Summary of	Buderus Logatherm WPLS4/6.2	Reg. No.	011-1W0140
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 WPLS4/6.2		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.6 kg		

Model: Buderus Logatherm WPLS4.2 RE

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.49 kW	3.01 kW
El input	0.96 kW	1.18 kW
COP	4.69	2.55
Indoor water flow rate	0.78 m³/h	0.33 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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	144 %	115 %
Prated	5.00 kW	4.00 kW
SCOP	3.68	2.95
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.40 kW	3.50 kW
COP Tj = -7°C	2.71	2.02
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	3.61	3.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.61	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.61	5.00
Pdh Tj = Tbiv	5.00 kW	4.00 kW

COP Tj = Tbiv	3.31	1.82
Pdh Tj = TOL	4.10 kW	4.10 kW
COP Tj = TOL	2.51	2.00
Cdh	0.90	0.90
WTOL	57 °C	57 °C
Poff	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 Qhe	2814 kWh	2811 kWh

Model: Buderus Logatherm WPLS4.2 RB

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.49 kW	3.01 kW
El input	0.96 kW	1.18 kW
COP	4.69	2.55
Indoor water flow rate	0.78 m³/h	0.33 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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

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	Low temperature	**Medium temperature**
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SCOP	3.68	2.95
Tbiv	-10 °C	-10 °C
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Pdh Tj = -7°C	4.40 kW	3.50 kW
COP Tj = -7°C	2.71	2.02
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	3.61	3.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.61	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.61	5.00
Pdh Tj = Tbiv	5.00 kW	4.00 kW

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WTOL	57 °C	57 °C
Poff	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 Qhe	2814 kWh	2811 kWh

Model: Buderus Logatherm WPLS4.2 RT

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.49 kW	3.01 kW
El input	0.96 kW	1.18 kW
COP	4.69	2.55
Indoor water flow rate	0.78 m³/h	0.33 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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	36 dB(A)	36 dB(A)
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EN 14825		
	Low temperature	**Medium temperature**
η_s	144 %	115 %
Prated	5.00 kW	4.00 kW
SCOP	3.68	2.95
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.40 kW	3.50 kW
COP Tj = -7°C	2.71	2.02
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	3.61	3.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.61	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.61	5.00
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COP Tj = TOL	2.51	2.00
Cdh	0.90	0.90
WTOL	57 °C	57 °C
Poff	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 Qhe	2814 kWh	2811 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	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 WPLS4.2 RTS

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	4.49 kW	3.01 kW
El input	0.96 kW	1.18 kW
COP	4.69	2.55
Indoor water flow rate	0.78 m³/h	0.33 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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	144 %	115 %
Prated	5.00 kW	4.00 kW
SCOP	3.68	2.95
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.40 kW	3.50 kW
COP Tj = -7°C	2.71	2.02
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	3.61	3.00
Pdh Tj = +7°C	3.60 kW	3.60 kW
COP Tj = +7°C	5.61	4.70
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.61	5.00
Pdh Tj = Tbiv	5.00 kW	4.00 kW

COP Tj = Tbiv	3.31	1.82
Pdh Tj = TOL	4.10 kW	4.10 kW
COP Tj = TOL	2.51	2.00
Cdh	0.90	0.90
WTOL	57 °C	57 °C
Poff	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 Qhe	2814 kWh	2811 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
Efficiency ηDHW	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 WPLS6.2 RE

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.01 kW	3.50 kW
El input	1.06 kW	1.35 kW
COP	4.70	2.60
Indoor water flow rate	0.87 m³/h	0.38 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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	36 dB(A)	36 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	148 %	119 %
Prated	6.00 kW	5.00 kW
SCOP	3.78	3.05
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	5.30 kW	4.40 kW
COP Tj = -7°C	2.71	2.00
Pdh Tj = +2°C	3.60 kW	3.20 kW
COP Tj = +2°C	3.61	3.01
Pdh Tj = +7°C	3.60 kW	3.50 kW
COP Tj = +7°C	5.61	4.71
Pdh Tj = 12°C	3.60 kW	3.60 kW
COP Tj = 12°C	5.61	5.02
Pdh Tj = Tbiv	6.00 kW	5.00 kW

COP Tj = Tbiv	2.51	1.80
Pdh Tj = TOL	4.90 kW	4.50 kW
COP Tj = TOL	2.51	2.00
Cdh	0.90	0.90
WTOL	57 °C	57 °C
Poff	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 Qhe	3296 kWh	3400 kWh

Model: Buderus Logatherm WPLS6.2 RB

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.01 kW	3.50 kW
El input	1.06 kW	1.35 kW
COP	4.70	2.60
Indoor water flow rate	0.87 m³/h	0.38 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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	36 dB(A)	36 dB(A)
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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	3296 kWh	3400 kWh

Model: Buderus Logatherm WPLS6.2 RT

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	5.01 kW	3.50 kW
El input	1.06 kW	1.35 kW
COP	4.70	2.60
Indoor water flow rate	0.87 m³/h	0.38 m³/h

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Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3296 kWh	3400 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	L
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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 WPLS6.2 RTS

General Data	
Power supply	1x230V 50Hz

Heating

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	Low temperature	**Medium temperature**
Heat output	5.01 kW	3.50 kW
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