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This information was generated by the HP KEYMARK database on 17 Dec 2020

| Buderus Logatherm WLW196i-8 AR and IR, Buderus Logatherm WLW196i.2-6 AR | Reg. No. | 011- 1W0129 |
|---|---|--|
| | | |
| Bosch Thermotechnik GmbH (Buderus) | | |
| Sophienstraße 30-32 | Zip | 35576 |
| Wetzlar | Country | Germany |
| DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| RISE Research Institutes of Sweden AB | | |
| Buderus Logatherm WLW196i-8 AR and IR, Buderus Logatherm WLW196i.2-6 AR | | |
| Outdoor Air/Water | | |
| R410a | | |
| 2.35 kg | | |
| 18.07.2017 | | |
| | WLW196i.2-6 AR Bosch Thermotechnik GmbH (Buderus) Sophienstraße 30-32 Wetzlar DIN CERTCO Gesellschaft für Konformitätsbewertung mbH RISE Research Institutes of Sweden AB Buderus Logatherm WLW196i-8 AR and IR, Buderus Logatherm W Outdoor Air/Water R410a 2.35 kg | WLW196i.2-6 AR Bosch Thermotechnik GmbH (Buderus) Sophienstraße 30-32 Wetzlar DIN CERTCO Gesellschaft für Konformitätsbewertung mbH RISE Research Institutes of Sweden AB Buderus Logatherm WLW196i-8 AR and IR, Buderus Logatherm WLW196i.2- Outdoor Air/Water R410a 2.35 kg |

Model: Buderus Logatherm WLW196i-8 ARE

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 3.32 kW | 2.84 kW |
| El input | 0.67 kW | 1.07 kW |
| СОР | 4.93 | 2.65 |
| Indoor water flow rate | 0.59 m³/h | 0.31 m³/h |

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



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 199 % | 143 % |
| Prated | 7.00 kW | 6.00 kW |
| SCOP | 5.05 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.30 kW | 5.10 kW |
| COP Tj = -7°C | 3.00 | 2.23 |
| Pdh Tj = +2°C | 4.00 kW | 3.10 kW |
| COP Tj = +2°C | 4.86 | 3.49 |
| Pdh Tj = +7°C | 2.70 kW | 2.80 kW |
| COP Tj = +7°C | 6.80 | 4.95 |
| Pdh Tj = 12°C | 1.80 kW | 3.50 kW |
| COP Tj = 12°C | 9.63 | 7.73 |
| Pdh Tj = Tbiv | 7.30 kW | 6.10 kW |



| COP Tj = Tbiv | 2.56 | 1.84 |
|--|----------|----------|
| Pdh Tj = TOL | 4.30 kW | 4.30 kW |
| COP Tj = TOL | 1.61 | 1.61 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 17 W | 17 W |
| PSB | 17 W | 17 W |
| PCK | 31 W | 31 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3161 kWh | 3585 kWh |



Model: Buderus Logatherm WLW196i-8 ARB

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 3.32 kW | 2.84 kW |
| El input | 0.67 kW | 1.07 kW |
| СОР | 4.93 | 2.65 |
| Indoor water flow rate | 0.59 m³/h | 0.31 m³/h |

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



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 199 % | 143 % |
| Prated | 7.00 kW | 6.00 kW |
| SCOP | 5.05 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.30 kW | 5.10 kW |
| COP Tj = -7°C | 3.00 | 2.23 |
| Pdh Tj = +2°C | 4.00 kW | 3.10 kW |
| COP Tj = +2°C | 4.86 | 3.49 |
| Pdh Tj = +7°C | 2.70 kW | 2.80 kW |
| COP Tj = +7°C | 6.80 | 4.95 |
| Pdh Tj = 12°C | 1.80 kW | 3.50 kW |
| COP Tj = 12°C | 9.63 | 7.73 |
| Pdh Tj = Tbiv | 7.30 kW | 6.10 kW |



| | <u> </u> | |
|--|----------|----------|
| COP Tj = Tbiv | 2.56 | 1.84 |
| Pdh Tj = TOL | 4.30 kW | 4.30 kW |
| COP Tj = TOL | 1.61 | 1.61 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 17 W | 17 W |
| PSB | 17 W | 17 W |
| PCK | 31 W | 31 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3161 kWh | 3585 kWh |



