

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

| | | | |
|----------------------------|---|----------|------------|
| Summary of | Buderus Logatherm WPS 80.2 HT | Reg. No. | 011-1W0167 |
| 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 WPS 80.2 HT | | |
| Heat Pump Type | Brine/Water | | |
| Refrigerant | R410a | | |
| Mass Of Refrigerant | 10.8 kg | | |

Model: Buderus Logatherm WPS 80.2 HT

General Data

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

Heating

EN 14511-2

| | Low temperature | Medium temperature |
|------------------------|-------------------------|------------------------|
| Heat output | 78.16 kW | 81.17 kW |
| El input | 18.17 kW | 26.65 kW |
| COP | 4.30 | 3.05 |
| Indoor water flow rate | 13.46 m ³ /h | 8.74 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 |

Average Climate

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EN 12102-1

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 67 dB(A) | 67 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| η_s | 196 % | 157 % |
| Prated | 78.00 kW | 78.00 kW |
| SCOP | 5.10 | 4.12 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 69.00 kW | 69.00 kW |
| COP Tj = -7°C | 4.48 | 3.31 |
| Pdh Tj = +2°C | 42.02 kW | 42.24 kW |
| COP Tj = +2°C | 5.19 | 4.20 |
| Pdh Tj = +7°C | 41.93 kW | 42.28 kW |
| COP Tj = +7°C | 5.32 | 4.47 |
| Pdh Tj = 12°C | 41.86 kW | 42.33 kW |
| COP Tj = 12°C | 5.42 | 4.73 |
| Pdh Tj = Tbiv | 78.16 kW | 81.17 kW |
| COP Tj = Tbiv | 4.30 | 3.05 |

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| | | |
|--|-----------|-----------|
| Pdh Tj = TOL | 78.16 kW | 81.17 kW |
| COP Tj = TOL | 4.30 | 3.05 |
| Cdh | 1.00 | 1.00 |
| WTOL | 68 °C | 68 °C |
| Poff | 25 W | 25 W |
| PTO | 25 W | 25 W |
| PSB | 25 W | 25 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 | 31613 kWh | 39068 kWh |