

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

Summary of	Buderus Logatherm WPS 6K-1	Reg. No.	011-1W0177
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 6K-1		
Heat Pump Type	Brine/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.55 kg		

Model: Buderus Logatherm WPS 6K-1

General Data

Power supply	3x400V 50Hz
Off-peak product	No

Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	5.70 kW	5.19 kW
El input	1.32 kW	1.85 kW
COP	4.31	2.80
Indoor water flow rate	0.98 m ³ /h	0.57 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	51 dB(A)	51 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	172 %	125 %
Prated	7.00 kW	6.00 kW
SCOP	4.50	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.80 kW	5.30 kW
COP Tj = -7°C	4.33	2.85
Pdh Tj = +2°C	5.80 kW	5.40 kW
COP Tj = +2°C	4.51	3.25
Pdh Tj = +7°C	5.90 kW	5.60 kW
COP Tj = +7°C	4.69	3.64
Pdh Tj = 12°C	5.90 kW	5.70 kW
COP Tj = 12°C	4.87	4.02
Pdh Tj = Tbiv	5.80 kW	5.30 kW
COP Tj = Tbiv	4.33	2.85

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Pdh Tj = TOL	5.70 kW	5.30 kW
COP Tj = TOL	4.23	2.67
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	0.80 kW	0.70 kW
Annual energy consumption Qhe	2984 kWh	3769 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	L
Mixed water at 40°C	196 l
Efficiency η_{DHW}	84 %
COP	2.16
Heating up time	01:48 h:min
Standby power input	25.0 W
Reference hot water temperature	47.0 °C