Model: Buderus Logatherm WLW196i-8 ART

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

Heating

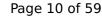
| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 3.32 kW | 2.84 kW | |
| El input | 0.67 kW | 1.07 kW | |
| СОР | 4.93 | 2.65 | |
| Indoor water flow rate | 0.59 m³/h | 0.31 m³/h | |

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



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 199 % | 143 % |
| Prated | 7.00 kW | 6.00 kW |
| SCOP | 5.05 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.30 kW | 5.10 kW |
| COP Tj = -7°C | 3.00 | 2.23 |
| Pdh Tj = +2°C | 4.00 kW | 3.10 kW |
| COP Tj = +2°C | 4.86 | 3.49 |
| Pdh Tj = +7°C | 2.70 kW | 2.80 kW |
| COP Tj = +7°C | 6.80 | 4.95 |
| Pdh Tj = 12°C | 1.80 kW | 3.50 kW |
| COP Tj = 12°C | 9.63 | 7.73 |
| Pdh Tj = Tbiv | 7.30 kW | 6.10 kW |





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|----------------------|-----------------|--------------|-------------|----------|-----|
| This information was | generated by th | e HP KEYMARK | database on | 17 Dec 2 | 020 |

| COP Tj = Tbiv | 2.56 | 1.84 |
|--|----------|----------|
| Pdh Tj = TOL | 4.30 kW | 4.30 kW |
| COP Tj = TOL | 1.61 | 1.61 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 17 W | 17 W |
| PSB | 17 W | 17 W |
| PCK | 31 W | 31 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3161 kWh | 3585 kWh |

Domestic Hot Water (DHW)





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| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 97 % | |
| СОР | 2.40 | |
| Heating up time | 02:44 h:min | |
| Standby power input | 58.7 W | |
| Reference hot water temperature | 55.6 °C | |
| Mixed water at 40°C | 284 | |



Model: Buderus Logatherm WLW196i-8 ARTS

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

Heating

| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 3.32 kW | 2.84 kW | |
| El input | 0.67 kW | 1.07 kW | |
| СОР | 4.93 | 2.65 | |
| Indoor water flow rate | 0.59 m³/h | 0.31 m³/h | |

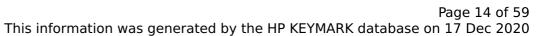
| EN 14511-4 | | |
|--|--------|--|
| Shutting off the heat transfer medium flow | passed | |
| Complete power supply failure | passed | |
| Defrost test | passed | |
| Starting and operating test | passed | |



 $$\operatorname{\textit{Page}}\ 13$$ of 59 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 35 dB(A) | 35 dB(A) |
| Sound power level outdoor | 56 dB(A) | 56 dB(A) |

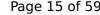
| EN 14825 | | |
|-------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 199 % | 143 % |
| Prated | 7.00 kW | 6.00 kW |
| SCOP | 5.05 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.30 kW | 5.10 kW |
| COP Tj = -7°C | 3.00 | 2.23 |
| Pdh Tj = +2°C | 4.00 kW | 3.10 kW |
| COP Tj = +2°C | 4.86 | 3.49 |
| Pdh Tj = $+7^{\circ}$ C | 2.70 kW | 2.80 kW |
| COP Tj = +7°C | 6.80 | 4.95 |
| Pdh Tj = 12°C | 1.80 kW | 3.50 kW |
| COP Tj = 12°C | 9.63 | 7.73 |
| Pdh Tj = Tbiv | 7.30 kW | 6.10 kW |





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Domestic Hot Water (DHW)





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| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 97 % | |
| СОР | 2.40 | |
| Heating up time | 02:44 h:min | |
| Standby power input | 58.7 W | |
| Reference hot water temperature | 55.6 °C | |
| Mixed water at 40°C | 284 | |



Model: Buderus Logatherm WLW196i-8 IRE

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

Heating

| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 3.32 kW | 2.84 kW |
| El input | 0.67 kW | 1.07 kW |
| СОР | 4.93 | 2.65 |
| Indoor water flow rate | 0.59 m³/h | 0.31 m³/h |

