

Subtype TTF\TTC 5.5

| | |
|---------------------|--|
| Certificate Holder | tecalor GmbH |
| Address | Lüchtringer Weg 3 |
| ZIP | 37603 |
| City | Holzminden |
| Country | DE |
| Certification Body | RISE CERT |
| Subtype title | TTF\TTC 5.5 |
| Registration number | 012-C700168 |
| Heat Pump Type | Brine/Water and Water/Water |
| Refrigerant | R452B |
| Mass of Refrigerant | 0.575 kg |
| Certification Date | 22.02.2023 |
| Testing basis | EN 14511:2018, EN 14825:2018, EN 12102:2017. |
| Testing laboratory | RISE Research Institutes of Sweden |

Model TTC 5.5

| | |
|-------------------------------------|--|
| Model name | TTC 5.5 |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate zone (for heating) | Colder, Warmer, Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | Yes |

Brine/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 5.56 kW | 5.00 kW |
| El input | 1.26 kW | 1.80 kW |
| COP | 4.40 | 2.78 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 42 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 181 % | 135 % |
| Prated | 6.03 kW | 6.33 kW |
| SCOP | 4.74 | 3.56 |
| Tbiv | -8 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.58 kW | 5.14 kW |
| COP Tj = -7°C | 4.51 | 3.07 |
| Cdh Tj = -7 °C | 0.990 | 1.000 |
| Pdh Tj = +2°C | 5.64 kW | 5.23 kW |
| COP Tj = +2°C | 4.74 | 3.60 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 5.69 kW | 5.31 kW |
| COP Tj = +7°C | 4.99 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 5.75 kW | 5.39 kW |
| COP Tj = 12°C | 5.25 | 4.27 |
| Cdh Tj = +12 °C | 0.990 | 0.990 |
| Pdh Tj = Tbiv | 5.57 kW | 5.12 kW |
| COP Tj = Tbiv | 4.47 | 3.21 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.54 kW | 5.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.39 | 2.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 65 °C | 65 °C |
| Poff | 4 W | 4 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.49 kW | 1.33 kW |
| Annual energy consumption Qhe | 2630 kWh | 3672 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 42 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| ηs | 187 % | 138 % |
| Prated | 6.26 kW | 6.07 kW |
| SCOP | 4.87 | 3.65 |
| Tbiv | -18 °C | -16 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.65 kW | 5.19 kW |
| COP Tj = -7°C | 4.80 | 3.47 |
| Cdh Tj = -7 °C | 0.990 | 1.000 |
| Pdh Tj = +2°C | 5.70 kW | 5.29 kW |
| COP Tj = +2°C | 5.02 | 3.86 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 5.73 kW | 5.37 kW |
| COP Tj = +7°C | 5.18 | 4.17 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.74 kW | 5.43 kW |
| COP Tj = 12°C | 5.22 | 4.40 |
| Cdh Tj = +12 °C | 0.990 | 0.990 |
| Pdh Tj = Tbiv | 5.60 kW | 5.11 kW |
| COP Tj = Tbiv | 4.60 | 3.21 |

| | | |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.54 kW | 5.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.39 | 2.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 65 °C | 65 °C |
| Poff | 4 W | 4 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.72 kW | 1.07 kW |
| Annual energy consumption Qhe | 3170 kWh | 4104 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 42 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| ηs | 183 % | 135 % |
| Prated | 6.53 kW | 6.00 kW |
| SCOP | 4.78 | 3.58 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.54 kW | 5.00 kW |
| COP Tj = +2°C | 4.39 | 2.77 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 5.63 kW | 5.15 kW |
| COP Tj = +7°C | 4.72 | 3.34 |
| Cdh Tj = +7 °C | 0.990 | 1.000 |
| Pdh Tj = 12°C | 5.71 kW | 5.34 kW |
| COP Tj = 12°C | 5.09 | 4.04 |
| Cdh Tj = +12 °C | 0.990 | 0.990 |
| Pdh Tj = Tbiv | 5.60 kW | 5.14 kW |
| COP Tj = Tbiv | 4.59 | 3.11 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.54 kW | 5.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.39 | 2.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 65 °C | 65 °C |
| Poff | 4 W | 4 W |
| PTO | 7 W | 7 W |

| | | |
|--|-------------|-------------|
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.99 kW | 1.00 kW |
| Annual energy consumption Q _{he} | 1825 kWh | 2237 kWh |

