

Subtype Buderus Logatherm WLW-4 SP AR

| | |
|---------------------|---|
| Certificate Holder | Bosch Thermotechnik GmbH (Buderus) |
| Address | Sophienstraße 30-32 |
| ZIP | 35576 |
| City | Wetzlar |
| Country | DE |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title | Buderus Logatherm WLW-4 SP AR |
| Registration number | 011-1W0538 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.1 kg |
| Certification Date | 10.06.2022 |
| Testing basis | European KEYMARK Scheme for Heat Pumps Version 12 (2023-03) |

Model WLW166i-4 SP AR T190

| | |
|-------------------------------------|--------------------------------|
| Model name | WLW166i-4 SP AR T190 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Heat Source | Outdoor Air |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | No |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 125 % |
| COP | 3.02 |
| Heating up time | 02:34 h:min |
| Standby power input | 38 W |
| Reference hot water temperature | 53.7 °C |
| Mixed water at 40°C | 279 l |

EN 16147 | Colder Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 100 % |
| COP | 2.42 |
| Heating up time | 02:44 h:min |
| Standby power input | 41 W |
| Reference hot water temperature | 53.5 °C |
| Mixed water at 40°C | 270 l |

EN 16147 | Warmer Climate

| | |
|---------------------------------|-------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 152 % |
| COP | 3.68 |
| Heating up time | 02:30 h:min |
| Standby power input | 33 W |
| Reference hot water temperature | 53.6 °C |
| Mixed water at 40°C | 277 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 5.21 kW | 3.9 kW |
| El input | 1.12 kW | 1.44 kW |
| COP | 4.67 | 2.7 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 186 % | 125 % |
| Prated | 5 kW | 5.6 kW |
| SCOP | 4.72 | 3.20 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.36 kW | 3.80 kW |
| COP Tj = -7°C | 2.96 | 1.92 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.73 kW | 3.30 kW |
| COP Tj = +2°C | 4.68 | 3.27 |
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.34 kW | 2.01 kW |
| COP Tj = +7°C | 6.07 | 4.24 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 2.77 kW | 2.51 kW |
| COP Tj = 12°C | 8.02 | 5.80 |
| Cdh Tj = +12 °C | 0.97 | 0.97 |
| Pdh Tj = Tbiv | 4.36 kW | 4.15 kW |
| COP Tj = Tbiv | 2.96 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.93 kW | 2.58 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.48 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |

| | | |
|--|-------------|-------------|
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.07 kW | 3.00 kW |
| Annual energy consumption Q _{he} | 2186 kWh | 3613 kWh |

EN 12102-1 | Colder Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Colder Climate

| | | |
|---|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_s | 148 % | 108 % |
| Prated | 5 kW | 5 kW |
| SCOP | 3.77 | 2.76 |
| T _{biv} | -12 °C | -11 °C |
| TOL | -20 °C | -17 °C |
| P _{dh} T _j = -7°C | 3.15 kW | 3.18 kW |
| COP T _j = -7°C | 3.4 | 2.44 |
| C _{dh} T _j = -7 °C | 0.99 | 0.99 |
| P _{dh} T _j = +2°C | 1.9 kW | 1.89 kW |
| COP T _j = +2°C | 4.61 | 3.55 |
| C _{dh} T _j = +2 °C | 0.97 | 0.98 |
| P _{dh} T _j = +7°C | 2.27 kW | 1.62 kW |
| COP T _j = +7°C | 6.12 | 4.27 |
| C _{dh} T _j = +7 °C | 0.97 | 0.97 |
| P _{dh} T _j = 12°C | 2.09 kW | 1.79 kW |
| COP T _j = 12°C | 5.97 | 5.18 |
| C _{dh} T _j = +12 °C | 0.97 | 0.97 |
| P _{dh} T _j = T _{biv} | 3.69 kW | 3.39 kW |
| COP T _j = T _{biv} | 3 | 1.86 |
| P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 2.24 kW | 2.45 kW |
| COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh} | 1.59 | 1.4 |
| C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh} | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| P _{off} | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 5 kW | 5 kW |
| Annual energy consumption Q _{he} | 3267 kWh | 4461 kWh |