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



| EN 12102-1 | | |
|--------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 48 dB(A) | 48 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 199 % | 143 % |
| Prated | 7.00 kW | 6.00 kW |
| SCOP | 5.05 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.30 kW | 5.10 kW |
| COP Tj = -7°C | 3.00 | 2.23 |
| Pdh Tj = +2°C | 4.00 kW | 3.10 kW |
| COP Tj = +2°C | 4.86 | 3.49 |
| Pdh Tj = +7°C | 2.70 kW | 2.80 kW |
| COP Tj = +7°C | 6.80 | 4.95 |
| Pdh Tj = 12°C | 1.80 kW | 3.50 kW |
| COP Tj = 12°C | 9.63 | 7.73 |
| Pdh Tj = Tbiv | 7.30 kW | 6.10 kW |
| COP Tj = Tbiv | 2.56 | 1.84 |



Annual energy consumption Qhe

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3585 kWh

| This information was generated by the HP KEYMARK database on 17 Dec 202 | | |
|---|----------|----------|
| Pdh Tj = TOL | 4.30 kW | 4.30 kW |
| COP Tj = TOL | 1.61 | 1.61 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| PTO | 17 W | 17 W |
| PSB | 17 W | 17 W |
| PCK | 31 W | 31 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| | | |

3161 kWh



Model: Buderus Logatherm WLW196i-8 IRB

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

Heating

| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 3.32 kW | 2.84 kW | |
| El input | 0.67 kW | 1.07 kW | |
| СОР | 4.93 | 2.65 | |
| Indoor water flow rate | 0.59 m³/h | 0.31 m³/h | |

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



| EN 12102-1 | | |
|--------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 48 dB(A) | 48 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 199 % | 143 % |
| Prated | 7.00 kW | 6.00 kW |
| SCOP | 5.05 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.30 kW | 5.10 kW |
| COP Tj = -7°C | 3.00 | 2.23 |
| Pdh Tj = +2°C | 4.00 kW | 3.10 kW |
| COP Tj = +2°C | 4.86 | 3.49 |
| Pdh Tj = +7°C | 2.70 kW | 2.80 kW |
| COP Tj = +7°C | 6.80 | 4.95 |
| Pdh Tj = 12°C | 1.80 kW | 3.50 kW |
| COP Tj = 12°C | 9.63 | 7.73 |
| Pdh Tj = Tbiv | 7.30 kW | 6.10 kW |
| COP Tj = Tbiv | 2.56 | 1.84 |



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| Pdh Tj = TOL | 4.30 kW | 4.30 kW |
|--|----------|----------|
| COP Tj = TOL | 1.61 | 1.61 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 17 W | 17 W |
| PSB | 17 W | 17 W |
| PCK | 31 W | 31 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3161 kWh | 3585 kWh |



Model: Buderus Logatherm WLW196i-8 IRT

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

Heating

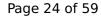
| EN 14511-2 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 3.32 kW | 2.84 kW |
| El input | 0.67 kW | 1.07 kW |
| СОР | 4.93 | 2.65 |
| Indoor water flow rate | 0.59 m³/h | 0.31 m³/h |

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



| EN 12102-1 | | |
|--------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 48 dB(A) | 48 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 199 % | 143 % |
| Prated | 7.00 kW | 6.00 kW |
| SCOP | 5.05 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.30 kW | 5.10 kW |
| COP Tj = -7°C | 3.00 | 2.23 |
| Pdh Tj = +2°C | 4.00 kW | 3.10 kW |
| COP Tj = +2°C | 4.86 | 3.49 |
| Pdh Tj = +7°C | 2.70 kW | 2.80 kW |
| COP Tj = +7°C | 6.80 | 4.95 |
| Pdh Tj = 12°C | 1.80 kW | 3.50 kW |
| COP Tj = 12°C | 9.63 | 7.73 |
| Pdh Tj = Tbiv | 7.30 kW | 6.10 kW |
| COP Tj = Tbiv | 2.56 | 1.84 |





| Pdh Tj = TOL | 4.30 kW | 4.30 kW |
|--|----------|----------|
| COP Tj = TOL | 1.61 | 1.61 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 17 W | 17 W |
| PSB | 17 W | 17 W |
| PCK | 31 W | 31 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3161 kWh | 3585 kWh |

Domestic Hot Water (DHW)





