

Subtype NIMBUS/ARIANEXT/AEROTOP/ENERGION 80 S - Plus

| | |
|---------------------|--|
| 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/ARIANEXT/AEROTOP/ENERGION 80 S - Plus |
| Registration number | ICIM-PDC-000120 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.8 kg |
| Certification Date | 05.07.2022 |
| Testing basis | Heat Pump KEYMARK rev9 |

Model NIMBUS PLUS 80 S NET R32

| | |
|-------------------------------------|--|
| Model name | NIMBUS PLUS 80 S NET R32 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Colder, Warmer, Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.00 kW | 5.80 kW |
| El input | 1.67 kW | 1.97 kW |
| COP | 4.80 | 2.95 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.26 kW | 1.49 kW |
| Cooling capacity | 7 | 7.00 |
| EER | 3.10 | 4.70 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 8.37 kW | 7.62 kW |
| η _s | 195 % | 140 % |
| Prated | 8.37 kW | 7.62 kW |
| SCOP | 4.95 | 3.57 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.40 kW | 6.74 kW |
| COP Tj = -7°C | 3.10 | 2.29 |
| Cdh Tj = -7 °C | 0.994 | 0.995 |
| Pdh Tj = +2°C | 4.54 kW | 4.22 kW |
| COP Tj = +2°C | 4.80 | 3.51 |
| Cdh Tj = +2 °C | 0.986 | 0.989 |
| Pdh Tj = +7°C | 2.94 kW | 2.74 kW |
| COP Tj = +7°C | 6.61 | 4.36 |
| Cdh Tj = +7 °C | 0.969 | 0.978 |
| Pdh Tj = 12°C | 3.16 kW | 3.28 kW |
| COP Tj = 12°C | 8.15 | 6.50 |
| Cdh Tj = +12 °C | 0.965 | 0.973 |
| Pdh Tj = Tbiv | 7.40 kW | 6.74 kW |
| COP Tj = Tbiv | 3.10 | 2.29 |
| 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 | 0.994 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.86 kW | 2.72 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 3490 kWh | 4405 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| Pdesignh | 11.78 kW | 11.53 kW |
| η_s | 154 % | 120 % |
| Prated | 11.78 kW | 11.53 kW |
| SCOP | 3.93 | 3.08 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.13 kW | 6.98 kW |

| | | |
|---|-------------|-------------|
| COP Tj = -7°C | 3.47 | 2.73 |
| Cdh Tj = -7 °C | 0.993 | 0.995 |
| Pdh Tj = +2°C | 4.51 kW | 4.20 kW |
| COP Tj = +2°C | 5.32 | 4.07 |
| Cdh Tj = +2 °C | 0.984 | 0.987 |
| Pdh Tj = +7°C | 3.06 kW | 2.84 kW |
| COP Tj = +7°C | 7.24 | 5.15 |
| Cdh Tj = +7 °C | 0.968 | 0.975 |
| Pdh Tj = 12°C | 3.18 kW | 3.24 kW |
| COP Tj = 12°C | 8.02 | 6.47 |
| Cdh Tj = +12 °C | 0.966 | 0.973 |
| Pdh Tj = Tbiv | 7.13 kW | 6.98 kW |
| COP Tj = Tbiv | 3.47 | 2.70 |
| 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 | 0.993 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 11.16 kW | 10.93 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7398 kWh | 9226 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| Pdesignh | 4.93 kW | 4.48 kW |
| ηs | 242 % | 151 % |
| Prated | 4.93 kW | 4.48 kW |
| SCOP | 6.14 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = +2°C | 4.93 kW | 4.48 kW |
| COP Tj = +2°C | 4.05 | 2.53 |
| Cdh Tj = +2 °C | 0.989 | 0.992 |
| Pdh Tj = +7°C | 3.10 kW | 2.81 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 5.70 | 3.08 |
| Cdh Tj = +7 °C | 0.975 | 0.985 |
| Pdh Tj = 12°C | 3.28 kW | 3.16 kW |
| COP Tj = 12°C | 7.86 | 5.45 |
| Cdh Tj = +12 °C | 0.967 | 0.977 |
| Pdh Tj = Tbiv | 4.93 kW | 4.48 kW |
| COP Tj = Tbiv | 4.05 | 2.53 |
| 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 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 1073 kWh | 1557 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7 kW | |
| SEER | 4.64 | |
| Pdc Tj = 35°C | 7 kW | |
| EER Tj = 35°C | 3.1 | |
| Pdc Tj = 30°C | 5.17 kW | |
| EER Tj = 30°C | 4.13 | |
| Cdc Tj = 30 °C | 0.99 | |
| Pdc Tj = 25°C | 3.32 kW | |
| EER Tj = 25°C | 4.89 | |
| Cdc Tj = 25 °C | 0.98 | |
| Pdc Tj = 20°C | 3.19 kW | |
| EER Tj = 20°C | 6.85 | |
| Cdc Tj = 20 °C | 0.97 | |
| Poff | 14 W | |
| PTO | 14 W | |
| PSB | 14 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1381 kWh | |

