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#### This information was generated by the HP KEYMARK database on 22 Jun 2022

#### **Login**

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 Konfor	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	Buderus Logatherm WPLS4/6.2			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	1.6 kg	1.6 kg		
Certification Date	18.07.2017			

# Model: Buderus Logatherm WPLS4.2 RE

Configure model		
Model name	Buderus Logatherm WPLS4.2 RE	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

## Heating

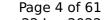
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.47 kW	6.80 kW	
El input	1.96 kW	2.99 kW	
СОР	1.77	2.27	

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	65 dB(A)	65 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	215 %	149 %
Prated	6.17 kW	4.95 kW
SCOP	5.46	3.81
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.17 kW	4.94 kW
COP Tj = +2°C	3.53	2.07
Cdh Tj = +2 °C	0.990	0.993
Pdh Tj = +7°C	3.96 kW	3.16 kW
COP Tj = +7°C	5.11	3.36
Cdh Tj = +7 °C	0.978	0.982
Pdh Tj = 12°C	3.99 kW	3.73 kW
COP Tj = 12°C	6.59	4.99
Cdh Tj = +12 °C	0.972	0.977





This information was generated by the HP KEYMARK database on 22 Jun 2022 Pdh Tj = Tbiv6.17 kW 4.94 kW COP Tj = Tbiv 3.53 2.07 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 6.17 kW 4.94 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.53 2.07 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.990 0.993 WTOL 57 °C 57 °C 17 W 17 W Poff PTO 17 W 17 W **PSB** 17 W 17 W **PCK** 16 W 16 W Supplementary Heater: Type of energy input Electricity Electricity

#### Colder Climate

Supplementary Heater: PSUP

Annual energy consumption Qhe

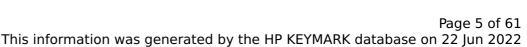
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

0.00 kW

1510 kWh

0.00 kW

1737 kWh



CEN heat pump KEYMARK	
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	Low temperature	Medium temperature
$\eta_{s}$	145 %	106 %
Prated	6.74 kW	5.44 kW
SCOP	3.69	2.72
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.08 kW	3.27 kW
COP Tj = -7°C	3.44	2.28
Cdh Tj = -7 °C	0.986	0.988
Pdh Tj = +2°C	3.08 kW	2.81 kW
COP Tj = +2°C	4.79	3.40
Cdh Tj = +2 °C	0.974	0.979
Pdh Tj = +7°C	3.51 kW	3.29 kW
$COP Tj = +7^{\circ}C$	5.72	4.35
Cdh Tj = +7 °C	0.972	0.978
Pdh Tj = 12°C	4.01 kW	3.83 kW
COP Tj = 12°C	6.62	5.61
Cdh Tj = +12 °C	0.972	0.975
Pdh Tj = Tbiv	5.50 kW	4.44 kW
COP Tj = Tbiv	2.81	1.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.50 kW	4.43 kW

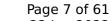




COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.81	1.99
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.992
WTOL	57 °C	57 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.74 kW	5.44 kW
Annual energy consumption Qhe	4500 kWh	4933 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.50	4.43
COP Tj = -15°C (if TOL $<$ -20°C)	2.81	1.99
Cdh Tj = -15 °C	0.991	0.992

## **Average Climate**

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	65 dB(A)	65 dB(A)	





	Low temperature	Medium temperature
$\eta_{s}$	175 %	122 %
Prated	5.84 kW	4.78 kW
SCOP	4.46	3.12
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.19 kW	4.20 kW
$COP Tj = -7^{\circ}C$	3.04	1.91
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = +2°C	3.01 kW	2.52 kW
COP Tj = +2°C	4.53	3.09
Cdh Tj = +2 °C	0.974	0.979
Pdh Tj = +7°C	3.49 kW	3.16 kW
$COP Tj = +7^{\circ}C$	5.57	4.08
Cdh Tj = +7 °C	0.973	0.978
Pdh Tj = 12°C	3.49 kW	3.81 kW
COP Tj = 12°C	5.57	5.35
Cdh Tj = +12 °C	0.973	0.976
Pdh Tj = Tbiv	5.84 kW	4.77 kW
COP Tj = Tbiv	2.68	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.84 kW	4.77 kW



COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2708 kWh	3163 kWh



# Model: Buderus Logatherm WPLS4.2 RB

Configure model		
Model name	Buderus Logatherm WPLS4.2 RB	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

