

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

Summary of	Buderus Logatherm WPLS.11/13/15.2	Reg. No.	011-1W0143
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 WPLS.11/13/15.2		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.3 kg		
Certification Date	26.09.2017		

Model: Buderus Logatherm WPLS15.2 RE

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.65 kW	8.36 kW
El input	2.19 kW	3.06 kW
COP	4.41	2.73
Indoor water flow rate	1.64 m ³ /h	0.92 m ³ /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

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	153 %	123 %
Prated	13.00 kW	11.00 kW
SCOP	3.90	3.15
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	11.10 kW	9.30 kW
COP Tj = -7°C	2.71	2.11
Pdh Tj = +2°C	6.70 kW	6.00 kW
COP Tj = +2°C	3.71	3.11
Pdh Tj = +7°C	6.50 kW	6.00 kW
COP Tj = +7°C	5.71	4.31
Pdh Tj = 12°C	6.50 kW	6.00 kW
COP Tj = 12°C	5.71	5.01
Pdh Tj = Tbiv	12.50 kW	10.50 kW

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

COP Tj = Tbiv	2.61	1.81
Pdh Tj = TOL	12.50 kW	10.50 kW
COP Tj = TOL	2.61	1.81
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	6612 kWh	6942 kWh

Model: Buderus Logatherm WPLS13.2 RTS

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.21 kW	8.02 kW
El input	2.09 kW	2.96 kW
COP	4.40	2.70
Indoor water flow rate	1.57 m ³ /h	0.88 m ³ /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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	Low temperature	Medium temperature
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EN 14825

	Low temperature	Medium temperature
η_s	153 %	121 %
Prated	11.00 kW	10.00 kW
SCOP	3.90	3.10
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	9.90 kW	8.40 kW
COP Tj = -7°C	2.71	2.11
Pdh Tj = +2°C	6.00 kW	6.00 kW
COP Tj = +2°C	3.72	3.11
Pdh Tj = +7°C	6.50 kW	6.00 kW
COP Tj = +7°C	5.71	4.31
Pdh Tj = 12°C	6.50 kW	6.00 kW
COP Tj = 12°C	5.71	5.01
Pdh Tj = Tbiv	11.20 kW	9.50 kW

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COP Tj = Tbiv	2.61	1.81
Pdh Tj = TOL	11.20 kW	9.50 kW
COP Tj = TOL	2.61	1.81
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	5949 kWh	6356 kWh

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	71 %
COP	1.68
Heating up time	3:20 h:min
Standby power input	60.0 W
Reference hot water temperature	56.4 °C
Mixed water at 40°C	304 l

Model: Buderus Logatherm WPLS13.2 RT

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	9.21 kW	8.02 kW
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General Data

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COP $T_j = T_{biv}$	2.61	1.81
P _{dh} $T_j = TOL$	11.20 kW	9.50 kW
COP $T_j = TOL$	2.61	1.81
C _{dh}	0.90	0.90
WTOL	57 °C	57 °C
P _{off}	11 W	11 W
P _{TO}	51 W	51 W
P _{SB}	11 W	11 W
P _{CK}	100 W	100 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: P _{SUP}	0.00 kW	0.00 kW
Annual energy consumption Q _{he}	5949 kWh	6356 kWh

Model: Buderus Logatherm WPLS13.2 RE

General Data

Power supply	3x400V 50Hz
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Heating

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COP Tj = 12°C	5.71	5.01
Pdh Tj = Tbiv	11.20 kW	9.50 kW

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COP $T_j = T_{biv}$	2.61	1.81
P _{dh} $T_j = TOL$	11.20 kW	9.50 kW
COP $T_j = TOL$	2.61	1.81
C _{dh}	0.90	0.90
WTOL	57 °C	57 °C
P _{off}	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 _{he}	5949 kWh	6356 kWh

Model: Buderus Logatherm WPLS11.2 RTS

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	8.60 kW	7.50 kW
El input	1.95 kW	2.78 kW
COP	4.40	2.70
Indoor water flow rate	1.47 m ³ /h	0.83 m ³ /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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	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	152 %	119 %
Prated	10.00 kW	9.00 kW
SCOP	3.88	3.05
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.80 kW	7.50 kW
COP Tj = -7°C	2.71	2.10
Pdh Tj = +2°C	5.90 kW	6.00 kW
COP Tj = +2°C	3.81	3.11
Pdh Tj = +7°C	6.50 kW	6.00 kW
COP Tj = +7°C	5.71	4.30
Pdh Tj = 12°C	6.50 kW	6.00 kW
COP Tj = 12°C	5.71	5.01
Pdh Tj = Tbiv	10.00 kW	8.50 kW