Model NIMBUS PLUS 80 S-T NET R32

| | |
|-------------------------------------|--|
| Model name | NIMBUS PLUS 80 S-T NET R32 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Colder, Warmer, Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.00 kW | 5.80 kW |
| El input | 1.67 kW | 1.97 kW |
| COP | 4.80 | 2.95 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.26 kW | 1.49 kW |
| Cooling capacity | 7 | 7.00 |
| EER | 3.10 | 4.70 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 8.37 kW | 7.62 kW |
| η _s | 195 % | 140 % |
| Prated | 8.37 kW | 7.62 kW |
| SCOP | 4.95 | 3.57 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.40 kW | 6.74 kW |
| COP Tj = -7°C | 3.10 | 2.29 |
| Cdh Tj = -7 °C | 0.994 | 0.995 |
| Pdh Tj = +2°C | 4.54 kW | 4.22 kW |
| COP Tj = +2°C | 4.80 | 3.51 |
| Cdh Tj = +2 °C | 0.986 | 0.989 |
| Pdh Tj = +7°C | 2.94 kW | 2.74 kW |
| COP Tj = +7°C | 6.61 | 4.36 |
| Cdh Tj = +7 °C | 0.969 | 0.978 |
| Pdh Tj = 12°C | 3.16 kW | 3.28 kW |
| COP Tj = 12°C | 8.15 | 6.50 |
| Cdh Tj = +12 °C | 0.965 | 0.973 |
| Pdh Tj = Tbiv | 7.40 kW | 6.74 kW |
| COP Tj = Tbiv | 3.10 | 2.29 |
| 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 | 0.994 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.86 kW | 2.72 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 3490 kWh | 4405 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| Pdesignh | 11.78 kW | 11.53 kW |
| η_s | 154 % | 120 % |
| Prated | 11.78 kW | 11.53 kW |
| SCOP | 3.93 | 3.08 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.13 kW | 6.98 kW |