## Heating

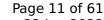
EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.47 kW	6.80 kW
El input	1.96 kW	2.99 kW
СОР	1.77	2.27

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	215 %	149 %
Prated	6.17 kW	4.95 kW
SCOP	5.46	3.81
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.17 kW	4.94 kW
COP Tj = +2°C	3.53	2.07
Cdh Tj = +2 °C	0.990	0.993
Pdh Tj = +7°C	3.96 kW	3.16 kW
COP Tj = +7°C	5.11	3.36
Cdh Tj = +7 °C	0.978	0.982
Pdh Tj = 12°C	3.99 kW	3.73 kW
COP Tj = 12°C	6.59	4.99
Cdh Tj = +12 °C	0.972	0.977





Pdh Tj = Tbiv	6.17 kW	4.94 kW
COP Tj = Tbiv	3.53	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.17 kW	4.94 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.53	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.993
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1510 kWh	1737 kWh

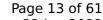
### Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)



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	Low temperature	Medium temperature
$\eta_{s}$	145 %	106 %
Prated	6.74 kW	5.44 kW
SCOP	3.69	2.72
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.08 kW	3.27 kW
COP Tj = -7°C	3.44	2.28
Cdh Tj = -7 °C	0.986	0.988
Pdh Tj = +2°C	3.08 kW	2.81 kW
COP Tj = +2°C	4.79	3.40
Cdh Tj = +2 °C	0.974	0.979
Pdh Tj = +7°C	3.51 kW	3.29 kW
$COP Tj = +7^{\circ}C$	5.72	4.35
Cdh Tj = +7 °C	0.972	0.978
Pdh Tj = 12°C	4.01 kW	3.83 kW
COP Tj = 12°C	6.62	5.61
Cdh Tj = +12 °C	0.972	0.975
Pdh Tj = Tbiv	5.50 kW	4.44 kW
COP Tj = Tbiv	2.81	1.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.50 kW	4.43 kW





2.81	1.99
0.991	0.992
57 °C	57 °C
17 W	17 W
17 W	17 W
17 W	17 W
16 W	16 W
n/a	
0.00 kW	0.00 kW
4500 kWh	4933 kWh
5.50	4.43
2.81	1.99
0.991	0.992
	0.991 57 °C 17 W 17 W 17 W 16 W n/a 0.00 kW 4500 kWh 5.50 2.81

## **Average Climate**

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	65 dB(A)	65 dB(A)	



	Low temperature	Medium temperature
$\eta_{s}$	175 %	122 %
Prated	5.84 kW	4.78 kW
SCOP	4.46	3.12
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.19 kW	4.20 kW
COP Tj = -7°C	3.04	1.91
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = +2°C	3.01 kW	2.52 kW
COP Tj = +2°C	4.53	3.09
Cdh Tj = +2 °C	0.974	0.979
Pdh Tj = +7°C	3.49 kW	3.16 kW
$COP Tj = +7^{\circ}C$	5.57	4.08
Cdh Tj = +7 °C	0.973	0.978
Pdh Tj = 12°C	3.49 kW	3.81 kW
COP Tj = 12°C	5.57	5.35
Cdh Tj = +12 °C	0.973	0.976
Pdh Tj = Tbiv	5.84 kW	4.77 kW
COP Tj = Tbiv	2.68	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.84 kW	4.77 kW



COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	57 °C	57 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2708 kWh	3163 kWh

# Model: Buderus Logatherm WPLS4.2 RT

Configure model		
Model name	Buderus Logatherm WPLS4.2 RT	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

## Heating

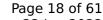
EN 14511-2				
Low temperature Medium temperature				
Heat output	3.47 kW	6.80 kW		
El input	1.96 kW	2.99 kW		
СОР	1.77	2.27		

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	215 %	149 %
Prated	6.17 kW	4.95 kW
SCOP	5.46	3.81
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.17 kW	4.94 kW
COP Tj = +2°C	3.53	2.07
Cdh Tj = +2 °C	0.990	0.993
Pdh Tj = +7°C	3.96 kW	3.16 kW
COP Tj = +7°C	5.11	3.36
Cdh Tj = +7 °C	0.978	0.982
Pdh Tj = 12°C	3.99 kW	3.73 kW
COP Tj = 12°C	6.59	4.99
Cdh Tj = +12 °C	0.972	0.977