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| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency ηDHW | 97 % |
| СОР | 2.40 |
| Heating up time | 02:44 h:min |
| Standby power input | 58.7 W |
| Reference hot water temperature | 55.6 °C |
| Mixed water at 40°C | 284 |



Model: Buderus Logatherm WLW196i-8 IRTS

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

Heating

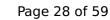
| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 3.32 kW | 2.84 kW | |
| El input | 0.67 kW | 1.07 kW | |
| СОР | 4.93 | 2.65 | |
| Indoor water flow rate | 0.59 m³/h | 0.31 m³/h | |

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



| EN 12102-1 | | |
|--------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 48 dB(A) | 48 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 199 % | 143 % |
| Prated | 7.00 kW | 6.00 kW |
| SCOP | 5.05 | 3.65 |
| Tbiv | -10 °C | -10 °C |
| TOL | -20 °C | -20 °C |
| Pdh Tj = -7°C | 6.30 kW | 5.10 kW |
| COP Tj = -7°C | 3.00 | 2.23 |
| Pdh Tj = +2°C | 4.00 kW | 3.10 kW |
| COP Tj = +2°C | 4.86 | 3.49 |
| Pdh Tj = +7°C | 2.70 kW | 2.80 kW |
| COP Tj = +7°C | 6.80 | 4.95 |
| Pdh Tj = 12°C | 1.80 kW | 3.50 kW |
| COP Tj = 12°C | 9.63 | 7.73 |
| Pdh Tj = Tbiv | 7.30 kW | 6.10 kW |
| COP Tj = Tbiv | 2.56 | 1.84 |





| Pdh Tj = TOL | 4.30 kW | 4.30 kW |
|--|----------|----------|
| COP Tj = TOL | 1.61 | 1.61 |
| Cdh | 1.00 | 1.00 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 17 W | 17 W |
| PSB | 17 W | 17 W |
| PCK | 31 W | 31 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3161 kWh | 3585 kWh |

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\xspace$ 29 of 59 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 97 % | |
| СОР | 2.40 | |
| Heating up time | 02:44 h:min | |
| Standby power input | 58.7 W | |
| Reference hot water temperature | 55.6 °C | |
| Mixed water at 40°C | 284 | |



Model: Buderus Logatherm WLW196i.2-6 ARB S+

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

Heating

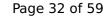
| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 4.01 kW | 2.60 kW | |
| El input | 0.80 kW | 0.91 kW | |
| СОР | 5.01 | 2.84 | |
| Indoor water flow rate | 0.69 m³/h | 0.28 m³/h | |

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



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 29 dB(A) | 29 dB(A) |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 198 % | 140 % |
| Prated | 6.20 kW | 5.91 kW |
| SCOP | 5.02 | 3.58 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.54 kW | 5.21 kW |
| COP Tj = -7°C | 3.16 | 2.27 |
| Cdh | | |
| Pdh Tj = +2°C | 3.31 kW | 3.27 kW |
| COP Tj = +2°C | 4.86 | 3.56 |
| Cdh | | |
| Pdh Tj = +7°C | 2.04 kW | 2.84 kW |
| COP Tj = +7°C | 6.72 | 4.49 |
| Cdh | | |





| Pdh Tj = 12°C | 1.72 kW | 3.34 kW |
|--|----------|----------|
| COP Tj = 12°C | 7.96 | 5.98 |
| Cdh | | |
| Pdh Tj = Tbiv | 6.20 kW | 5.91 kW |
| COP Tj = Tbiv | 2.72 | 1.93 |
| Pdh Tj = TOL | 6.20 kW | 5.91 kW |
| COP Tj = TOL | 2.72 | 1.93 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 33 W | 33 W |
| PSB | 17 W | 17 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2550 kWh | 3410 kWh |

Colder Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 29 dB(A) | 29 dB(A) |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) |





EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 168 % | 123 % |
| Prated | 5.72 kW | 5.48 kW |
| SCOP | 4.28 | 3.15 |
| Tbiv | -17 °C | -17 °C |
| TOL | -18 °C | -18 °C |
| Pdh Tj = -7°C | 3.26 kW | 3.47 kW |
| COP Tj = -7°C | 3.63 | 2.66 |
| Cdh | | |
| Pdh Tj = +2°C | 2.28 kW | 2.42 kW |
| COP Tj = +2°C | 5.41 | 3.86 |
| Cdh | | |
| Pdh Tj = +7°C | 1.53 kW | 2.83 kW |
| COP Tj = +7°C | 6.76 | 4.70 |
| Cdh | | |
| Pdh Tj = 12°C | 1.68 kW | 3.31 kW |
| COP Tj = 12°C | 7.17 | 6.19 |
| Cdh | | |
| Pdh Tj = Tbiv | 4.96 kW | 4.76 kW |
| COP Tj = Tbiv | 2.44 | 1.82 |





| Pdh Tj = TOL | 4.84 kW | 4.62 kW |
|--|----------|----------|
| COP Tj = TOL | 2.39 | 1.76 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 33 W | 33 W |
| PSB | 17 W | 17 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3289 kWh | 4286 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | | |
| COP Tj = -15°C (if TOL<-20°C) | | |
| Cdh | | |

Warmer Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 29 dB(A) | 29 dB(A) |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) |

EN 14825





| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 244 % | 165 % |
| Prated | 7.29 kW | 7.25 kW |
| SCOP | 6.17 | 4.19 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.29 kW | 7.25 kW |
| COP Tj = +2°C | 3.06 | 2.19 |
| Pdh Tj = +7°C | 4.69 kW | 4.78 kW |
| COP Tj = +7°C | 5.56 | 3.76 |
| Pdh Tj = 12°C | 3.64 kW | 3.26 kW |
| COP Tj = 12°C | 8.01 | 5.28 |
| Pdh Tj = Tbiv | 7.29 kW | 7.25 kW |
| COP Tj = Tbiv | 3.06 | 2.19 |
| Pdh Tj = TOL | 7.29 kW | 7.25 kW |
| COP Tj = TOL | 3.06 | 2.19 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| PTO | 33 W | 33 W |
| PSB | 17 W | 17 W |
| PCK | o w | o w |



$$\operatorname{\textit{Page}}\ 36$$ of 59 This information was generated by the HP KEYMARK database on 17 Dec 2020

| Supplementary Heater: Type of energy input | Electric | Electric |
|--|----------|----------|
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1578 kWh | 2312 kWh |



Model: Buderus Logatherm WLW196i.2-6 ARE S+

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

Heating

| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 4.01 kW | 2.60 kW | |
| El input | 0.80 kW | 0.91 kW | |
| СОР | 5.01 | 2.84 | |
| Indoor water flow rate | 0.69 m³/h | 0.28 m³/h | |

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

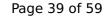
Average Climate



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 29 dB(A) | 29 dB(A) |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 198 % | 140 % |
| Prated | 6.20 kW | 5.91 kW |
| SCOP | 5.02 | 3.58 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.54 kW | 5.21 kW |
| COP Tj = -7°C | 3.16 | 2.27 |
| Cdh | | |
| Pdh Tj = +2°C | 3.31 kW | 3.27 kW |
| COP Tj = +2°C | 4.86 | 3.56 |
| Cdh | | |
| Pdh Tj = +7°C | 2.04 kW | 2.84 kW |
| COP Tj = +7°C | 6.72 | 4.49 |
| Cdh | | |

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| Teracea by the rin Reini | |
|--------------------------|---|
| 1.72 kW | 3.34 kW |
| 7.96 | 5.98 |
| | |
| 6.20 kW | 5.91 kW |
| 2.72 | 1.93 |
| 6.20 kW | 5.91 kW |
| 2.72 | 1.93 |
| 60 °C | 60 °C |
| 17 W | 17 W |
| 33 W | 33 W |
| 17 W | 17 W |
| o w | o w |
| Electric | Electric |
| 0.00 kW | 0.00 kW |
| 2550 kWh | 3410 kWh |
| | 1.72 kW 7.96 6.20 kW 2.72 6.20 kW 2.72 60 °C 17 W 33 W 17 W 0 W Electric 0.00 kW |