| | | |
|---|-------------|-------------|
| COP Tj = -7°C | 3.47 | 2.73 |
| Cdh Tj = -7 °C | 0.993 | 0.995 |
| Pdh Tj = +2°C | 4.51 kW | 4.20 kW |
| COP Tj = +2°C | 5.32 | 4.07 |
| Cdh Tj = +2 °C | 0.984 | 0.987 |
| Pdh Tj = +7°C | 3.06 kW | 2.84 kW |
| COP Tj = +7°C | 7.24 | 5.15 |
| Cdh Tj = +7 °C | 0.968 | 0.975 |
| Pdh Tj = 12°C | 3.18 kW | 3.24 kW |
| COP Tj = 12°C | 8.02 | 6.47 |
| Cdh Tj = +12 °C | 0.966 | 0.973 |
| Pdh Tj = Tbiv | 7.13 kW | 6.98 kW |
| COP Tj = Tbiv | 3.47 | 2.70 |
| 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 | 0.993 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 11.16 kW | 10.93 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7398 kWh | 9226 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| Pdesignh | 4.93 kW | 4.48 kW |
| ηs | 242 % | 151 % |
| Prated | 4.93 kW | 4.48 kW |
| SCOP | 6.14 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = +2°C | 4.93 kW | 4.48 kW |
| COP Tj = +2°C | 4.05 | 2.53 |
| Cdh Tj = +2 °C | 0.989 | 0.992 |
| Pdh Tj = +7°C | 3.10 kW | 2.81 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 5.70 | 3.08 |
| Cdh Tj = +7 °C | 0.975 | 0.985 |
| Pdh Tj = 12°C | 3.28 kW | 3.16 kW |
| COP Tj = 12°C | 7.86 | 5.45 |
| Cdh Tj = +12 °C | 0.967 | 0.977 |
| Pdh Tj = Tbiv | 4.93 kW | 4.48 kW |
| COP Tj = Tbiv | 4.05 | 2.53 |
| 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 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 1073 kWh | 1557 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7 kW | |
| SEER | 4.64 | |
| Pdc Tj = 35°C | 7 kW | |
| EER Tj = 35°C | 3.1 | |
| Pdc Tj = 30°C | 5.17 kW | |
| EER Tj = 30°C | 4.13 | |
| Cdc Tj = 30 °C | 0.99 | |
| Pdc Tj = 25°C | 3.32 kW | |
| EER Tj = 25°C | 4.89 | |
| Cdc Tj = 25 °C | 0.98 | |
| Pdc Tj = 20°C | 3.19 kW | |
| EER Tj = 20°C | 6.85 | |
| Cdc Tj = 20 °C | 0.97 | |
| Poff | 14 W | |
| PTO | 14 W | |
| PSB | 14 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1381 kWh | |

Model ARIANEXT PLUS 80 S LINK R32

| | |
|-------------------------------------|--|
| Model name | ARIANEXT PLUS 80 S LINK R32 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Colder, Warmer, Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.00 kW | 5.80 kW |
| El input | 1.67 kW | 1.97 kW |
| COP | 4.80 | 2.95 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.26 kW | 1.49 kW |
| Cooling capacity | 7 | 7.00 |
| EER | 3.10 | 4.70 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 8.37 kW | 7.62 kW |
| η _s | 195 % | 140 % |
| Prated | 8.37 kW | 7.62 kW |
| SCOP | 4.95 | 3.57 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.40 kW | 6.74 kW |
| COP Tj = -7°C | 3.10 | 2.29 |
| Cdh Tj = -7 °C | 0.994 | 0.995 |
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| Pdh Tj = Tbiv | 7.40 kW | 6.74 kW |
| COP Tj = Tbiv | 3.10 | 2.29 |
| 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 | 0.994 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.86 kW | 2.72 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 3490 kWh | 4405 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| Pdesignh | 11.78 kW | 11.53 kW |
| η_s | 154 % | 120 % |
| Prated | 11.78 kW | 11.53 kW |
| SCOP | 3.93 | 3.08 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.13 kW | 6.98 kW |