Pdh Tj = Tbiv	6.17 kW	4.94 kW
COP Tj = Tbiv	3.53	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.17 kW	4.94 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.53	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.993
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1510 kWh	1737 kWh

### Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	38 dB(A)	38 dB(A)	
Sound power level outdoor	65 dB(A)	65 dB(A)	



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	Low temperature	Medium temperature
ης	145 %	106 %
Prated	6.74 kW	5.44 kW
SCOP	3.69	2.72
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = $-7^{\circ}$ C	4.08 kW	3.27 kW
$COP Tj = -7^{\circ}C$	3.44	2.28
Cdh Tj = -7 °C	0.986	0.988
Pdh Tj = $+2$ °C	3.08 kW	2.81 kW
COP Tj = +2°C	4.79	3.40
Cdh Tj = +2 °C	0.974	0.979
Pdh Tj = $+7^{\circ}$ C	3.51 kW	3.29 kW
$COPTj = +7^{\circ}C$	5.72	4.35
Cdh Tj = $+7$ °C	0.972	0.978
Pdh Tj = 12°C	4.01 kW	3.83 kW
COP Tj = 12°C	6.62	5.61
Cdh Tj = +12 °C	0.972	0.975
Pdh Tj = Tbiv	5.50 kW	4.44 kW
COP Tj = Tbiv	2.81	1.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	5.50 kW	4.43 kW

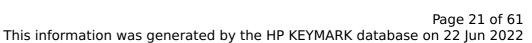




COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.81	1.99
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.991	0.992
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	6.74 kW	5.44 kW
Annual energy consumption Qhe	4500 kWh	4933 kWh
Pdh Tj = -15°C (if TOL<-20°C)	5.50	1.99
COP Tj = -15°C (if TOL<-20°C)	2.81	1.99
Cdh Tj = -15 °C	0.991	0.992

## **Average Climate**

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)





	Low temperature	Medium temperature
$\eta_{s}$	175 %	122 %
Prated	5.84 kW	4.78 kW
SCOP	4.46	3.12
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ C	5.19 kW	4.20 kW
COP Tj = $-7^{\circ}$ C	3.04	1.91
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = $+2$ °C	3.01 kW	2.52 kW
$COP Tj = +2^{\circ}C$	4.53	3.09
Cdh Tj = +2 °C	0.974	0.979
Pdh Tj = $+7^{\circ}$ C	3.49 kW	3.16 kW
$COP Tj = +7^{\circ}C$	5.57	4.08
Cdh Tj = +7 °C	0.973	0.978
Pdh Tj = 12°C	3.49 kW	3.81 kW
COP Tj = 12°C	5.57	5.35
Cdh Tj = +12 °C	0.973	0.976
Pdh Tj = Tbiv	5.84 kW	4.77 kW
COP Tj = Tbiv	2.68	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.84 kW	4.77 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.68 1.72 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.992 0.994 WTOL 57 °C 57 °C Poff 17 W 17 W PTO 17 W 17 W **PSB** 17 W 17 W **PCK** 16 W 16 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW

2708 kWh

3163 kWh

### Domestic Hot Water (DHW)

Annual energy consumption Qhe

EN 16147		
Declared load profile	L	
Efficiency ηDHW	113 %	
СОР	2.65	
Heating up time	01:44 h:min	
Standby power input	51.0 W	
Reference hot water temperature	51.9 °C	
Mixed water at 40°C	252 I	



### Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	72 %	
СОР	1.64	
Heating up time	02:43 h:min	
Standby power input	109.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	250 l	

## Average Climate

EN 16147		
Deployed load worfile		
Declared load profile	L	
Efficiency ηDHW	94 %	
СОР	2.22	
Heating up time	02:11 h:min	
Standby power input	58.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	254 I	



# Model: Buderus Logatherm WPLS4.2 RTS

Configure model		
Model name	Buderus Logatherm WPLS4.2 RTS	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

## Heating

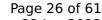
EN 14511-2		
Low temperature Medium temperature		Medium temperature
Heat output	3.47 kW	6.80 kW
El input	1.96 kW	2.99 kW
СОР	1.77	2.27