Water/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 7.21 kW | 6.66 kW |
| El input | 1.27 kW | 1.86 kW |
| COP | 5.70 | 3.57 |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 237 % | 175 % |
| Prated | 7.85 kW | 8.07 kW |
| SCOP | 6.12 | 4.58 |
| T _{biv} | -8 °C | -6 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 7.26 kW | 6.78 kW |
| COP T _j = -7°C | 5.85 | 3.85 |
| C _{dh} T _j = -7 °C | 0.990 | 1.000 |
| P _{dh} T _j = +2°C | 7.32 kW | 7.02 kW |
| COP T _j = +2°C | 6.14 | 4.60 |
| C _{dh} T _j = +2 °C | 0.990 | 1.000 |
| P _{dh} T _j = +7°C | 7.36 kW | 7.15 kW |
| COP T _j = +7°C | 6.43 | 5.12 |
| C _{dh} T _j = +7 °C | 0.990 | 1.000 |
| P _{dh} T _j = 12°C | 7.37 kW | 7.27 kW |
| COP T _j = 12°C | 6.71 | 5.70 |
| C _{dh} T _j = +12 °C | 0.990 | 0.990 |
| P _{dh} T _j = T _{biv} | 7.24 kW | 6.83 kW |
| COP T _j = T _{biv} | 5.80 | 3.96 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 7.21 kW | 6.66 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 5.70 | 3.57 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 65 °C | 65 °C |
| Poff | 4 W | 4 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.64 kW | 1.41 kW |
| Annual energy consumption Qhe | 2651 kWh | 3641 kWh |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 243 % | 181 % |
| Prated | 8.14 kW | 8.16 kW |
| SCOP | 6.27 | 4.72 |
| Tbiv | -18 °C | -16 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.34 kW | 6.98 kW |
| COP Tj = -7°C | 6.22 | 4.45 |
| Cdh Tj = -7 °C | 0.990 | 0.996 |
| Pdh Tj = +2°C | 7.36 kW | 7.13 kW |
| COP Tj = +2°C | 6.46 | 5.02 |
| Cdh Tj = +2 °C | 0.990 | 0.995 |
| Pdh Tj = +7°C | 7.37 kW | 7.24 kW |
| COP Tj = +7°C | 6.64 | 5.52 |
| Cdh Tj = +7 °C | 0.990 | 0.995 |
| Pdh Tj = 12°C | 7.37 kW | 7.31 kW |
| COP Tj = 12°C | 6.68 | 5.94 |
| Cdh Tj = +12 °C | 0.990 | 0.994 |
| Pdh Tj = Tbiv | 7.29 kW | 6.87 kW |
| COP Tj = Tbiv | 5.96 | 4.07 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.21 kW | 6.66 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 5.70 | 3.57 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.996 |
| WTOL | 65 °C | 65 °C |
| Poff | 4 W | 4 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.93 kW | 1.50 kW |

| | | |
|---|----------|----------|
| Annual energy consumption Q _{he} | 3199 kWh | 4265 kWh |
|---|----------|----------|

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 238 % | 177 % |
| Prated | 7.81 kW | 7.94 kW |
| SCOP | 6.16 | 4.62 |
| T _{biv} | 3 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| P _{dh} T _j = +2°C | 7.21 kW | 6.66 kW |
| COP T _j = +2°C | 5.70 | 3.57 |
| C _{dh} T _j = +2 °C | 0.990 | 1.000 |
| P _{dh} T _j = +7°C | 7.31 kW | 6.93 kW |
| COP T _j = +7°C | 6.07 | 4.25 |
| C _{dh} T _j = +7 °C | 0.990 | 1.000 |
| P _{dh} T _j = 12°C | 7.37 kW | 7.19 kW |
| COP T _j = 12°C | 6.53 | 5.31 |
| C _{dh} T _j = +12 °C | 0.990 | 0.990 |
| P _{dh} T _j = T _{biv} | 7.25 kW | 6.81 kW |
| COP T _j = T _{biv} | 5.82 | 3.91 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 7.21 kW | 6.66 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 5.70 | 3.57 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.990 | 1.000 |
| WTOL | 65 °C | 65 °C |
| P _{off} | 4 W | 4 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.60 kW | 1.28 kW |
| Annual energy consumption Q _{he} | 1694 kWh | 2299 kWh |