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| Cdh Tj = -7 °C | 0.993 | 0.995 |
| Pdh Tj = +2°C | 4.51 kW | 4.20 kW |
| COP Tj = +2°C | 5.32 | 4.07 |
| Cdh Tj = +2 °C | 0.984 | 0.987 |
| Pdh Tj = +7°C | 3.06 kW | 2.84 kW |
| COP Tj = +7°C | 7.24 | 5.15 |
| Cdh Tj = +7 °C | 0.968 | 0.975 |
| Pdh Tj = 12°C | 3.18 kW | 3.24 kW |
| COP Tj = 12°C | 8.02 | 6.47 |
| Cdh Tj = +12 °C | 0.966 | 0.973 |
| Pdh Tj = Tbiv | 7.13 kW | 6.98 kW |
| COP Tj = Tbiv | 3.47 | 2.70 |
| 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 | 0.993 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 11.16 kW | 10.93 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7398 kWh | 9226 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| Pdesignh | 4.93 kW | 4.48 kW |
| ηs | 242 % | 151 % |
| Prated | 4.93 kW | 4.48 kW |
| SCOP | 6.14 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = +2°C | 4.93 kW | 4.48 kW |
| COP Tj = +2°C | 4.05 | 2.53 |
| Cdh Tj = +2 °C | 0.989 | 0.992 |
| Pdh Tj = +7°C | 3.10 kW | 2.81 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 5.70 | 3.08 |
| Cdh Tj = +7 °C | 0.975 | 0.985 |
| Pdh Tj = 12°C | 3.28 kW | 3.16 kW |
| COP Tj = 12°C | 7.86 | 5.45 |
| Cdh Tj = +12 °C | 0.967 | 0.977 |
| Pdh Tj = Tbiv | 4.93 kW | 4.48 kW |
| COP Tj = Tbiv | 4.05 | 2.53 |
| 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 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 1073 kWh | 1557 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7 kW | |
| SEER | 4.64 | |
| Pdc Tj = 35°C | 7 kW | |
| EER Tj = 35°C | 3.1 | |
| Pdc Tj = 30°C | 5.17 kW | |
| EER Tj = 30°C | 4.13 | |
| Cdc Tj = 30 °C | 0.99 | |
| Pdc Tj = 25°C | 3.32 kW | |
| EER Tj = 25°C | 4.89 | |
| Cdc Tj = 25 °C | 0.98 | |
| Pdc Tj = 20°C | 3.19 kW | |
| EER Tj = 20°C | 6.85 | |
| Cdc Tj = 20 °C | 0.97 | |
| Poff | 14 W | |
| PTO | 14 W | |
| PSB | 14 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1381 kWh | |

Model ARIANEXT PLUS 80 S-T LINK R32

| | |
|-------------------------------------|--|
| Model name | ARIANEXT PLUS 80 S-T LINK R32 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Colder, Warmer, Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.00 kW | 5.80 kW |
| El input | 1.67 kW | 1.97 kW |
| COP | 4.80 | 2.95 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.26 kW | 1.49 kW |
| Cooling capacity | 7 | 7.00 |
| EER | 3.10 | 4.70 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 8.37 kW | 7.62 kW |
| η _s | 195 % | 140 % |
| Prated | 8.37 kW | 7.62 kW |
| SCOP | 4.95 | 3.57 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.40 kW | 6.74 kW |
| COP Tj = -7°C | 3.10 | 2.29 |
| Cdh Tj = -7 °C | 0.994 | 0.995 |
| Pdh Tj = +2°C | 4.54 kW | 4.22 kW |
| COP Tj = +2°C | 4.80 | 3.51 |
| Cdh Tj = +2 °C | 0.986 | 0.989 |
| Pdh Tj = +7°C | 2.94 kW | 2.74 kW |
| COP Tj = +7°C | 6.61 | 4.36 |
| Cdh Tj = +7 °C | 0.969 | 0.978 |
| Pdh Tj = 12°C | 3.16 kW | 3.28 kW |
| COP Tj = 12°C | 8.15 | 6.50 |
| Cdh Tj = +12 °C | 0.965 | 0.973 |
| Pdh Tj = Tbiv | 7.40 kW | 6.74 kW |
| COP Tj = Tbiv | 3.10 | 2.29 |
| 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 | 0.994 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.86 kW | 2.72 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 3490 kWh | 4405 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| Pdesignh | 11.78 kW | 11.53 kW |
| η_s | 154 % | 120 % |
| Prated | 11.78 kW | 11.53 kW |
| SCOP | 3.93 | 3.08 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.13 kW | 6.98 kW |