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	215 %	149 %
Prated	6.17 kW	4.95 kW
SCOP	5.46	3.81
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.17 kW	4.94 kW
COP Tj = +2°C	3.53	2.07
Cdh Tj = +2 °C	0.990	0.993
Pdh Tj = +7°C	3.96 kW	3.16 kW
COP Tj = +7°C	5.11	3.36
Cdh Tj = +7 °C	0.978	0.982
Pdh Tj = 12°C	3.99 kW	3.73 kW
COP Tj = 12°C	6.59	4.99
Cdh Tj = +12 °C	0.972	0.977





Pdh Tj = Tbiv	6.17 kW	4.94 kW
COP Tj = Tbiv	3.53	2.07
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.17 kW	4.94 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.53	2.07
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.990	0.993
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1510 kWh	1737 kWh

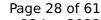
### Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)





	Low temperature	Medium temperature
$\eta_{s}$	145 %	106 %
Prated	6.74 kW	5.44 kW
SCOP	3.69	2.72
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = $-7$ °C	4.08 kW	3.27 kW
$COPTj = -7^{\circ}C$	3.44	2.28
Cdh Tj = -7 °C	0.986	0.988
Pdh Tj = $+2$ °C	3.08 kW	2.81 kW
$COP Tj = +2^{\circ}C$	4.79	3.40
Cdh Tj = $+2$ °C	0.974	0.979
Pdh Tj = $+7$ °C	3.51 kW	3.29 kW
$COP Tj = +7^{\circ}C$	5.72	4.35
Cdh Tj = $+7$ °C	0.972	0.978
Pdh Tj = 12°C	4.01 kW	3.83 kW
COP Tj = 12°C	6.62	5.61
Cdh Tj = +12 °C	0.972	0.975
Pdh Tj = Tbiv	5.50 kW	4.44 kW
COP Tj = Tbiv	2.81	1.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.50 kW	4.43 kW

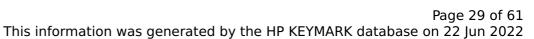




2.81	1.99
0.991	0.992
57 °C	57 °C
17 W	17 W
17 W	17 W
17 W	17 W
16 W	16 W
Electricity	Electricity
6.74 kW	5.44 kW
4500 kWh	4933 kWh
5.50	4.43
2.81	1.99
0.991	0.992
	0.991 57 °C 17 W 17 W 17 W 16 W Electricity 6.74 kW 4500 kWh 5.50 2.81

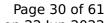
## **Average Climate**

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)





	Low temperature	Medium temperature
$\eta_{s}$	175 %	122 %
Prated	5.84 kW	4.78 kW
SCOP	4.46	3.12
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.19 kW	4.20 kW
$COP Tj = -7^{\circ}C$	3.04	1.91
Cdh Tj = -7 °C	0.990	0.992
Pdh Tj = $+2$ °C	3.01 kW	2.52 kW
COP Tj = +2°C	4.53	3.09
Cdh Tj = +2 °C	0.974	0.979
Pdh Tj = $+7^{\circ}$ C	3.49 kW	3.16 kW
$COP Tj = +7^{\circ}C$	5.57	4.08
Cdh Tj = +7 °C	0.973	0.978
Pdh Tj = 12°C	3.49 kW	3.81 kW
COP Tj = 12°C	5.57	5.35
Cdh Tj = +12 °C	0.973	0.976
Pdh Tj = Tbiv	5.84 kW	4.77 kW
COP Tj = Tbiv	2.68	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.84 kW	4.77 kW





This information was generated by the HP REYMARK database on 22 jun 20		
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.72
Cdh Ti = TOL or Pdh Ti = Tdesianh if TOL < Tdesianh	0.992	0.994

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2708 kWh	3163 kWh

## Domestic Hot Water (DHW)

EN 16147	
Declared load profile	L
Efficiency ηDHW	100 %
СОР	2.34
Heating up time	01:42 h:min
Standby power input	63.0 W
Reference hot water temperature	50.9 °C
Mixed water at 40°C	247 I



### Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	70 %
СОР	1.61
Heating up time	01:56 h:min
Standby power input	111.2 W
Reference hot water temperature	50.5 °C
Mixed water at 40°C	244

## Average Climate

EN 16147	
Declared load profile	1
	L
Efficiency ηDHW	87 %
СОР	2.04
Heating up time	02:08 h:min
Standby power input	62.2 W
Reference hot water temperature	51.1 °C
Mixed water at 40°C	238

# Model: Buderus Logatherm WPLS6.2 RE

Configure model		
Model name	Buderus Logatherm WPLS6.2 RE	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