| | | |
|------------------------|------|------|
| Pdh Tj = -15°C (if TOL | 3.26 | 2.77 |
| COP Tj = -15°C (if TOL | 2.43 | 1.59 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 40 dB(A) | 40 dB(A) |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 240 % | 150 % |
| Prated | 5 kW | 5 kW |
| SCOP | 6.07 | 3.84 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 3.94 kW | 3.71 kW |
| COP Tj = +2°C | 3.55 | 2.12 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 3.3 kW | 3.28 kW |
| COP Tj = +7°C | 5.52 | 3.39 |
| Cdh Tj = +7 °C | 0.98 | 0.99 |
| Pdh Tj = 12°C | 2.76 kW | 2.32 kW |
| COP Tj = 12°C | 7.7 | 5.03 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 4.23 kW | 4.02 kW |
| COP Tj = Tbiv | 3.96 | 2.28 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.94 kW | 3.71 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.55 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.06 kW | 1.29 kW |
| Annual energy consumption Qhe | 1101 kWh | 1741 kWh |

Model WLW166i-4 SP AR E

| | |
|-------------------------------------|--------------------------------|
| Model name | WLW166i-4 SP AR E |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Heat Source | Outdoor Air |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | No |

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 5.21 kW | 3.9 kW |
| El input | 1.12 kW | 1.44 kW |
| COP | 4.67 | 2.7 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 186 % | 125 % |
| Prated | 5 kW | 5.6 kW |
| SCOP | 4.72 | 3.20 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.36 kW | 3.80 kW |
| COP Tj = -7°C | 2.96 | 1.92 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.73 kW | 3.30 kW |
| COP Tj = +2°C | 4.68 | 3.27 |

| | | |
|---|-------------|-------------|
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.34 kW | 2.01 kW |
| COP Tj = +7°C | 6.07 | 4.24 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 2.77 kW | 2.51 kW |
| COP Tj = 12°C | 8.02 | 5.80 |
| Cdh Tj = +12 °C | 0.97 | 0.97 |
| Pdh Tj = Tbiv | 4.36 kW | 4.15 kW |
| COP Tj = Tbiv | 2.96 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.93 kW | 2.58 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.48 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.07 kW | 3.00 kW |
| Annual energy consumption Qhe | 2186 kWh | 3613 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| ηs | 148 % | 108 % |
| Prated | 5 kW | 5 kW |
| SCOP | 3.77 | 2.76 |
| Tbiv | -12 °C | -11 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 3.15 kW | 3.18 kW |
| COP Tj = -7°C | 3.4 | 2.44 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 1.9 kW | 1.89 kW |
| COP Tj = +2°C | 4.61 | 3.55 |
| Cdh Tj = +2 °C | 0.97 | 0.98 |
| Pdh Tj = +7°C | 2.27 kW | 1.62 kW |
| COP Tj = +7°C | 6.12 | 4.27 |
| Cdh Tj = +7 °C | 0.97 | 0.97 |
| Pdh Tj = 12°C | 2.09 kW | 1.79 kW |

| | | |
|---|-------------|-------------|
| COP Tj = 12°C | 5.97 | 5.18 |
| Cdh Tj = +12 °C | 0.97 | 0.97 |
| Pdh Tj = Tbiv | 3.69 kW | 3.39 kW |
| COP Tj = Tbiv | 3 | 1.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.24 kW | 2.45 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.59 | 1.4 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 5 kW | 5 kW |
| Annual energy consumption Qhe | 3267 kWh | 4461 kWh |
| Pdh Tj = -15°C (if TOL | 3.26 | 2.77 |
| COP Tj = -15°C (if TOL | 2.43 | 1.59 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 240 % | 150 % |
| Prated | 5 kW | 5 kW |
| SCOP | 6.07 | 3.84 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 3.94 kW | 3.71 kW |
| COP Tj = +2°C | 3.55 | 2.12 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 3.3 kW | 3.28 kW |
| COP Tj = +7°C | 5.52 | 3.39 |
| Cdh Tj = +7 °C | 0.98 | 0.99 |
| Pdh Tj = 12°C | 2.76 kW | 2.32 kW |
| COP Tj = 12°C | 7.7 | 5.03 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 4.23 kW | 4.02 kW |
| COP Tj = Tbiv | 3.96 | 2.28 |

| | | |
|---|-------------|-------------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.94 kW | 3.71 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.55 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.06 kW | 1.29 kW |
| Annual energy consumption Qhe | 1101 kWh | 1741 kWh |

Model WLW166i-4 SP AR B

| | |
|-------------------------------------|--------------------------------|
| Model name | WLW166i-4 SP AR B |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | Warmer Climate, Colder Climate |
| Heat Source | Outdoor Air |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | No |