| | | |
|---|-------------|-------------|
| COP Tj = -7°C | 3.47 | 2.73 |
| Cdh Tj = -7 °C | 0.993 | 0.995 |
| Pdh Tj = +2°C | 4.51 kW | 4.20 kW |
| COP Tj = +2°C | 5.32 | 4.07 |
| Cdh Tj = +2 °C | 0.984 | 0.987 |
| Pdh Tj = +7°C | 3.06 kW | 2.84 kW |
| COP Tj = +7°C | 7.24 | 5.15 |
| Cdh Tj = +7 °C | 0.968 | 0.975 |
| Pdh Tj = 12°C | 3.18 kW | 3.24 kW |
| COP Tj = 12°C | 8.02 | 6.47 |
| Cdh Tj = +12 °C | 0.966 | 0.973 |
| Pdh Tj = Tbiv | 7.13 kW | 6.98 kW |
| COP Tj = Tbiv | 3.47 | 2.70 |
| 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 | 0.993 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 11.16 kW | 10.93 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7398 kWh | 9226 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| Pdesignh | 4.93 kW | 4.48 kW |
| ηs | 242 % | 151 % |
| Prated | 4.93 kW | 4.48 kW |
| SCOP | 6.14 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = +2°C | 4.93 kW | 4.48 kW |
| COP Tj = +2°C | 4.05 | 2.53 |
| Cdh Tj = +2 °C | 0.989 | 0.992 |
| Pdh Tj = +7°C | 3.10 kW | 2.81 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 5.70 | 3.08 |
| Cdh Tj = +7 °C | 0.975 | 0.985 |
| Pdh Tj = 12°C | 3.28 kW | 3.16 kW |
| COP Tj = 12°C | 7.86 | 5.45 |
| Cdh Tj = +12 °C | 0.967 | 0.977 |
| Pdh Tj = Tbiv | 4.93 kW | 4.48 kW |
| COP Tj = Tbiv | 4.05 | 2.53 |
| 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 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 1073 kWh | 1557 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7 kW | |
| SEER | 4.64 | |
| Pdc Tj = 35°C | 7 kW | |
| EER Tj = 35°C | 3.1 | |
| Pdc Tj = 30°C | 5.17 kW | |
| EER Tj = 30°C | 4.13 | |
| Cdc Tj = 30 °C | 0.99 | |
| Pdc Tj = 25°C | 3.32 kW | |
| EER Tj = 25°C | 4.89 | |
| Cdc Tj = 25 °C | 0.98 | |
| Pdc Tj = 20°C | 3.19 kW | |
| EER Tj = 20°C | 6.85 | |
| Cdc Tj = 20 °C | 0.97 | |
| Poff | 14 W | |
| PTO | 14 W | |
| PSB | 14 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1381 kWh | |

Model AEROTOP SPLIT 08.2 M-RX

| | |
|-------------------------------------|--|
| Model name | AEROTOP SPLIT 08.2 M-RX |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Colder, Warmer, Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.00 kW | 5.80 kW |
| El input | 1.67 kW | 1.97 kW |
| COP | 4.80 | 2.95 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.26 kW | 1.49 kW |
| Cooling capacity | 7 | 7.00 |
| EER | 3.10 | 4.70 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 8.37 kW | 7.62 kW |
| η _s | 195 % | 140 % |
| Prated | 8.37 kW | 7.62 kW |
| SCOP | 4.95 | 3.57 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.40 kW | 6.74 kW |
| COP Tj = -7°C | 3.10 | 2.29 |
| Cdh Tj = -7 °C | 0.994 | 0.995 |
| Pdh Tj = +2°C | 4.54 kW | 4.22 kW |
| COP Tj = +2°C | 4.80 | 3.51 |
| Cdh Tj = +2 °C | 0.986 | 0.989 |
| Pdh Tj = +7°C | 2.94 kW | 2.74 kW |
| COP Tj = +7°C | 6.61 | 4.36 |
| Cdh Tj = +7 °C | 0.969 | 0.978 |
| Pdh Tj = 12°C | 3.16 kW | 3.28 kW |
| COP Tj = 12°C | 8.15 | 6.50 |
| Cdh Tj = +12 °C | 0.965 | 0.973 |
| Pdh Tj = Tbiv | 7.40 kW | 6.74 kW |
| COP Tj = Tbiv | 3.10 | 2.29 |
| 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 | 0.994 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.86 kW | 2.72 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 3490 kWh | 4405 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| Pdesignh | 11.78 kW | 11.53 kW |
| η_s | 154 % | 120 % |
| Prated | 11.78 kW | 11.53 kW |
| SCOP | 3.93 | 3.08 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.13 kW | 6.98 kW |