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COP Tj = Tbiv	2.61	1.81
Pdh Tj = TOL	10.00 kW	8.50 kW
COP Tj = TOL	2.61	1.81
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	5324 kWh	5770 kWh

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	71 %
COP	1.68
Heating up time	3:20 h:min
Standby power input	60.0 W
Reference hot water temperature	56.4 °C
Mixed water at 40°C	304 l

Model: Buderus Logatherm WPLS11.2 RT

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	8.60 kW	7.50 kW
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Indoor water flow rate	1.47 m ³ /h	0.83 m ³ /h

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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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	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
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EN 14825

	Low temperature	Medium temperature
η_s	152 %	119 %
Prated	10.00 kW	9.00 kW
SCOP	3.88	3.05
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.80 kW	7.50 kW
COP Tj = -7°C	2.71	2.10
Pdh Tj = +2°C	5.90 kW	6.00 kW
COP Tj = +2°C	3.81	3.11
Pdh Tj = +7°C	6.50 kW	6.00 kW
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Pdh Tj = 12°C	6.50 kW	6.00 kW
COP Tj = 12°C	5.71	5.01
Pdh Tj = Tbiv	10.00 kW	8.50 kW

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COP Tj = Tbiv	2.61	1.81
Pdh Tj = TOL	10.00 kW	8.50 kW
COP Tj = TOL	2.61	1.81
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	5324 kWh	5770 kWh

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Mixed water at 40°C	304 l

Model: Buderus Logatherm WPLS11.2 RB

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	8.60 kW	7.50 kW
El input	1.95 kW	2.78 kW
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EN 14825

	Low temperature	Medium temperature
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Prated	10.00 kW	9.00 kW
SCOP	3.88	3.05
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.80 kW	7.50 kW
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COP Tj = 12°C	5.71	5.01
Pdh Tj = Tbiv	10.00 kW	8.50 kW

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COP $T_j = T_{biv}$	2.61	1.81
P _{dh} $T_j = TOL$	10.00 kW	8.50 kW
COP $T_j = TOL$	2.61	1.81
C _{dh}	0.90	0.90
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P _{off}	11 W	11 W
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Annual energy consumption Q _{he}	5324 kWh	5770 kWh

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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	6612 kWh	6942 kWh

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COP	1.68
Heating up time	3:20 h:min
Standby power input	60.0 W
Reference hot water temperature	56.4 °C
Mixed water at 40°C	304 l

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EN 14511-2

	Low temperature	Medium temperature
Heat output	9.65 kW	8.36 kW
El input	2.19 kW	3.06 kW
COP	4.41	2.73
Indoor water flow rate	1.64 m ³ /h	0.92 m ³ /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

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	153 %	123 %
Prated	13.00 kW	11.00 kW
SCOP	3.90	3.15
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	11.10 kW	9.30 kW
COP Tj = -7°C	2.71	2.11
Pdh Tj = +2°C	6.70 kW	6.00 kW
COP Tj = +2°C	3.71	3.11
Pdh Tj = +7°C	6.50 kW	6.00 kW
COP Tj = +7°C	5.71	4.31
Pdh Tj = 12°C	6.50 kW	6.00 kW
COP Tj = 12°C	5.71	5.01
Pdh Tj = Tbiv	12.50 kW	10.50 kW

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

COP $T_j = T_{biv}$	2.61	1.81
P _{dh} $T_j = TOL$	12.50 kW	10.50 kW
COP $T_j = TOL$	2.61	1.81
C _{dh}	0.90	0.90
WTOL	57 °C	57 °C
P _{off}	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 _{he}	6612 kWh	6942 kWh

Model: Buderus Logatherm WPLS11.2 RE

General Data

Power supply	3x400V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	8.60 kW	7.50 kW
El input	1.95 kW	2.78 kW
COP	4.40	2.70
Indoor water flow rate	1.47 m ³ /h	0.83 m ³ /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

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

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	67 dB(A)	67 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	152 %	119 %
Prated	10.00 kW	9.00 kW
SCOP	3.88	3.05
Tbiv	-10 °C	-10 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	8.80 kW	7.50 kW
COP Tj = -7°C	2.71	2.10
Pdh Tj = +2°C	5.90 kW	6.00 kW
COP Tj = +2°C	3.81	3.11
Pdh Tj = +7°C	6.50 kW	6.00 kW
COP Tj = +7°C	5.71	4.30
Pdh Tj = 12°C	6.50 kW	6.00 kW
COP Tj = 12°C	5.71	5.01
Pdh Tj = Tbiv	10.00 kW	8.50 kW

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

COP Tj = Tbiv	2.61	1.81
Pdh Tj = TOL	10.00 kW	8.50 kW
COP Tj = TOL	2.61	1.81
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	5324 kWh	5770 kWh