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Login

Summary of	Buderus Logatherm WPS 80.2 HT	Reg. No.	011-1W0167
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 80.2 HT		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	10.8 kg		

Model: Buderus Logatherm WPS 80.2 HT

Configure model	
Model name	Buderus Logatherm WPS 80.2 HT
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 14511-2		
	Low temperature	**Medium temperature**
Heat output	78.16 kW	81.17 kW
El input	18.17 kW	26.65 kW
COP	4.30	3.05

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

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	67 dB(A)	67 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	196 %	157 %
Prated	78.00 kW	78.00 kW
SCOP	5.10	4.12
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	69.00 kW	69.00 kW
COP Tj = -7°C	4.48	3.31
Pdh Tj = +2°C	42.02 kW	42.24 kW
COP Tj = +2°C	5.19	4.20
Pdh Tj = +7°C	41.93 kW	42.28 kW
COP Tj = +7°C	5.32	4.47
Pdh Tj = 12°C	41.86 kW	42.33 kW
COP Tj = 12°C	5.42	4.73
Pdh Tj = Tbiv	78.16 kW	81.17 kW
COP Tj = Tbiv	4.30	3.05

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	78.16 kW	81.17 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.30	3.05
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	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	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	31613 kWh	39068 kWh