## Heating

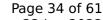
EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.47 kW	7.62 kW	
El input	1.96 kW	3.46 kW	
СОР	1.77	2.20	

EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825			
	Low temperature	Medium temperature	
$\eta_{s}$	215 %	148 %	
Prated	6.39 kW	5.81 kW	
SCOP	5.45	3.77	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	6.39 kW	5.81 kW	
COP Tj = +2°C	3.10	2.02	
Cdh Tj = +2 °C	0.992	0.994	
Pdh Tj = +7°C	4.22 kW	3.72 kW	
COP Tj = +7°C	5.21	3.36	
Cdh Tj = +7 °C	0.979	0.985	
Pdh Tj = 12°C	4.01 kW	3.72 kW	
COP Tj = 12°C	6.57	4.84	
Cdh Tj = +12 °C	0.972	0.978	

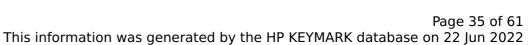




Pdh Tj = Tbiv	6.39 kW	5.81 kW
COP Tj = Tbiv	3.10	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.39 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.10	2.02
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1566 kWh	2058 kWh

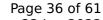
### Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	65 dB(A)	65 dB(A)	





	Low temperature	Medium temperature
$\eta_{s}$	141 %	109 %
Prated	7.30 kW	6.80 kW
SCOP	3.59	2.80
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.40 kW	4.12 kW
$COP Tj = -7^{\circ}C$	3.29	2.37
Cdh Tj = -7 °C	0.987	0.990
Pdh Tj = +2°C	3.00 kW	2.73 kW
COP Tj = +2°C	4.74	3.55
Cdh Tj = +2 °C	0.973	0.978
Pdh Tj = +7°C	3.47 kW	3.26 kW
COP Tj = +7°C	5.56	4.38
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	4.03 kW	3.87 kW
COP Tj = 12°C	6.74	5.47
Cdh Tj = +12 °C	0.972	0.976
Pdh Tj = Tbiv	6.00 kW	5.55 kW
COP Tj = Tbiv	2.43	1.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	5.55 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.86
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.994
WTOL	57 °C	57 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	7.30 kW	6.80 kW
Annual energy consumption Qhe	5007 kWh	5992 kWh
Pdh Tj = -15°C (if TOL<-20°C)	6.00	5.55
COP Tj = -15°C (if TOL $<$ -20°C)	2.43	1.86
Cdh Tj = -15 °C	0.993	0.994

# **Average Climate**

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	65 dB(A)	65 dB(A)	





	Low temperature	Medium temperature
$\eta_{s}$	167 %	121 %
Prated	6.80 kW	5.31 kW
SCOP	4.24	3.10
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.92 kW	4.78 kW
$COP Tj = -7^{\circ}C$	2.64	1.90
Cdh Tj = -7 °C	0.992	0.993
Pdh Tj = +2°C	3.58 kW	2.80 kW
COP Tj = +2°C	4.22	3.11
Cdh Tj = +2 °C	0.980	0.981
Pdh Tj = $+7^{\circ}$ C	3.49 kW	3.16 kW
$COP Tj = +7^{\circ}C$	5.51	3.96
Cdh Tj = +7 °C	0.973	0.979
Pdh Tj = 12°C	3.91 kW	3.81 kW
COP Tj = 12°C	6.40	5.22
Cdh Tj = +12 °C	0.972	0.977
Pdh Tj = Tbiv	6.80 kW	5.31 kW
COP Tj = Tbiv	2.54	1.54
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.80 kW	5.31 kW



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#### This information was generated by the HP KEYMARK database on 22 Jun 2022

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3311 kWh	3535 kWh

# Model: Buderus Logatherm WPLS6.2 RB

Configure model		
Model name	Buderus Logatherm WPLS6.2 RB	
Application	Heating (medium temp)	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

# Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	3.47 kW	7.62 kW
El input	1.96 kW	3.46 kW
СОР	1.77	2.20

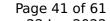
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## Warmer Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	65 dB(A)	65 dB(A)	

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	215 %	148 %
Prated	6.39 kW	5.81 kW
SCOP	5.45	3.77
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.39 kW	5.81 kW
COP Tj = +2°C	3.10	2.02
Cdh Tj = +2 °C	0.992	0.994
Pdh Tj = +7°C	4.22 kW	3.72 kW
COP Tj = +7°C	5.21	3.36
Cdh Tj = +7 °C	0.979	0.985
Pdh Tj = 12°C	4.01 kW	3.72 kW
COP Tj = 12°C	6.57	4.84
Cdh Tj = +12 °C	0.972	0.978

