CEN heat pump KEYMARK

Login

Summary of	Buderus Logatherm WPS 8-1	Reg. No.	011-1W0181

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		
Subtype title	Buderus Logatherm WPS 8-1		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.95 kg		

Model: Buderus Logatherm WPS 8-1

Configure model	
Model name	Buderus Logatherm WPS 8-1
Application	Heating (medium temp)
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.40 kW	6.85 kW
El input	1.66 kW	2.39 kW
COP	4.47	2.87

Average Climate

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Disclaimer: this document is a summary of the certified performance.
The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	186 %	131 %
Prated	9.00 kW	8.00 kW
SCOP	4.85	3.48
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.50 kW	6.80 kW
COP Tj = -7°C	4.66	2.92
Pdh Tj = +2°C	7.60 kW	7.00 kW
COP Tj = +2°C	4.87	3.43
Pdh Tj = +7°C	7.70 kW	7.20 kW
COP Tj = +7°C	5.07	3.86
Pdh Tj = 12°C	7.80 kW	7.40 kW
COP Tj = 12°C	5.26	4.29
Pdh Tj = Tbiv	7.50 kW	6.80 kW
COP Tj = Tbiv	4.66	2.92

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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.50 kW	6.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.55	2.68
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	1.00 kW	1.00 kW
Annual energy consumption Qhe	3619 kWh	4540 kWh