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 29 dB(A) | 29 dB(A) |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) |





| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 168 % | 123 % |
| Prated | 5.72 kW | 5.48 kW |
| SCOP | 4.28 | 3.15 |
| Tbiv | -17 °C | -17 °C |
| TOL | -18 °C | -18 °C |
| Pdh Tj = -7°C | 3.26 kW | 3.47 kW |
| COP Tj = -7°C | 3.63 | 2.66 |
| Cdh | | |
| Pdh Tj = +2°C | 2.28 kW | 2.42 kW |
| COP Tj = +2°C | 5.41 | 3.86 |
| Cdh | | |
| Pdh Tj = +7°C | 1.53 kW | 2.83 kW |
| COP Tj = +7°C | 6.76 | 4.70 |
| Cdh | | |
| Pdh Tj = 12°C | 1.68 kW | 3.31 kW |
| COP Tj = 12°C | 7.17 | 6.19 |
| Cdh | | |
| Pdh Tj = Tbiv | 4.96 kW | 4.76 kW |
| COP Tj = Tbiv | 2.44 | 1.82 |





| 4.84 kW | 4.62 kW |
|----------|--|
| 2.39 | 1.76 |
| 60 °C | 60 °C |
| 17 W | 17 W |
| 33 W | 33 W |
| 17 W | 17 W |
| o w | o w |
| Electric | Electric |
| 0.00 kW | 0.00 kW |
| 3289 kWh | 4286 kWh |
| | |
| | |
| | |
| | 4.84 kW 2.39 60 °C 17 W 33 W 17 W 0 W Electric 0.00 kW |

Warmer Climate

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 29 dB(A) | 29 dB(A) |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) |





| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 244 % | 165 % |
| Prated | 7.29 kW | 7.25 kW |
| SCOP | 6.17 | 4.19 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.29 kW | 7.25 kW |
| COP Tj = +2°C | 3.06 | 2.19 |
| Pdh Tj = +7°C | 4.69 kW | 4.78 kW |
| COP Tj = +7°C | 5.56 | 3.76 |
| Pdh Tj = 12°C | 3.64 kW | 3.26 kW |
| COP Tj = 12°C | 8.01 | 5.28 |
| Pdh Tj = Tbiv | 7.29 kW | 7.25 kW |
| COP Tj = Tbiv | 3.06 | 2.19 |
| Pdh Tj = TOL | 7.29 kW | 7.25 kW |
| COP Tj = TOL | 3.06 | 2.19 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 33 W | 33 W |
| PSB | 17 W | 17 W |
| PCK | o w | o w |



$$\operatorname{Page}\ 43$$ of 59 This information was generated by the HP KEYMARK database on 17 Dec 2020

| Supplementary Heater: Type of energy input | Electric | Electric |
|--|----------|----------|
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1578 kWh | 2312 kWh |



Model: Buderus Logatherm WLW196i.2-6 ART S+

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

Heating

| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 4.01 kW | 2.60 kW | |
| El input | 0.80 kW | 0.91 kW | |
| СОР | 5.01 | 2.84 | |
| Indoor water flow rate | 0.69 m³/h | 0.28 m³/h | |

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

Average Climate



| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 25 dB(A) | 25 dB(A) | |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) | |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 198 % | 140 % |
| Prated | 6.20 kW | 5.91 kW |
| SCOP | 5.02 | 3.58 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.54 kW | 5.21 kW |
| COP Tj = -7°C | 3.16 | 2.27 |
| Cdh | | |
| Pdh Tj = +2°C | 3.31 kW | 3.27 kW |
| COP Tj = +2°C | 4.86 | 3.56 |
| Cdh | | |
| Pdh Tj = +7°C | 2.04 kW | 2.84 kW |
| COP Tj = +7°C | 6.72 | 4.49 |
| Cdh | | |

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| Pdh Tj = 12°C | 1.72 kW | 3.34 kW |
|--|----------|----------|
| COP Tj = 12°C | 7.96 | 5.98 |
| Cdh | | |
| Pdh Tj = Tbiv | 6.20 kW | 5.91 kW |
| COP Tj = Tbiv | 2.72 | 1.93 |
| Pdh Tj = TOL | 6.20 kW | 5.91 kW |
| COP Tj = TOL | 2.72 | 1.93 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 33 W | 33 W |
| PSB | 17 W | 17 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2550 kWh | 3410 kWh |
| | | |