Model TTF 5.5

| | |
|-------------------------------------|--|
| Model name | TTF 5.5 |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate zone (for heating) | Colder, Warmer, Warmer Climate, Colder Climate |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | Yes |

Brine/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 5.56 kW | 5.00 kW |
| El input | 1.26 kW | 1.80 kW |
| COP | 4.40 | 2.78 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 42 dB(A) | 44 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 181 % | 135 % |
| Prated | 6.03 kW | 6.33 kW |
| SCOP | 4.74 | 3.56 |
| Tbiv | -8 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.58 kW | 5.14 kW |
| COP Tj = -7°C | 4.51 | 3.07 |
| Cdh Tj = -7 °C | 0.990 | 1.000 |
| Pdh Tj = +2°C | 5.64 kW | 5.23 kW |
| COP Tj = +2°C | 4.74 | 3.60 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 5.69 kW | 5.31 kW |
| COP Tj = +7°C | 4.99 | 3.94 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |

| | | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 5.75 kW | 5.39 kW |
| COP Tj = 12°C | 5.25 | 4.27 |
| Cdh Tj = +12 °C | 0.990 | 0.990 |
| Pdh Tj = Tbiv | 5.57 kW | 5.12 kW |
| COP Tj = Tbiv | 4.47 | 3.21 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.54 kW | 5.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.39 | 2.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 65 °C | 65 °C |
| Poff | 4 W | 4 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.49 kW | 1.33 kW |
| Annual energy consumption Qhe | 2630 kWh | 3672 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 42 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| ηs | 187 % | 138 % |
| Prated | 6.26 kW | 6.07 kW |
| SCOP | 4.87 | 3.65 |
| Tbiv | -18 °C | -16 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 5.65 kW | 5.19 kW |
| COP Tj = -7°C | 4.80 | 3.47 |
| Cdh Tj = -7 °C | 0.990 | 1.000 |
| Pdh Tj = +2°C | 5.70 kW | 5.29 kW |
| COP Tj = +2°C | 5.02 | 3.86 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 5.73 kW | 5.37 kW |
| COP Tj = +7°C | 5.18 | 4.17 |
| Cdh Tj = +7 °C | 0.990 | 0.990 |
| Pdh Tj = 12°C | 5.74 kW | 5.43 kW |
| COP Tj = 12°C | 5.22 | 4.40 |
| Cdh Tj = +12 °C | 0.990 | 0.990 |
| Pdh Tj = Tbiv | 5.60 kW | 5.11 kW |
| COP Tj = Tbiv | 4.60 | 3.21 |

| | | |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.54 kW | 5.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.39 | 2.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 65 °C | 65 °C |
| Poff | 4 W | 4 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.72 kW | 1.07 kW |
| Annual energy consumption Qhe | 3170 kWh | 4104 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 42 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 183 % | 135 % |
| Prated | 6.53 kW | 6.00 kW |
| SCOP | 4.78 | 3.58 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.54 kW | 5.00 kW |
| COP Tj = +2°C | 4.39 | 2.77 |
| Cdh Tj = +2 °C | 0.990 | 1.000 |
| Pdh Tj = +7°C | 5.63 kW | 5.15 kW |
| COP Tj = +7°C | 4.72 | 3.34 |
| Cdh Tj = +7 °C | 0.990 | 1.000 |
| Pdh Tj = 12°C | 5.71 kW | 5.34 kW |
| COP Tj = 12°C | 5.09 | 4.04 |
| Cdh Tj = +12 °C | 0.990 | 0.990 |
| Pdh Tj = Tbiv | 5.60 kW | 5.14 kW |
| COP Tj = Tbiv | 4.59 | 3.11 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.54 kW | 5.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.39 | 2.77 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 65 °C | 65 °C |
| Poff | 4 W | 4 W |
| PTO | 7 W | 7 W |

| | | |
|--|-------------|-------------|
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.99 kW | 1.00 kW |
| Annual energy consumption Q _{he} | 1825 kWh | 2237 kWh |