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

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

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 5.21 kW | 3.9 kW |
| El input | 1.12 kW | 1.44 kW |
| COP | 4.67 | 2.7 |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 186 % | 125 % |
| Prated | 5 kW | 5.6 kW |
| SCOP | 4.72 | 3.20 |
| Tbiv | -7 °C | -5 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 4.36 kW | 3.80 kW |
| COP Tj = -7°C | 2.96 | 1.92 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 2.73 kW | 3.30 kW |
| COP Tj = +2°C | 4.68 | 3.27 |

| | | |
|---|----------|----------|
| Cdh Tj = +2 °C | 0.98 | 0.99 |
| Pdh Tj = +7°C | 2.34 kW | 2.01 kW |
| COP Tj = +7°C | 6.07 | 4.24 |
| Cdh Tj = +7 °C | 0.97 | 0.98 |
| Pdh Tj = 12°C | 2.77 kW | 2.51 kW |
| COP Tj = 12°C | 8.02 | 5.80 |
| Cdh Tj = +12 °C | 0.97 | 0.97 |
| Pdh Tj = Tbiv | 4.36 kW | 4.15 kW |
| COP Tj = Tbiv | 2.96 | 2.14 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.93 kW | 2.58 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.68 | 1.48 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 1.07 kW | 3.00 kW |
| Annual energy consumption Qhe | 2186 kWh | 3613 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| ηs | 148 % | 108 % |
| Prated | 5 kW | 5 kW |
| SCOP | 3.77 | 2.76 |
| Tbiv | -12 °C | -11 °C |
| TOL | -20 °C | -17 °C |
| Pdh Tj = -7°C | 3.15 kW | 3.18 kW |
| COP Tj = -7°C | 3.4 | 2.44 |
| Cdh Tj = -7 °C | 0.99 | 0.99 |
| Pdh Tj = +2°C | 1.9 kW | 1.89 kW |
| COP Tj = +2°C | 4.61 | 3.55 |
| Cdh Tj = +2 °C | 0.97 | 0.98 |
| Pdh Tj = +7°C | 2.27 kW | 1.62 kW |
| COP Tj = +7°C | 6.12 | 4.27 |
| Cdh Tj = +7 °C | 0.97 | 0.97 |
| Pdh Tj = 12°C | 2.09 kW | 1.79 kW |

| | | |
|---|----------|----------|
| COP Tj = 12°C | 5.97 | 5.18 |
| Cdh Tj = +12 °C | 0.97 | 0.97 |
| Pdh Tj = Tbiv | 3.69 kW | 3.39 kW |
| COP Tj = Tbiv | 3 | 1.86 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 2.24 kW | 2.45 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 1.59 | 1.4 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 5 kW | 5 kW |
| Annual energy consumption Qhe | 3267 kWh | 4461 kWh |
| Pdh Tj = -15°C (if TOL | 3.26 | 2.77 |
| COP Tj = -15°C (if TOL | 2.43 | 1.59 |
| Cdh Tj = -15 °C | 0.99 | 0.99 |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 60 dB(A) | 60 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| ηs | 240 % | 150 % |
| Prated | 5 kW | 5 kW |
| SCOP | 6.07 | 3.84 |
| Tbiv | 4 °C | 4 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 3.94 kW | 3.71 kW |
| COP Tj = +2°C | 3.55 | 2.12 |
| Cdh Tj = +2 °C | 0.99 | 0.99 |
| Pdh Tj = +7°C | 3.3 kW | 3.28 kW |
| COP Tj = +7°C | 5.52 | 3.39 |
| Cdh Tj = +7 °C | 0.98 | 0.99 |
| Pdh Tj = 12°C | 2.76 kW | 2.32 kW |
| COP Tj = 12°C | 7.7 | 5.03 |
| Cdh Tj = +12 °C | 0.97 | 0.98 |
| Pdh Tj = Tbiv | 4.23 kW | 4.02 kW |
| COP Tj = Tbiv | 3.96 | 2.28 |

| | | |
|---|----------|----------|
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 3.94 kW | 3.71 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.55 | 2.12 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.99 | 0.99 |
| WTOL | 60 °C | 60 °C |
| Poff | 11 W | 11 W |
| PTO | 0 W | 0 W |
| PSB | 11 W | 11 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | n/a |
| Supplementary Heater: PSUP | 1.06 kW | 1.29 kW |
| Annual energy consumption Qhe | 1101 kWh | 1741 kWh |