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Login

Summary of	Buderus Logatherm WPLS4/6.2	Reg. No.	011-1W0140	
Certificate Holder	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

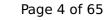
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.47 kW	6.80 kW	
El input	1.96 kW	2.99 kW	
СОР	1.77	2.27	

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	
175 %	122 %	
5.84 kW	4.78 kW	
4.46	3.12	
-10 °C	-10 °C	
-10 °C	-10 °C	
5.19 kW	4.20 kW	
3.04	1.91	
0.990	0.992	
3.01 kW	2.52 kW	
4.53	3.09	
0.974	0.979	
3.49 kW	3.16 kW	
5.57	4.08	
0.973	0.978	
	Low temperature 175 % 5.84 kW 4.46 -10 °C -10 °C 5.19 kW 3.04 0.990 3.01 kW 4.53 0.974 3.49 kW 5.57	





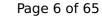
	-	
Pdh Tj = 12°C	3.49 kW	3.81 kW
COP Tj = 12°C	5.57	5.35
Cdh Tj = +12 °C	0.973	0.976
Pdh Tj = Tbiv	5.84 kW	4.77 kW
COP Tj = Tbiv	2.68	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.84 kW	4.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh 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

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)	

EN 14825		
	Low temperature	Medium temperature
η_{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
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	4.43
COP Tj = -15°C (if TOL<-20°C)	2.81	1.99
Cdh Tj = -15 °C	0.991	0.992
	1	

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
η_{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 = $+7^{\circ}$ C	3.96 kW	3.16 kW
$COP Tj = +7^{\circ}C$	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 fir NETT with addasse on 10 flar 2022			
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	
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	
Annual energy consumption Qhe	1510 kWh	1737 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
η_{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°C	5.57	4.08
Cdh Tj = +7 °C	0.973	0.978



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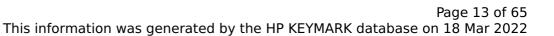
Pdh Tj = 12°C	3.49 kW	3.81 kW
COP Tj = 12°C	5.57	5.35
Cdh Tj = +12 °C	0.973	0.976
Pdh Tj = Tbiv	5.84 kW	4.77 kW
COP Tj = Tbiv	2.68	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.84 kW	4.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if 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
РСК	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

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)

EN 14825		
	Low temperature	Medium temperature
η_{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°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	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 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

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
η_{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 = $+7^{\circ}$ C	3.96 kW	3.16 kW
$COP Tj = +7^{\circ}C$	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

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
η_{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°C	5.57	4.08
Cdh Tj = +7 °C	0.973	0.978



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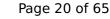
-	
3.49 kW	3.81 kW
5.57	5.35
0.973	0.976
5.84 kW	4.77 kW
2.68	1.72
5.84 kW	4.77 kW
2.68	1.72
0.992	0.994
57 °C	57 °C
17 W	17 W
17 W	17 W
17 W	17 W
16 W	16 W
Electricity	Electricity
0.00 kW	0.00 kW
2708 kWh	3163 kWh
	5.57 0.973 5.84 kW 2.68 5.84 kW 2.68 0.992 57 °C 17 W 17 W 17 W 16 W Electricity 0.00 kW

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)

EN 14825		
	Low temperature	Medium temperature
η_{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°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

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
η_{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 = $+7^{\circ}$ C	3.96 kW	3.16 kW
$COP Tj = +7^{\circ}C$	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

Domestic Hot Water (DHW)

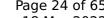


EN 16147	
Declared load profile	L
Efficiency ηDHW	94 %
СОР	2.22
Heating up time	02:11 h:min
Standby power input	58.0 W
Reference hot water temperature	52.1 °C
Mixed water at 40°C	254 I

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 I

Warmer Climate





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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

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

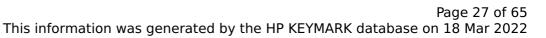
EN 14511-2			
Low temperature Medium temperature			
Heat output	3.47 kW	6.80 kW	
El input	1.96 kW	2.99 kW	
СОР	1.77	2.27	

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
η_{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°C	5.57	4.08
Cdh Tj = +7 °C	0.973	0.978





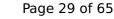
Pdh Tj = 12°C	3.49 kW	3.81 kW
COP Tj = 12°C	5.57	5.35
Cdh Tj = +12 °C	0.973	0.976
Pdh Tj = Tbiv	5.84 kW	4.77 kW
COP Tj = Tbiv	2.68	1.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.84 kW	4.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.68	1.72
Cdh Tj = TOL or Pdh Tj = Tdesignh if 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

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)

EN 14825		
	Low temperature	Medium temperature
η_{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°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	4.43
COP Tj = -15°C (if TOL $<$ -20°C)	2.81	1.99
Cdh Tj = -15 °C	0.991	0.992

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
η_{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 = $+7^{\circ}$ C	3.96 kW	3.16 kW
$COPTj = +7^{\circ}C$	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



<u> </u>	
6.17 kW	4.94 kW
3.53	2.07
6.17 kW	4.94 kW
3.53	2.07
0.990	0.993
57 °C	57 °C
17 W	17 W
17 W	17 W
17 W	17 W
16 W	16 W
Electricity	Electricity
0.00 kW	0.00 kW
1510 kWh	1737 kWh
	3.53 6.17 kW 3.53 0.990 57 °C 17 W 17 W 17 W 16 W Electricity 0.00 kW