| | | |
|---|-------------|-------------|
| COP Tj = -7°C | 3.47 | 2.73 |
| Cdh Tj = -7 °C | 0.993 | 0.995 |
| Pdh Tj = +2°C | 4.51 kW | 4.20 kW |
| COP Tj = +2°C | 5.32 | 4.07 |
| Cdh Tj = +2 °C | 0.984 | 0.987 |
| Pdh Tj = +7°C | 3.06 kW | 2.84 kW |
| COP Tj = +7°C | 7.24 | 5.15 |
| Cdh Tj = +7 °C | 0.968 | 0.975 |
| Pdh Tj = 12°C | 3.18 kW | 3.24 kW |
| COP Tj = 12°C | 8.02 | 6.47 |
| Cdh Tj = +12 °C | 0.966 | 0.973 |
| Pdh Tj = Tbiv | 7.13 kW | 6.98 kW |
| COP Tj = Tbiv | 3.47 | 2.70 |
| 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 | 0.993 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 11.16 kW | 10.93 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7398 kWh | 9226 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| Pdesignh | 4.93 kW | 4.48 kW |
| ηs | 242 % | 151 % |
| Prated | 4.93 kW | 4.48 kW |
| SCOP | 6.14 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = +2°C | 4.93 kW | 4.48 kW |
| COP Tj = +2°C | 4.05 | 2.53 |
| Cdh Tj = +2 °C | 0.989 | 0.992 |
| Pdh Tj = +7°C | 3.10 kW | 2.81 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 5.70 | 3.08 |
| Cdh Tj = +7 °C | 0.975 | 0.985 |
| Pdh Tj = 12°C | 3.28 kW | 3.16 kW |
| COP Tj = 12°C | 7.86 | 5.45 |
| Cdh Tj = +12 °C | 0.967 | 0.977 |
| Pdh Tj = Tbiv | 4.93 kW | 4.48 kW |
| COP Tj = Tbiv | 4.05 | 2.53 |
| 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 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 1073 kWh | 1557 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7 kW | |
| SEER | 4.64 | |
| Pdc Tj = 35°C | 7 kW | |
| EER Tj = 35°C | 3.1 | |
| Pdc Tj = 30°C | 5.17 kW | |
| EER Tj = 30°C | 4.13 | |
| Cdc Tj = 30 °C | 0.99 | |
| Pdc Tj = 25°C | 3.32 kW | |
| EER Tj = 25°C | 4.89 | |
| Cdc Tj = 25 °C | 0.98 | |
| Pdc Tj = 20°C | 3.19 kW | |
| EER Tj = 20°C | 6.85 | |
| Cdc Tj = 20 °C | 0.97 | |
| Poff | 14 W | |
| PTO | 14 W | |
| PSB | 14 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1381 kWh | |

Model AEROTOP SPLIT 08.2 M-R

| | |
|-------------------------------------|--|
| Model name | AEROTOP SPLIT 08.2 M-R |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Colder, Warmer, Warmer Climate, Colder Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

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

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 8.00 kW | 5.80 kW |
| El input | 1.67 kW | 1.97 kW |
| COP | 4.80 | 2.95 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.26 kW | 1.49 kW |
| Cooling capacity | 7 | 7.00 |
| EER | 3.10 | 4.70 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------------|-----------------|--------------------|
| P _{designh} | 8.37 kW | 7.62 kW |
| η _s | 195 % | 140 % |
| Prated | 8.37 kW | 7.62 kW |
| SCOP | 4.95 | 3.57 |

