

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

| | | | |
|----------------------------|---|----------|------------|
| Summary of | Buderus Logatherm WPLS2.2 | Reg. No. | 011-1W0139 |
| Certificate Holder | | | |
| Name | Bosch Thermotechnik GmbH (Buderus) | | |
| Address | Sophienstraße 30-32 | Zip | 35576 |
| City | Wetzlar | Country | Germany |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Name of testing laboratory | RISE Research Institutes of Sweden AB | | |
| Subtype title | Buderus Logatherm WPLS2.2 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410a | | |
| Mass Of Refrigerant | 1 kg | | |

Model: Buderus Logatherm WPLS2.2 RE

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
| Heat output | 3.20 kW | 2.28 kW |
| El input | 0.67 kW | 0.99 kW |
| COP | 4.79 | 2.30 |
| Indoor water flow rate | 0.56 m ³ /h | 0.25 m ³ /h |

EN 14511-4

| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |

Average Climate

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

EN 12102-1

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 36 dB(A) | 36 dB(A) |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_s | 153 % | 121 % |
| Prated | 3.00 kW | 3.00 kW |
| SCOP | 3.90 | 3.10 |
| Tbiv | -10 °C | -10 °C |
| TOL | -15 °C | -15 °C |
| Pdh Tj = -7°C | 3.00 kW | 2.40 kW |
| COP Tj = -7°C | 3.00 | 2.01 |
| Pdh Tj = +2°C | 2.00 kW | 1.50 kW |
| COP Tj = +2°C | 3.71 | 3.00 |
| Pdh Tj = +7°C | 2.00 kW | 1.50 kW |
| COP Tj = +7°C | 5.71 | 4.72 |
| Pdh Tj = 12°C | 2.00 kW | 1.50 kW |
| COP Tj = 12°C | 5.71 | 5.03 |
| Pdh Tj = Tbiv | 3.40 kW | 2.70 kW |

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| | | |
|--|----------|----------|
| COP $T_j = T_{biv}$ | 2.61 | 1.80 |
| P _{dh} $T_j = TOL$ | 3.00 kW | 2.50 kW |
| COP $T_j = TOL$ | 2.31 | 1.72 |
| C _{dh} | 0.90 | 0.90 |
| WTOL | 57 °C | 57 °C |
| P _{off} | 11 W | 11 W |
| PTO | 51 W | 51 W |
| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 1805 kWh | 1806 kWh |

Model: Buderus Logatherm WPLS2.2 RB

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|------------------------|------------------------|
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| Complete power supply failure | passed |
| Defrost test | passed |

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| PSB | 11 W | 11 W |
| PCK | 100 W | 100 W |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 1805 kWh | 1806 kWh |

Model: Buderus Logatherm WPLS2.2 RT

General Data

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

Heating

EN 14511-2

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| Defrost test | passed |

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| Annual energy consumption Qhe | 1805 kWh | 1806 kWh |

Domestic Hot Water (DHW)

Average Climate

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| EN 16147 | |
|---------------------------------|-------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 105 % |
| COP | 2.49 |
| Heating up time | 02:08 h:min |
| Standby power input | 44.0 W |
| Reference hot water temperature | 52.6 °C |
| Mixed water at 40°C | 257 l |

Model: Buderus Logatherm WPLS2.2 RTS

General Data

| | |
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