

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

Summary of	Buderus Logatherm WPS 17-1	Reg. No.	011-1W0184
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 17-1		
Heat Pump Type	Brine/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.8 kg		

Model: Buderus Logatherm WPS 17-1

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	17.00 kW	15.79 kW
El input	3.92 kW	5.54 kW
COP	4.34	2.85
Indoor water flow rate	2.92 m ³ /h	1.72 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	47 dB(A)	47 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	176 %	130 %
Prated	19.00 kW	18.00 kW
SCOP	4.60	3.45
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	16.70 kW	15.70 kW
COP Tj = -7°C	4.42	3.01
Pdh Tj = +2°C	16.90 kW	15.90 kW
COP Tj = +2°C	4.61	3.39
Pdh Tj = +7°C	17.00 kW	16.20 kW
COP Tj = +7°C	4.78	3.76
Pdh Tj = 12°C	17.10 kW	16.50 kW
COP Tj = 12°C	4.95	4.14
Pdh Tj = Tbiv	16.70 kW	15.70 kW
COP Tj = Tbiv	4.42	3.01

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Pdh Tj = TOL	16.70 kW	15.60 kW
COP Tj = TOL	4.33	2.84
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	2.30 kW	2.10 kW
Annual energy consumption Qhe	8469 kWh	10627 kWh