| | | |
|---|-------------|-------------|
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.40 kW | 6.74 kW |
| COP Tj = -7°C | 3.10 | 2.29 |
| Cdh Tj = -7 °C | 0.994 | 0.995 |
| Pdh Tj = +2°C | 4.54 kW | 4.22 kW |
| COP Tj = +2°C | 4.80 | 3.51 |
| Cdh Tj = +2 °C | 0.986 | 0.989 |
| Pdh Tj = +7°C | 2.94 kW | 2.74 kW |
| COP Tj = +7°C | 6.61 | 4.36 |
| Cdh Tj = +7 °C | 0.969 | 0.978 |
| Pdh Tj = 12°C | 3.16 kW | 3.28 kW |
| COP Tj = 12°C | 8.15 | 6.50 |
| Cdh Tj = +12 °C | 0.965 | 0.973 |
| Pdh Tj = Tbiv | 7.40 kW | 6.74 kW |
| COP Tj = Tbiv | 3.10 | 2.29 |
| 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 | 0.994 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 2.86 kW | 2.72 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 3490 kWh | 4405 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| Pdesignh | 11.78 kW | 11.53 kW |
| η_s | 154 % | 120 % |
| Prated | 11.78 kW | 11.53 kW |
| SCOP | 3.93 | 3.08 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 7.13 kW | 6.98 kW |

| | | |
|---|-------------|-------------|
| COP Tj = -7°C | 3.47 | 2.73 |
| Cdh Tj = -7 °C | 0.993 | 0.995 |
| Pdh Tj = +2°C | 4.51 kW | 4.20 kW |
| COP Tj = +2°C | 5.32 | 4.07 |
| Cdh Tj = +2 °C | 0.984 | 0.987 |
| Pdh Tj = +7°C | 3.06 kW | 2.84 kW |
| COP Tj = +7°C | 7.24 | 5.15 |
| Cdh Tj = +7 °C | 0.968 | 0.975 |
| Pdh Tj = 12°C | 3.18 kW | 3.24 kW |
| COP Tj = 12°C | 8.02 | 6.47 |
| Cdh Tj = +12 °C | 0.966 | 0.973 |
| Pdh Tj = Tbiv | 7.13 kW | 6.98 kW |
| COP Tj = Tbiv | 3.47 | 2.70 |
| 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 | 0.993 | 0.995 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 11.16 kW | 10.93 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 7398 kWh | 9226 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 37 dB(A) | 37 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| Pdesignh | 4.93 kW | 4.48 kW |
| ηs | 242 % | 151 % |
| Prated | 4.93 kW | 4.48 kW |
| SCOP | 6.14 | 3.84 |
| Tbiv | 2 °C | 2 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = +2°C | 4.93 kW | 4.48 kW |
| COP Tj = +2°C | 4.05 | 2.53 |
| Cdh Tj = +2 °C | 0.989 | 0.992 |
| Pdh Tj = +7°C | 3.10 kW | 2.81 kW |

| | | |
|---|-------------|-------------|
| COP Tj = +7°C | 5.70 | 3.08 |
| Cdh Tj = +7 °C | 0.975 | 0.985 |
| Pdh Tj = 12°C | 3.28 kW | 3.16 kW |
| COP Tj = 12°C | 7.86 | 5.45 |
| Cdh Tj = +12 °C | 0.967 | 0.977 |
| Pdh Tj = Tbiv | 4.93 kW | 4.48 kW |
| COP Tj = Tbiv | 4.05 | 2.53 |
| 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 |
| WTOL | 60 °C | 60 °C |
| Poff | 14 W | 14 W |
| PTO | 14 W | 14 W |
| PSB | 14 W | 14 W |
| PCK | 14 W | 14 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Backup Heater | 4.00 kW | 4.00 kW |
| Annual energy consumption Qhe | 1073 kWh | 1557 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7 kW | |
| SEER | 4.64 | |
| Pdc Tj = 35°C | 7 kW | |
| EER Tj = 35°C | 3.1 | |
| Pdc Tj = 30°C | 5.17 kW | |
| EER Tj = 30°C | 4.13 | |
| Cdc Tj = 30 °C | 0.99 | |
| Pdc Tj = 25°C | 3.32 kW | |
| EER Tj = 25°C | 4.89 | |
| Cdc Tj = 25 °C | 0.98 | |
| Pdc Tj = 20°C | 3.19 kW | |
| EER Tj = 20°C | 6.85 | |
| Cdc Tj = 20 °C | 0.97 | |
| Poff | 14 W | |
| PTO | 14 W | |
| PSB | 14 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1381 kWh | |