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 25 dB(A) | 25 dB(A) | |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) | |





| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 168 % | 123 % |
| Prated | 5.72 kW | 5.48 kW |
| SCOP | 4.28 | 3.15 |
| Tbiv | -17 °C | -17 °C |
| TOL | -18 °C | -18 °C |
| Pdh Tj = -7°C | 3.26 kW | 3.47 kW |
| COP Tj = -7°C | 3.63 | 2.66 |
| Cdh | | |
| Pdh Tj = +2°C | 2.28 kW | 2.42 kW |
| COP Tj = +2°C | 5.41 | 3.86 |
| Cdh | | |
| Pdh Tj = +7°C | 1.53 kW | 2.83 kW |
| COP Tj = +7°C | 6.76 | 4.70 |
| Cdh | | |
| Pdh Tj = 12°C | 1.68 kW | 3.31 kW |
| COP Tj = 12°C | 7.17 | 6.19 |
| Cdh | | |
| Pdh Tj = Tbiv | 4.96 kW | 4.76 kW |
| COP Tj = Tbiv | 2.44 | 1.82 |





| Pdh Tj = TOL | 4.84 kW | 4.62 kW |
|--|----------|----------|
| COP Tj = TOL | 2.39 | 1.76 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 33 W | 33 W |
| PSB | 17 W | 17 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3289 kWh | 4286 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | | |
| COP Tj = -15 °C (if TOL< -20 °C) | | |
| Cdh | | |

Warmer Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 25 dB(A) | 25 dB(A) | |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) | |





| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 244 % | 165 % |
| Prated | 7.29 kW | 7.25 kW |
| SCOP | 6.17 | 4.19 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.29 kW | 7.25 kW |
| COP Tj = +2°C | 3.06 | 2.19 |
| Pdh Tj = +7°C | 4.69 kW | 4.78 kW |
| COP Tj = +7°C | 5.56 | 3.76 |
| Pdh Tj = 12°C | 3.64 kW | 3.26 kW |
| COP Tj = 12°C | 8.01 | 5.28 |
| Pdh Tj = Tbiv | 7.29 kW | 7.25 kW |
| COP Tj = Tbiv | 3.06 | 2.19 |
| Pdh Tj = TOL | 7.29 kW | 7.25 kW |
| COP Tj = TOL | 3.06 | 2.19 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 33 W | 33 W |
| PSB | 17 W | 17 W |
| PCK | o w | o w |





| Supplementary Heater: Type of energy input | Electric | Electric |
|--|----------|----------|
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1578 kWh | 2312 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 103 % | |
| СОР | 2.42 | |
| Heating up time | 02:26 h:min | |
| Standby power input | 49.0 W | |
| Reference hot water temperature | 53.1 °C | |
| Mixed water at 40°C | 269 I | |



 $$\operatorname{\textit{Page}}\xspace$ 51 of 59 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 88 % | |
| СОР | 2.08 | |
| Heating up time | 02:51 h:min | |
| Standby power input | 57.0 W | |
| Reference hot water temperature | 53.2 °C | |
| Mixed water at 40°C | 272 I | |

Warmer Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 122 % | |
| СОР | 2.86 | |
| Heating up time | 01:55 h:min | |
| Standby power input | 45.0 W | |
| Reference hot water temperature | 53.0 °C | |
| Mixed water at 40°C | 268 I | |



Model: Buderus Logatherm WLW196i.2-6 ARTS S+

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

Heating

| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 4.01 kW | 2.60 kW | |
| El input | 0.80 kW | 0.91 kW | |
| СОР | 5.01 | 2.84 | |
| Indoor water flow rate | 0.69 m³/h | 0.28 m³/h | |

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

Average Climate

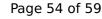


 $$\operatorname{\textit{Page}}\xspace$ 53 of 59 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 25 dB(A) | 25 dB(A) |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 198 % | 140 % |
| Prated | 6.20 kW | 5.91 kW |
| SCOP | 5.02 | 3.58 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.54 kW | 5.21 kW |
| COP Tj = -7°C | 3.16 | 2.27 |
| Cdh | | |
| Pdh Tj = +2°C | 3.31 kW | 3.27 kW |
| COP Tj = +2°C | 4.86 | 3.56 |
| Cdh | | |
| Pdh Tj = +7°C | 2.04 kW | 2.84 kW |
| COP Tj = +7°C | 6.72 | 4.49 |
| Cdh | | |