Water/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure passed

Starting and operating test passed

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 7.21 kW | 6.66 kW |
| El input | 1.27 kW | 1.86 kW |
| COP | 5.70 | 3.57 |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 237 % | 175 % |
| Prated | 7.85 kW | 8.07 kW |
| SCOP | 6.12 | 4.58 |
| T _{biv} | -8 °C | -6 °C |
| TOL | -10 °C | -10 °C |
| P _{dh} T _j = -7°C | 7.26 kW | 6.78 kW |
| COP T _j = -7°C | 5.85 | 3.85 |
| C _{dh} T _j = -7 °C | 0.990 | 1.000 |
| P _{dh} T _j = +2°C | 7.32 kW | 7.02 kW |
| COP T _j = +2°C | 6.14 | 4.60 |
| C _{dh} T _j = +2 °C | 0.990 | 1.000 |
| P _{dh} T _j = +7°C | 7.36 kW | 7.15 kW |
| COP T _j = +7°C | 6.43 | 5.12 |
| C _{dh} T _j = +7 °C | 0.990 | 1.000 |
| P _{dh} T _j = 12°C | 7.37 kW | 7.27 kW |
| COP T _j = 12°C | 6.71 | 5.70 |
| C _{dh} T _j = +12 °C | 0.990 | 0.990 |
| P _{dh} T _j = T _{biv} | 7.24 kW | 6.83 kW |
| COP T _j = T _{biv} | 5.80 | 3.96 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 7.21 kW | 6.66 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 5.70 | 3.57 |

| | | |
|---|-------------|-------------|
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 1.000 |
| WTOL | 65 °C | 65 °C |
| Poff | 4 W | 4 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.64 kW | 1.41 kW |
| Annual energy consumption Qhe | 2651 kWh | 3641 kWh |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 243 % | 181 % |
| Prated | 8.14 kW | 8.16 kW |
| SCOP | 6.27 | 4.72 |
| Tbiv | -18 °C | -16 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.34 kW | 6.98 kW |
| COP Tj = -7°C | 6.22 | 4.45 |
| Cdh Tj = -7 °C | 0.990 | 0.996 |
| Pdh Tj = +2°C | 7.36 kW | 7.13 kW |
| COP Tj = +2°C | 6.46 | 5.02 |
| Cdh Tj = +2 °C | 0.990 | 0.995 |
| Pdh Tj = +7°C | 7.37 kW | 7.24 kW |
| COP Tj = +7°C | 6.64 | 5.52 |
| Cdh Tj = +7 °C | 0.990 | 0.995 |
| Pdh Tj = 12°C | 7.37 kW | 7.31 kW |
| COP Tj = 12°C | 6.68 | 5.94 |
| Cdh Tj = +12 °C | 0.990 | 0.994 |
| Pdh Tj = Tbiv | 7.29 kW | 6.87 kW |
| COP Tj = Tbiv | 5.96 | 4.07 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.21 kW | 6.66 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 5.70 | 3.57 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.990 | 0.996 |
| WTOL | 65 °C | 65 °C |
| Poff | 4 W | 4 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.93 kW | 1.50 kW |

| | | |
|---|----------|----------|
| Annual energy consumption Q _{he} | 3199 kWh | 4265 kWh |
|---|----------|----------|

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 238 % | 177 % |
| Prated | 7.81 kW | 7.94 kW |
| SCOP | 6.16 | 4.62 |
| T _{biv} | 3 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| P _{dh} T _j = +2°C | 7.21 kW | 6.66 kW |
| COP T _j = +2°C | 5.70 | 3.57 |
| C _{dh} T _j = +2 °C | 0.990 | 1.000 |
| P _{dh} T _j = +7°C | 7.31 kW | 6.93 kW |
| COP T _j = +7°C | 6.07 | 4.25 |
| C _{dh} T _j = +7 °C | 0.990 | 1.000 |
| P _{dh} T _j = 12°C | 7.37 kW | 7.19 kW |
| COP T _j = 12°C | 6.53 | 5.31 |
| C _{dh} T _j = +12 °C | 0.990 | 0.990 |
| P _{dh} T _j = T _{biv} | 7.25 kW | 6.81 kW |
| COP T _j = T _{biv} | 5.82 | 3.91 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 7.21 kW | 6.66 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 5.70 | 3.57 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.990 | 1.000 |
| WTOL | 65 °C | 65 °C |
| P _{off} | 4 W | 4 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.60 kW | 1.28 kW |
| Annual energy consumption Q _{he} | 1694 kWh | 2299 kWh |