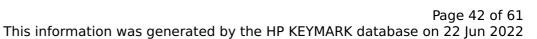




Pdh Tj = Tbiv	6.39 kW	5.81 kW
COP Tj = Tbiv	3.10	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.39 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.10	2.02
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1566 kWh	2058 kWh

## Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	29 dB(A)	29 dB(A)	
Sound power level outdoor	65 dB(A)	65 dB(A)	





	Low temperature	Medium temperature
$\eta_{s}$	141 %	109 %
Prated	7.30 kW	6.80 kW
SCOP	3.59	2.80
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.40 kW	4.12 kW
$COP Tj = -7^{\circ}C$	3.29	2.37
Cdh Tj = -7 °C	0.987	0.990
Pdh Tj = $+2$ °C	3.00 kW	2.73 kW
COP Tj = +2°C	4.74	3.55
Cdh Tj = +2 °C	0.973	0.978
Pdh Tj = $+7^{\circ}$ C	3.47 kW	3.26 kW
COP Tj = +7°C	5.56	4.38
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	4.03 kW	3.87 kW
COP Tj = 12°C	6.74	5.47
Cdh Tj = +12 °C	0.972	0.976
Pdh Tj = Tbiv	6.00 kW	5.55 kW
COP Tj = Tbiv	2.43	1.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	5.55 kW

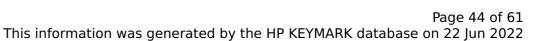




COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.86
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.994
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5007 kWh	5992 kWh
Pdh Tj = -15°C (if TOL<-20°C)	6.00	5.55
COP Tj = -15°C (if TOL $<$ -20°C)	2.43	1.86
Cdh Tj = -15 °C	0.993	0.994

# Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	29 dB(A)	29 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)





	Low temperature	Medium temperature
$\eta_{s}$	167 %	121 %
Prated	6.80 kW	5.31 kW
SCOP	4.24	3.10
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.92 kW	4.78 kW
$COP Tj = -7^{\circ}C$	2.64	1.90
Cdh Tj = -7 °C	0.992	0.993
Pdh Tj = $+2$ °C	3.58 kW	2.80 kW
$COPTj = +2^{\circ}C$	4.22	3.11
Cdh Tj = +2 °C	0.980	0.981
Pdh Tj = $+7^{\circ}$ C	3.49 kW	3.16 kW
$COPTj = +7^{\circ}C$	5.51	3.96
Cdh Tj = +7 °C	0.973	0.979
Pdh Tj = 12°C	3.91 kW	3.81 kW
COP Tj = 12°C	6.40	5.22
Cdh Tj = +12 °C	0.972	0.977
Pdh Tj = Tbiv	6.80 kW	5.31 kW
COP Tj = Tbiv	2.54	1.54
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.80 kW	5.31 kW



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#### This information was generated by the HP KEYMARK database on 22 Jun 2022

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3311 kWh	3535 kWh



# Model: Buderus Logatherm WPLS6.2 RT

Configure model		
Model name	Buderus Logatherm WPLS6.2 RT	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

# Heating

EN 14511-2			
Low temperature Medium temperature			
Heat output	3.47 kW	7.62 kW	
El input	1.96 kW	3.46 kW	
СОР	1.77	2.20	

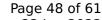
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	215 %	148 %
Prated	6.39 kW	5.81 kW
SCOP	5.45	3.77
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.39 kW	5.81 kW
COP Tj = +2°C	3.10	2.02
Cdh Tj = +2 °C	0.992	0.994
Pdh Tj = +7°C	4.22 kW	3.72 kW
COP Tj = +7°C	5.21	3.36
Cdh Tj = +7 °C	0.979	0.985
Pdh Tj = 12°C	4.01 kW	3.72 kW
COP Tj = 12°C	6.57	4.84
Cdh Tj = +12 °C	0.972	0.978

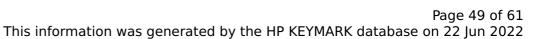




Pdh Tj = Tbiv	6.39 kW	5.81 kW
COP Tj = Tbiv	3.10	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.39 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.10	2.02
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.992	0.994
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1566 kWh	2058 kWh

## Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)





	Low temperature	Medium temperature
$\eta_{s}$	141 %	109 %
Prated	7.30 kW	6.80 kW
SCOP	3.59	2.80
Tbiv	-15 °C	-15 °C
TOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.40 kW	4.12 kW
COP Tj = -7°C	3.29	2.37
Cdh Tj = -7 °C	0.987	0.990
Pdh Tj = $+2$ °C	3.00 kW	2.73 kW
COP Tj = +2°C	4.74	3.55
Cdh Tj = +2 °C	0.973	0.978
Pdh Tj = +7°C	3.47 kW	3.26 kW
COP Tj = +7°C	5.56	4.38
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	4.03 kW	3.87 kW
COP Tj = 12°C	6.74	5.47
Cdh Tj = +12 °C	0.972	0.976
Pdh Tj = Tbiv	6.00 kW	5.55 kW
COP Tj = Tbiv	2.43	1.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	5.55 kW





	<u> </u>	
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.86
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.994
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	7.30 kW	6.80 kW
Annual energy consumption Qhe	5007 kWh	5992 kWh
Pdh Tj = -15°C (if TOL<-20°C)	6.00	1.86
COP Tj = -15°C (if TOL<-20°C)	2.43	1.86
Cdh Tj = -15 °C	0.993	0.994

# **Average Climate**

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)



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	Low temperature	Medium temperature
$\eta_{s}$	167 %	121 %
Prated	6.80 kW	5.31 kW
SCOP	4.24	3.10
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.92 kW	4.78 kW
$COP Tj = -7^{\circ}C$	2.64	1.90
Cdh Tj = -7 °C	0.992	0.993
Pdh Tj = +2°C	3.58 kW	2.80 kW
COP Tj = +2°C	4.22	3.11
Cdh Tj = +2 °C	0.980	0.981
Pdh Tj = +7°C	3.49 kW	3.16 kW
$COP Tj = +7^{\circ}C$	5.51	3.96
Cdh Tj = +7 °C	0.973	0.979
Pdh Tj = 12°C	3.91 kW	3.81 kW
COP Tj = 12°C	6.40	5.22
Cdh Tj = +12 °C	0.972	0.977
Pdh Tj = Tbiv	6.80 kW	5.31 kW
COP Tj = Tbiv	2.54	1.54
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.80 kW	5.31 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.994	0.995
WTOL	57 °C	57 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3311 kWh	3535 kWh

# Domestic Hot Water (DHW)

## Warmer Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	113 %
СОР	2.65
Heating up time	01:44 h:min
Standby power input	51.0 W
Reference hot water temperature	51.9 °C
Mixed water at 40°C	252 l



## Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	72 %	
СОР	1.64	
Heating up time	02:43 h:min	
Standby power input	109.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	250 l	

# Average Climate

EN 16147		
Deployed load worfile		
Declared load profile	L	
Efficiency ηDHW	94 %	
СОР	2.22	
Heating up time	02:11 h:min	
Standby power input	58.0 W	
Reference hot water temperature	52.1 °C	
Mixed water at 40°C	254 I	

# Model: Buderus Logatherm WPLS6.2 RTS

Configure model		
Model name Buderus Logatherm WPLS6.2 RTS		
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 3x400V 50Hz		

# Heating

EN 14511-2		
Low temperature Medium temperature		
Heat output	3.47 kW	7.62 kW
El input	1.96 kW	3.46 kW
СОР	1.77	2.20

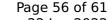
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

## Warmer Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	215 %	148 %
Prated	6.39 kW	5.81 kW
SCOP	5.45	3.77
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.39 kW	5.81 kW
COP Tj = +2°C	3.10	2.02
Cdh Tj = +2 °C	0.992	0.994
Pdh Tj = +7°C	4.22 kW	3.72 kW
COP Tj = +7°C	5.21	3.36
Cdh Tj = +7 °C	0.979	0.985
Pdh Tj = 12°C	4.01 kW	3.72 kW
COP Tj = 12°C	6.57	4.84
Cdh Tj = +12 °C	0.972	0.978





This information was generated by the HP KEYMARK database on 22 Jun 2022 Pdh Tj = Tbiv6.39 kW 5.81 kW COP Tj = Tbiv 3.10 2.02 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 6.39 kW 5.81 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 3.10 2.02 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.992 0.994 WTOL 57 °C 57 °C 17 W 17 W Poff PTO 17 W 17 W **PSB** 17 W 17 W **PCK** 16 W 16 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW

#### Colder Climate

Annual energy consumption Qhe

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)

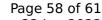
1566 kWh

2058 kWh





	Low temperature	Medium temperature
$\eta_{s}$	141 %	109 %
Prated	7.30 kW	6.80 kW
SCOP	3.59	2.80
ГЬіν	-15 °C	-15 °C
ΓOL	-15 °C	-15 °C
Pdh Tj = -7°C	4.40 kW	4.12 kW
COP Tj = -7°C	3.29	2.37
Cdh Tj = -7 °C	0.987	0.990
$Pdh Tj = +2^{\circ}C$	3.00 kW	2.73 kW
COP Tj = +2°C	4.74	3.55
Cdh Tj = +2 °C	0.973	0.978
Pdh Tj = +7°C	3.47 kW	3.26 kW
$COP Tj = +7^{\circ}C$	5.56	4.38
Cdh Tj = +7 °C	0.973	0.977
Pdh Tj = 12°C	4.03 kW	3.87 kW
COP Tj = 12°C	6.74	5.47
Cdh Tj = +12 °C	0.972	0.976
Pdh Tj = Tbiv	6.00 kW	5.55 kW
COP Tj = Tbiv	2.43	1.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	5.55 kW

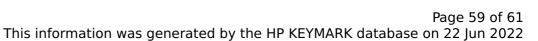




COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.86
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.993	0.994
WTOL	57 °C	57 °C
Poff	17 W	17 W
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	7.30 kW	6.80 kW
Annual energy consumption Qhe	5007 kWh	5992 kWh
Pdh Tj = -15°C (if TOL<-20°C)	6.00	5.55
COP Tj = -15°C (if TOL $<$ -20°C)	2.43	1.86
Cdh Tj = -15 °C	0.993	0.994

# Average Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	38 dB(A)	38 dB(A)
Sound power level outdoor	65 dB(A)	65 dB(A)





	Low temperature	Medium temperature
$\eta_{s}$	167 %	121 %
Prated	6.80 kW	5.31 kW
SCOP	4.24	3.10
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = $-7^{\circ}$ C	5.92 kW	4.78 kW
$COP Tj = -7^{\circ}C$	2.64	1.90
Cdh Tj = -7 °C	0.992	0.993
Pdh Tj = $+2$ °C	3.58 kW	2.80 kW
$COP Tj = +2^{\circ}C$	4.22	3.11
Cdh Tj = +2 °C	0.980	0.981
Pdh Tj = $+7$ °C	3.49 kW	3.16 kW
$COP Tj = +7^{\circ}C$	5.51	3.96
Cdh Tj = +7 °C	0.973	0.979
Pdh Tj = 12°C	3.91 kW	3.81 kW
COP Tj = 12°C	6.40	5.22
Cdh Tj = +12 °C	0.972	0.977
Pdh Tj = Tbiv	6.80 kW	5.31 kW
COP Tj = Tbiv	2.54	1.54
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.80 kW	5.31 kW





COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.54 1.54 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 0.994 0.995 WTOL 57 °C 57 °C Poff 17 W 17 W PTO 17 W 17 W **PSB** 17 W 17 W **PCK** 16 W 16 W Supplementary Heater: Type of energy input Electricity Electricity 0.00 kW 0.00 kW

3311 kWh

3535 kWh

## Domestic Hot Water (DHW)

#### Warmer Climate

Supplementary Heater: PSUP

Annual energy consumption Qhe

EN 16147	
Declared load profile	L
Efficiency ηDHW	100 %
СОР	2.34
Heating up time	01:42 h:min
Standby power input	63.0 W
Reference hot water temperature	50.9 °C
Mixed water at 40°C	247 I



## Colder Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	70 %	
СОР	1.61	
Heating up time	01:56 h:min	
Standby power input	111.2 W	
Reference hot water temperature	50.5 °C	
Mixed water at 40°C	244	

# Average Climate

EN 16147		
Declared load profile	1	
	L	
Efficiency ηDHW	87 %	
СОР	2.04	
Heating up time	02:08 h:min	
Standby power input	62.2 W	
Reference hot water temperature	51.1 °C	
Mixed water at 40°C	238	