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| Pdh Tj = 12°C | 1.72 kW | 3.34 kW |
|--|----------|----------|
| COP Tj = 12°C | 7.96 | 5.98 |
| Cdh | | |
| Pdh Tj = Tbiv | 6.20 kW | 5.91 kW |
| COP Tj = Tbiv | 2.72 | 1.93 |
| Pdh Tj = TOL | 6.20 kW | 5.91 kW |
| COP Tj = TOL | 2.72 | 1.93 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 33 W | 33 W |
| PSB | 17 W | 17 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2550 kWh | 3410 kWh |
| | | |

| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 25 dB(A) | 25 dB(A) |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) |





| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 168 % | 123 % |
| Prated | 5.72 kW | 5.48 kW |
| SCOP | 4.28 | 3.15 |
| Tbiv | -17 °C | -17 °C |
| TOL | -18 °C | -18 °C |
| Pdh Tj = -7°C | 3.26 kW | 3.47 kW |
| COP Tj = -7°C | 3.63 | 2.66 |
| Cdh | | |
| Pdh Tj = +2°C | 2.28 kW | 2.42 kW |
| COP Tj = +2°C | 5.41 | 3.86 |
| Cdh | | |
| Pdh Tj = +7°C | 1.53 kW | 2.83 kW |
| COP Tj = +7°C | 6.76 | 4.70 |
| Cdh | | |
| Pdh Tj = 12°C | 1.68 kW | 3.31 kW |
| COP Tj = 12°C | 7.17 | 6.19 |
| Cdh | | |
| Pdh Tj = Tbiv | 4.96 kW | 4.76 kW |
| COP Tj = Tbiv | 2.44 | 1.82 |

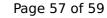




| Pdh Tj = TOL | 4.84 kW | 4.62 kW |
|--|----------|----------|
| COP Tj = TOL | 2.39 | 1.76 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 33 W | 33 W |
| PSB | 17 W | 17 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3289 kWh | 4286 kWh |
| Pdh Tj = -15°C (if TOL<-20°C) | | |
| COP Tj = -15°C (if TOL $<$ -20°C) | | |
| Cdh | | |
| | | |

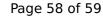
Warmer Climate

| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 25 dB(A) | 25 dB(A) | |
| Sound power level outdoor | 50 dB(A) | 50 dB(A) | |





| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_{s} | 244 % | 165 % |
| Prated | 7.29 kW | 7.25 kW |
| SCOP | 6.17 | 4.19 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 7.29 kW | 7.25 kW |
| COP Tj = +2°C | 3.06 | 2.19 |
| Pdh Tj = +7°C | 4.69 kW | 4.78 kW |
| COP Tj = +7°C | 5.56 | 3.76 |
| Pdh Tj = 12°C | 3.64 kW | 3.26 kW |
| COP Tj = 12°C | 8.01 | 5.28 |
| Pdh Tj = Tbiv | 7.29 kW | 7.25 kW |
| COP Tj = Tbiv | 3.06 | 2.19 |
| Pdh Tj = TOL | 7.29 kW | 7.25 kW |
| COP Tj = TOL | 3.06 | 2.19 |
| WTOL | 60 °C | 60 °C |
| Poff | 17 W | 17 W |
| РТО | 33 W | 33 W |
| PSB | 17 W | 17 W |
| PCK | o w | 0 W |





| Supplementary Heater: Type of energy input | Electric | Electric |
|--|----------|----------|
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1578 kWh | 2312 kWh |

Domestic Hot Water (DHW)

Average Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 101 % | |
| СОР | 2.37 | |
| Heating up time | 02:11 h:min | |
| Standby power input | 51.0 W | |
| Reference hot water temperature | 52.0 °C | |
| Mixed water at 40°C | 259 I | |



 $$\operatorname{\textit{Page}}\xspace$ 59 of 59 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency ηDHW | 84 % |
| СОР | 2.00 |
| Heating up time | 02:48 h:min |
| Standby power input | 58.0 W |
| Reference hot water temperature | 51.8 °C |
| Mixed water at 40°C | 252 I |

Warmer Climate

| EN 16147 | | |
|---------------------------------|-------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 112 % | |
| СОР | 2.64 | |
| Heating up time | 01:52 h:min | |
| Standby power input | 47.0 W | |
| Reference hot water temperature | 51.6 °C | |
| Mixed water at 40°C | 254 I | |