

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

Summary of	Buderus Logatherm WPLS8.2	Reg. No.	011-1W0142
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 WPLS8.2		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.6 kg		

# Model: Buderus Logatherm WPLS8.2 RE

## General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	5.41 kW	3.99 kW
El input	1.13 kW	1.47 kW
COP	4.80	2.72
Indoor water flow rate	0.95 m <sup>3</sup> /h	0.44 m <sup>3</sup> /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
Defrost test	passed

## Average Climate

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### EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	37 dB(A)	37 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	150 %	125 %
Prated	7.00 kW	6.00 kW
SCOP	3.83	3.20
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	6.40 kW	5.30 kW
COP Tj = -7°C	2.65	2.11
Pdh Tj = +2°C	3.90 kW	3.20 kW
COP Tj = +2°C	3.61	3.10
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.71	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.71	5.00
Pdh Tj = Tbiv	7.20 kW	6.00 kW

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COP $T_j = T_{biv}$	2.51	1.90
P <sub>dh</sub> $T_j = TOL$	5.70 kW	4.90 kW
COP $T_j = TOL$	2.41	2.00
C <sub>dh</sub>	0.90	0.90
WTOL	57 °C	57 °C
P <sub>off</sub>	11 W	11 W
PTO	51 W	51 W
PSB	11 W	11 W
PCK	100 W	100 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q <sub>he</sub>	3879 kWh	3890 kWh

## Model: Buderus Logatherm WPLS8.2 RB

### General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	5.41 kW	3.99 kW
El input	1.13 kW	1.47 kW
COP	4.80	2.72
Indoor water flow rate	0.95 m <sup>3</sup> /h	0.44 m <sup>3</sup> /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
Defrost test	passed

## Average Climate

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COP $T_j = TOL$	2.41	2.00
C <sub>dh</sub>	0.90	0.90
WTOL	57 °C	57 °C
P <sub>off</sub>	11 W	11 W
P <sub>TO</sub>	51 W	51 W
P <sub>SB</sub>	11 W	11 W
P <sub>CK</sub>	100 W	100 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: P <sub>SUP</sub>	0.00 kW	0.00 kW
Annual energy consumption Q <sub>he</sub>	3879 kWh	3890 kWh

## Model: Buderus Logatherm WPLS8.2 RT

### General Data

Power supply	1x230V 50Hz
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## Heating

### EN 14511-2

	Low temperature	Medium temperature
Heat output	5.41 kW	3.99 kW
El input	1.13 kW	1.47 kW
COP	4.80	2.72
Indoor water flow rate	0.95 m <sup>3</sup> /h	0.44 m <sup>3</sup> /h

### EN 14511-4

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PCK	100 W	100 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3879 kWh	3890 kWh

## Domestic Hot Water (DHW)

### Average Climate

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

<b>EN 16147</b>	
Declared load profile	L
Efficiency $\eta_{DHW}$	105 %
COP	2.49
Heating up time	02:08 h:min
Standby power input	44.0 W
Reference hot water temperature	52.6 °C
Mixed water at 40°C	257 l

# Model: Buderus Logatherm WPLS8.2 RTS

## General Data

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## Heating

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	Low temperature	Medium temperature
Heat output	5.41 kW	3.99 kW
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