

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

Summary of	Buderus Logatherm WPS 48.2 HT	Reg. No.	011-1W0163
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 48.2 HT		
Heat Pump Type	Brine/Water		
Refrigerant	R410a		
Mass Of Refrigerant	7.5 kg		

Model: Buderus Logatherm WPS 48.2 HT

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	47.37 kW	47.69 kW
El input	10.86 kW	15.39 kW
COP	4.36	3.10
Indoor water flow rate	8.16 m ³ /h	5.13 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	54 dB(A)	54 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	195 %	162 %
Prated	45.00 kW	47.00 kW
SCOP	5.07	4.24
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	39.81 kW	41.58 kW
COP Tj = -7°C	4.55	3.54
Pdh Tj = +2°C	25.31 kW	25.48 kW
COP Tj = +2°C	5.17	4.30
Pdh Tj = +7°C	25.32 kW	25.48 kW
COP Tj = +7°C	5.26	4.57
Pdh Tj = 12°C	25.32 kW	25.49 kW
COP Tj = 12°C	5.32	4.80
Pdh Tj = Tbiv	47.37 kW	47.69 kW
COP Tj = Tbiv	4.36	3.10

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Pdh Tj = TOL	47.37 kW	47.69 kW
COP Tj = TOL	4.36	3.10
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	18351 kWh	22882 kWh