Domestic Hot Water (DHW)

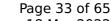


EN 16147	
Declared load profile	L
Efficiency ηDHW	87 %
СОР	2.04
Heating up time	02:08 h:min
Standby power input	62.2 W
Reference hot water temperature	51.1 °C
Mixed water at 40°C	238 I

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

Warmer Climate





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

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		
η_{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°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°C	5.51	3.96		
Cdh Tj = +7 °C	0.973	0.979		



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This information was generated by the HP KEYMARK database on 18 Mar 2022

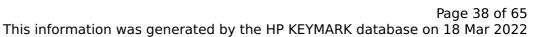
Pdh Tj = 12°C	3.91 kW	3.81 kW
COP Tj = 12°C	6.40	5.22
Cdh Tj = +12 °C	0.972	0.977
Pdh Tj = Tbiv	6.80 kW	5.31 kW
COP Tj = Tbiv	2.54	1.54
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.80 kW	5.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if 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

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)

EN 14825		
	Low temperature	Medium temperature
η_{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
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



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
η_{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 = $+7^{\circ}$ C	4.22 kW	3.72 kW
$COPTj = +7^{\circ}C$	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

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

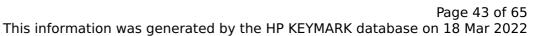
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

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)

EN 14825		
	Low temperature	Medium temperature
η_{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°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°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	n/a	
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3311 kWh	3535 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)

EN 14825		
	Low temperature	Medium temperature
η_{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 = $+7^{\circ}$ 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
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



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
η_{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



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	

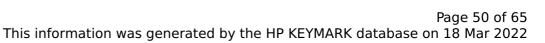
EN 14511-4		
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	
Starting and operating test	passed	

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)	

EN 14825		
	Low temperature	Medium temperature
η_{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°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°C	5.51	3.96
Cdh Tj = +7 °C	0.973	0.979



\bigcirc	
	CEN heat pump
13	KEYMARK

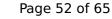
Pdh Tj = 12°C	3.91 kW	3.81 kW
COP Tj = 12°C	6.40	5.22
Cdh Tj = +12 °C	0.972	0.977
Pdh Tj = Tbiv	6.80 kW	5.31 kW
COP Tj = Tbiv	2.54	1.54
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.80 kW	5.31 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.54	1.54
Cdh Tj = TOL or Pdh Tj = Tdesignh if 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
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3311 kWh	3535 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)

EN 14825		
	Low temperature	Medium temperature
η_{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



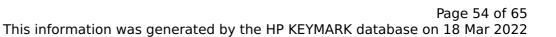


Pdh Tj = 12°C	4.03 kW	3.87 kW
COP Tj = 12°C	6.74	5.47
Cdh Tj = +12 °C	0.972	0.976
Pdh Tj = Tbiv	6.00 kW	5.55 kW
COP Tj = Tbiv	2.43	1.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.00 kW	5.55 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.43	1.86
Cdh Tj = TOL or Pdh Tj = Tdesignh if 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



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
η_{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 = $+7^{\circ}$ C	4.22 kW	3.72 kW
$COPTj = +7^{\circ}C$	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

Domestic Hot Water (DHW)

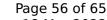
Average Climate



EN 16147	
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

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





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

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	out 1.96 kW 3.46 kW		
COP	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

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)

EN 14825		
Low temperature	Medium temperature	
167 %	121 %	
6.80 kW	5.31 kW	
4.24	3.10	
-10 °C	-10 °C	
-10 °C	-10 °C	
5.92 kW	4.78 kW	
2.64	1.90	
0.992	0.993	
3.58 kW	2.80 kW	
4.22	3.11	
0.980	0.981	
3.49 kW	3.16 kW	
5.51	3.96	
0.973	0.979	
	Low temperature 167 % 6.80 kW 4.24 -10 °C -10 °C 5.92 kW 2.64 0.992 3.58 kW 4.22 0.980 3.49 kW 5.51	



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This information was generated by the HP KEYMARK database on 18 Mar 2022

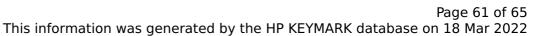
3.91 kW	3.81 kW
6.40	5.22
0.972	0.977
6.80 kW	5.31 kW
2.54	1.54
6.80 kW	5.31 kW
2.54	1.54
0.994	0.995
57 °C	57 °C
17 W	17 W
17 W	17 W
17 W	17 W
16 W	16 W
Electricity	Electricity
0.00 kW	0.00 kW
3311 kWh	3535 kWh
	6.40 0.972 6.80 kW 2.54 6.80 kW 2.54 0.994 57 °C 17 W 17 W 16 W Electricity 0.00 kW

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)

EN 14825		
	Low temperature	Medium temperature
η_{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
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	5.55
COP Tj = -15°C (if TOL $<$ -20°C)	2.43	1.86
Cdh Tj = -15 °C	0.993	0.994



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	
η_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	
$COP Tj = +7^{\circ}C$	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

Domestic Hot Water (DHW)

Average Climate



EN 16147

Declared load profile

Efficiency ηDHW

87 %

COP

2.04

Heating up time

02:08 h:min

Standby power input

62.2 W

Reference hot water temperature

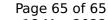
51.1 °C

Mixed water at 40°C

238 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	





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	