

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

|                            |   |          |            |
|----------------------------|---|----------|------------|
| Summary of                 | Buderus Logatherm WPS 10-1                            | Reg. No. | 011-1W0182 |
| 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 | IGE Institut für GebäudeEnergetik                     |          |            |
| Subtype title              | Buderus Logatherm WPS 10-1                            |          |            |
| Heat Pump Type             | Brine/Water   |          |            |
| Refrigerant                | R410a   |          |            |
| Mass Of Refrigerant        | 2.4 kg  |          |            |

## Model: Buderus Logatherm WPS 10-1

### General Data

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

## Heating

### EN 14511-2

|                        | Low temperature        | Medium temperature     |
|------------------------|------------------------|------------------------|
| Heat output            | 10.15 kW               | 9.33 kW                |
| El input               | 2.17 kW                | 3.22 kW                |
| COP                    | 4.68                   | 2.90                   |
| Indoor water flow rate | 1.78 m <sup>3</sup> /h | 1.01 m <sup>3</sup> /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 | 51 dB(A)        | 51 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 190 %           | 136 %              |
| Prated        | 11.00 kW        | 11.00 kW           |
| SCOP          | 4.95            | 3.60               |
| Tbiv          | -7 °C           | -7 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 9.90 kW         | 9.30 kW            |
| COP Tj = -7°C | 4.74            | 3.09               |
| Pdh Tj = +2°C | 10.00 kW        | 9.50 kW            |
| COP Tj = +2°C | 4.95            | 3.55               |
| Pdh Tj = +7°C | 10.00 kW        | 9.60 kW            |
| COP Tj = +7°C | 5.14            | 3.98               |
| Pdh Tj = 12°C | 10.10 kW        | 9.80 kW            |
| COP Tj = 12°C | 5.34            | 4.41               |
| Pdh Tj = Tbiv | 9.90 kW         | 9.30 kW            |
| COP Tj = Tbiv | 4.74            | 3.09               |

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|  |          |          |
|--|----------|----------|
| Pdh Tj = TOL                               | 9.90 kW  | 9.20 kW  |
| COP Tj = TOL                               | 4.63     | 2.88     |
| Cdh  | 1.00     | 1.00     |
| WTOL                                       | 62 °C    | 62 °C    |
| Poff                                       | 6 W      | 6 W      |
| PTO  | 6 W      | 6 W      |
| PSB  | 6 W      | 6 W      |
| PCK  | 0 W      | 0 W      |
| Supplementary Heater: Type of energy input | Electric | Electric |
| Supplementary Heater: PSUP                 | 1.30 kW  | 1.30 kW  |
| Annual energy consumption Qhe              | 4672 kWh | 6022 kWh |