5.72 kW | 5.58 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ATAG p ENERGION M HYBRIDzone 7

| | |
|-------------------------------------|--------------------------------|
| Model name | ATAG p ENERGION M HYBRIDzone 7 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 5.72 kW | 5.58 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ATAG i ENERGION M HYBRIDzone 7

| | |
|-------------------------------------|--------------------------------|
| Model name | ATAG i ENERGION M HYBRIDzone 7 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 5.72 kW | 5.58 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model NIMBUS M HYBRID 7 NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS M HYBRID 7 NET |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model NIMBUS M HYBRID FLEX 7 NET

| | |
|-------------------------------------|--------------------------------|
| Model name | NIMBUS M HYBRID FLEX 7 NET |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|----------|----------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ARIANEXT M HYBRID 7 LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT M HYBRID 7 LINK |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT M HYBRID 70

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT M HYBRID 70 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT M HYBRID FLEX 7 LINK

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT M HYBRID FLEX 7 LINK |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 108 % |
| COP | 2.60 |
| Heating up time | 01:22 h:min |
| Standby power input | 49.0 W |
| Reference hot water temperature | 53.1 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 93 % |
| COP | 2.25 |
| Heating up time | 01:22 h:min |
| Standby power input | 54.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 118 % |
| COP | 2.84 |
| Heating up time | 01:27 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.9 °C |
| Mixed water at 40°C | 246 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |
| COP T _j = 12°C | 6.87 | 5.40 |
| P _{dh} T _j = T _{biv} | 6.98 kW | 6.59 kW |
| COP T _j = T _{biv} | 3.10 | 2.17 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.73 kW | 7.06 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.77 | 1.95 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Q _{he} | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| P _{designh} | 11.85 kW | 11.06 kW |
| η _s | 152 % | 118 % |
| P _{rated} | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| P _{dh} T _j = -7°C | 7.17 kW | 6.70 kW |
| COP T _j = -7°C | 3.42 | 2.62 |
| P _{dh} T _j = +2°C | 4.48 kW | 4.13 kW |
| COP T _j = +2°C | 5.36 | 3.95 |
| P _{dh} T _j = +7°C | 2.90 kW | 2.76 kW |
| COP T _j = +7°C | 6.56 | 5.13 |
| P _{dh} T _j = 12°C | 2.72 kW | 2.68 kW |
| COP T _j = 12°C | 7.43 | 6.26 |
| P _{dh} T _j = T _{biv} | 7.17 kW | 6.70 kW |
| COP T _j = T _{biv} | 3.42 | 2.62 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 5.51 kW | 4.90 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 2.22 | 1.51 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Q _{he} | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 4.85 kW | 4.38 kW |
| η _s | 223 % | 150 % |

| | | |
|---|----------|----------|
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1148 kWh | 1524 kWh |

Model ARIANEXT M HYBRID UNIVERSAL 7 LINK

| | |
|-------------------------------------|------------------------------------|
| Model name | ARIANEXT M HYBRID UNIVERSAL 7 LINK |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model ARIANEXT M HYBRID UNIVERSAL 70

| | |
|-------------------------------------|--------------------------------|
| Model name | ARIANEXT M HYBRID UNIVERSAL 70 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model AEROTOP HYBRID MINI EVO 07X

| | |
|-------------------------------------|--------------------------------|
| Model name | AEROTOP HYBRID MINI EVO 07X |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model AEROTOP HYBRID MINI EVO 7

| | |
|-------------------------------------|--------------------------------|
| Model name | AEROTOP HYBRID MINI EVO 7 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model AEROTOP HYBRID UNIVERSAL 7

