

Summary of	Buderus Logatherm WPLS2.2	Reg. No.	011-1W0139
Certificate Holder			
Name	Bosch Thermotechnik GmbH (Buder	rus)	
Address	Sophienstraße 30-32	Zip	35576
City	Wetzlar	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konfo	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH	
Name of testing laboratory	RISE Research Institutes of Sweden	RISE Research Institutes of Sweden AB	
Subtype title	Buderus Logatherm WPLS2.2		
Heat Pump Type	Outdoor Air/Water	Outdoor Air/Water	
Refrigerant	R410a		
Mass Of Refrigerant	1 kg		



## Model: Buderus Logatherm WPLS2.2 RE

General Data	
Power supply	1x230V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.20 kW	2.28 kW
El input	0.67 kW	0.99 kW
СОР	4.79	2.30
Indoor water flow rate	0.56 m³/h	0.25 m³/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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	153 %	121 %
Prated	3.00 kW	3.00 kW
SCOP	3.90	3.10
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	3.00 kW	2.40 kW
COP Tj = -7°C	3.00	2.01
Pdh Tj = +2°C	2.00 kW	1.50 kW
COP Tj = +2°C	3.71	3.00
Pdh Tj = +7°C	2.00 kW	1.50 kW
COP Tj = +7°C	5.71	4.72
Pdh Tj = 12°C	2.00 kW	1.50 kW
COP Tj = 12°C	5.71	5.03
Pdh Tj = Tbiv	3.40 kW	2.70 kW



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COP Tj = Tbiv	2.61	1.80
Pdh Tj = TOL	3.00 kW	2.50 kW
COP Tj = TOL	2.31	1.72
Cdh	0.90	0.90
WTOL	57 °C	57 °C
Poff	11 W	11 W
РТО	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 Qhe	1805 kWh	1806 kWh



# Model: Buderus Logatherm WPLS2.2 RB

General Data	
Power supply	1x230V 50Hz

## Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.20 kW	2.28 kW
El input	0.67 kW	0.99 kW
СОР	4.79	2.30
Indoor water flow rate	0.56 m³/h	0.25 m³/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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	Medium temperature
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Pdh Tj = 12°C	2.00 kW	1.50 kW
COP Tj = 12°C	5.71	5.03
Pdh Tj = Tbiv	3.40 kW	2.70 kW



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COP Tj = TOL	2.31	1.72
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Poff	11 W	11 W
РТО	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 Qhe	1805 kWh	1806 kWh



# Model: Buderus Logatherm WPLS2.2 RT

General Data	
Power supply 1x230V 50Hz	

## Heating

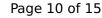
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.20 kW	2.28 kW
El input	0.67 kW	0.99 kW
СОР	4.79	2.30
Indoor water flow rate	0.56 m³/h	0.25 m³/h

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	



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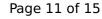
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Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1805 kWh	1806 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	105 %
СОР	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 I



## Model: Buderus Logatherm WPLS2.2 RTS

General Data	
Power supply 1x230V 50Hz	

## Heating

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	Low temperature	Medium temperature
Heat output	3.20 kW	2.28 kW
El input	0.67 kW	0.99 kW
СОР	4.79	2.30
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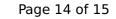
EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
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Complete power supply failure	passed	
Defrost test	passed	



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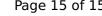
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Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW

1805 kWh

1806 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe





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Declared load profile	L		
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СОР	2.49		
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