

CERTIFICATE

Certificate holder	Bosch Thermotechnik GmbH Sophienstr. 30-32 35576 Wetzlar GERMANY
Production facility	Aveiro, Changwon, Tranas
Product	Air/Water Heat pumps
Type, Model	Buderus Logatherm WPLS8.2
Testing basis	DIN EN 14511-1; DIN EN 14511-2; DIN EN 14511-3; DIN EN 14511-4:2013-12 DIN EN 14825:2013-12 DIN EN 12102:2013-10 DIN EN 16147:2011-04 European KEYMARK Scheme Heat Pumps Rev. 2 (2017-03)
Mark of conformity	
Registration No.	011-1W0142
Valid until	2027-07-31
Right of use	This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number. See annex for further information.
Deutsche Akkreditierungsstelle 0-ZE-11125-01-00	2017-07-18 DiplWiIng. (FH) Sören Scholz Head of Certification Body



ANNEX

Certificate

011-1W0142 dated 2017-07-18

Technical Data

See technical data sheet to the above mentioned registration number at www.dincertco.tuv.com

Testing laboratory/ Inspection body RISE Research Institutes of Sweden AB PO Box 857 501 15 Boras SWEDEN

Test report(s)

4P07069-02 dated 2015-05-05



Page 1 of 1



Page 1 of 15

This information was downloaded from the HP KEYMARK database on 16 Mar 2020

Summary of	Buderus Logatherm WPLS8.2	Reg. No.	011-1W0142		
Certificate Holder					
Name	Bosch Thermotechnik GmbH (Buderus)	Bosch Thermotechnik GmbH (Buderus)			
Address	Sophienstraße 30-32	Sophienstraße 30-32 Zip 35576			
City	Wetzlar	Country	Germany		
Certification Body	DIN CERTCO Gesellschaft für Konformi	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	HFC-410a				
Mass Of Refrigerant	1.6 kg				
Certification Date	n/a				
Testing basis	n/a				



Model: Buderus Logatherm WPLS8.2 RE

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.41 kW	3.99 kW
El input	1.13 kW	1.47 kW
СОР	4.80	2.72
Indoor water flow rate	0.95 m³/h	0.44 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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Page 3 of 15

This information was downloaded from the HP KEYMARK database on 16 Mar 2020

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

Disclaimer: this document is a summary of the certified performance.



Page 4 of 15

		WARK Ualabase off To War 2020
Pdh Tj = Tbiv	7.20 kW	6.00 kW
COP Tj = Tbiv	2.51	1.90
Pdh Tj = TOL	5.70 kW	4.90 kW
COP Tj = TOL	2.41	2.00
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
РСК	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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



Model: Buderus Logatherm WPLS8.2 RB

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.41 kW	3.99 kW
El input	1.13 kW	1.47 kW
СОР	4.80	2.72
Indoor water flow rate	0.95 m³/h	0.44 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



Page 6 of 15

This information was downloaded from the HP KEYMARK database on 16 Mar 2020

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
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

Disclaimer: this document is a summary of the certified performance.



Page 7 of 15

		WARK Ualabase off To War 2020
Pdh Tj = Tbiv	7.20 kW	6.00 kW
COP Tj = Tbiv	2.51	1.90
Pdh Tj = TOL	5.70 kW	4.90 kW
COP Tj = TOL	2.41	2.00
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
РСК	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



Model: Buderus Logatherm WPLS8.2 RT

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.41 kW	3.99 kW
El input	1.13 kW	1.47 kW
СОР	4.80	2.72
Indoor water flow rate	0.95 m³/h	0.44 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



Page 9 of 15

This information was downloaded from the HP KEYMARK database on 16 Mar 2020

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
η _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



15 20

KEYMARK		Page 10 of 1
This information was c	lownloaded from the HP KE	YMARK database on 16 Mar 202
Pdh Tj = Tbiv	7.20 kW	6.00 kW
COP Tj = Tbiv	2.51	1.90
Pdh Tj = TOL	5.70 kW	4.90 kW
COP Tj = TOL	2.41	2.00
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
РСК	100 W	100 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW

3879 kWh

3890 kWh

Domestic Hot Water (DHW)

Annual energy consumption Qhe

Average Climate

Disclaimer: this document is a summary of the certified performance.



Page 11 of 15 This information was downloaded from the HP KEYMARK database on 16 Mar 2020

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

Disclaimer: this document is a summary of the certified performance.



Model: Buderus Logatherm WPLS8.2 RTS

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	5.41 kW	3.99 kW
El input	1.13 kW	1.47 kW
СОР	4.80	2.72
Indoor water flow rate	0.95 m³/h	0.44 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	37 dB(A)	37 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
η _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

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

Disclaimer: this document is a summary of the certified performance.



PTO

PSB

PCK

Page 14 of This information was downloaded from the HP KEYMARK database on 16 Mar 20			
Pdh Tj = Tbiv	7.20 kW	6.00 kW	
COP Tj = Tbiv	2.51	1.90	
Pdh Tj = TOL	5.70 kW	4.90 kW	
COP Tj = TOL	2.41	2.00	
Cdh	0.90	0.90	
WTOL	57 °C	57 °C	
Poff	11 W	11 W	

51 W

11 W

100 W

Electric

0.00 kW

3879 kWh

51 W

11 W

100 W

Electric

0.00 kW

3890 kWh

Supplementary Heater: Type of energy input

Supplementary Heater: PSUP

Annual energy consumption Qhe

Average Climate

Domestic Hot Water (DHW)

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com

Disclaimer: this document is a summary of the certified performance.



Page 15 of 15 This information was downloaded from the HP KEYMARK database on 16 Mar 2020

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	

Disclaimer: this document is a summary of the certified performance.