| | |
|-------------------------------------|--------------------------------|
| Model name | AEROTOP HYBRID UNIVERSAL 7 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12 °C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.32 kW | 0.39 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Pdesignh | 11.85 kW | 11.06 kW |
| ηs | 152 % | 118 % |
| Prated | 11.85 kW | 11.06 kW |
| SCOP | 3.87 | 3.03 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7 °C | 7.17 kW | 6.70 kW |
| COP Tj = -7 °C | 3.42 | 2.62 |
| Pdh Tj = +2 °C | 4.48 kW | 4.13 kW |
| COP Tj = +2 °C | 5.36 | 3.95 |
| Pdh Tj = +7 °C | 2.90 kW | 2.76 kW |
| COP Tj = +7 °C | 6.56 | 5.13 |
| Pdh Tj = 12 °C | 2.72 kW | 2.68 kW |
| COP Tj = 12 °C | 7.43 | 6.26 |
| Pdh Tj = Tbiv | 7.17 kW | 6.70 kW |
| COP Tj = Tbiv | 3.42 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.51 kW | 4.90 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.22 | 1.51 |

| | | |
|---|----------|----------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7544 kWh | 9000 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 15 dB(A) | 15 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| Pdesignh | 4.85 kW | 4.38 kW |
| η_s | 223 % | 150 % |
| Prated | 4.85 kW | 4.38 kW |
| SCOP | 5.64 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.85 kW | 4.38 kW |
| COP Tj = +2°C | 3.96 | 2.24 |
| Pdh Tj = +7°C | 3.12 kW | 2.81 kW |
| COP Tj = +7°C | 4.99 | 3.12 |
| Pdh Tj = 12°C | 2.73 kW | 2.63 kW |
| COP Tj = 12°C | 7.46 | 5.71 |
| Pdh Tj = Tbiv | 4.85 kW | 4.38 kW |
| COP Tj = Tbiv | 3.96 | 2.24 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.85 kW | 4.38 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.96 | 2.24 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |

Annual energy consumption Q_{he}

1148 kWh

1524 kWh

Model NIMBUS M FLEX IN 7 NET

| | |
|-------------------------------------|------------------------|
| Model name | NIMBUS M FLEX IN 7 NET |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12°C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.30 kW | 0.40 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

Model ARIANEXT M FLEX IN 7 LINK

| | |
|-------------------------------------|---------------------------|
| Model name | ARIANEXT M FLEX IN 7 LINK |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12°C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.30 kW | 0.40 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |

Model AEROTOP MONO BUILT-IN 07M-CRX

| | |
|-------------------------------------|-------------------------------|
| Model name | AEROTOP MONO BUILT-IN 07M-CRX |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | Yes |

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 6.40 kW | 5.70 kW |
| El input | 1.28 kW | 2.04 kW |
| COP | 5.00 | 2.80 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 0 dB(A) | 0 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------------------|-----------------|--------------------|
| P _{designh} | 7.89 kW | 7.45 kW |
| η _s | 178 % | 128 % |
| P _{rated} | 7.89 kW | 7.45 kW |
| SCOP | 4.53 | 3.27 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 6.98 kW | 6.59 kW |
| COP T _j = -7°C | 3.10 | 2.17 |
| P _{dh} T _j = +2°C | 4.31 kW | 4.18 kW |
| COP T _j = +2°C | 4.59 | 3.30 |
| P _{dh} T _j = +7°C | 2.76 kW | 2.58 kW |
| COP T _j = +7°C | 5.30 | 3.87 |
| P _{dh} T _j = 12°C | 2.60 kW | 2.54 kW |

| | | |
|---|----------|----------|
| COP Tj = 12°C | 6.87 | 5.40 |
| Pdh Tj = Tbiv | 6.98 kW | 6.59 kW |
| COP Tj = Tbiv | 3.10 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.73 kW | 7.06 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.77 | 1.95 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 13 W | 13 W |
| PTO | 13 W | 13 W |
| PSB | 13 W | 13 W |
| PCK | 13 W | 13 W |
| Supplementary Heater: Type of energy input | Gas | Gas |
| Supplementary Heater: PSUP | 0.30 kW | 0.40 kW |
| Annual energy consumption Qhe | 3598 kWh | 4706 kWh |