Subtype Buderus Logatherm WPLS4/6.2	
Certificate Holder	Bosch Thermotechnik GmbH (Buderus)
Address	Sophienstraße 30-32
ZIP	35576
City	Wetzlar
Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Buderus Logatherm WPLS4/6.2
Registration number	011-1W0140
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	1.6 kg
Certification Date	18.07.2017

Model Buderus Logatherm WPLS4.2 RE	
Model name	Buderus Logatherm WPLS4.2 RE
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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
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	2708 kWh	3163 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	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
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	5.50	4.43
COP Tj = -15°C (if TOL	2.81	1.99
Cdh Tj = -15 °C	0.991	0.992

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	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
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	
Model name	Buderus Logatherm WPLS4.2 RB
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.47 kW	6.80 kW
El input	1.96 kW	2.99 kW
COP	1.77	2.27

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input		
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2708 kWh	3163 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	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
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input		
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4500 kWh	4933 kWh
Pdh Tj = -15°C (if TOL	5.50	4.43
COP Tj = -15°C (if TOL	2.81	1.99
Cdh Tj = -15 °C	0.991	0.992

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	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
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input		
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1510 kWh	1737 kWh

Model Buderus Logatherm WPLS4.2 RT	
Model name	Buderus Logatherm WPLS4.2 RT
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	94 %
COP	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 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	72 %
COP	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 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	113 %
COP	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
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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
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	2708 kWh	3163 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	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
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	5.50	1.99
COP Tj = -15°C (if TOL	2.81	1.99
Cdh Tj = -15 °C	0.991	0.992

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	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
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 RTS	
Model name	Buderus Logatherm WPLS4.2 RTS
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
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 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	70 %
COP	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 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	100 %
COP	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 l
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.47 kW	6.80 kW
El input	1.96 kW	2.99 kW
COP	1.77	2.27

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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
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	2708 kWh	3163 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	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
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	5.50	4.43
COP Tj = -15°C (if TOL	2.81	1.99
Cdh Tj = -15 °C	0.991	0.992

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	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
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 WPLS6.2 RE	
Model name	Buderus Logatherm WPLS6.2 RE
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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°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
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

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	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	6.00	5.55
COP Tj = -15°C (if TOL	2.43	1.86
Cdh Tj = -15 °C	0.993	0.994

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	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
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	1566 kWh	2058 kWh

Model Buderus Logatherm WPLS6.2 RB	
Model name	Buderus Logatherm WPLS6.2 RB
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	No

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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°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
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input		
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3311 kWh	3535 kWh

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	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		
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	5007 kWh	5992 kWh
Pdh Tj = -15°C (if TOL	6.00	5.55
COP Tj = -15°C (if TOL	2.43	1.86
Cdh Tj = -15 °C	0.993	0.994

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	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
PTO	17 W	17 W
PSB	17 W	17 W
PCK	16 W	16 W
Supplementary Heater: Type of energy input		
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1566 kWh	2058 kWh

Model Buderus Logatherm WPLS6.2 RT	
Model name	Buderus Logatherm WPLS6.2 RT
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	94 %
COP	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 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	72 %
COP	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 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	113 %
COP	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
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	3.47 kW	7.62 kW
El input	1.96 kW	3.46 kW
COP	1.77	2.20

EN 12102-1 | Average Climate

	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 | Average Climate

	Low temperature	Medium temperature
ηs	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°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
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

EN 12102-1 | Colder Climate		
	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 | Colder Climate		
	Low temperature	Medium temperature
ηs	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	6.00	1.86
COP Tj = -15°C (if TOL	2.43	1.86
Cdh Tj = -15 °C	0.993	0.994

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	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
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	1566 kWh	2058 kWh

Model Buderus Logatherm WPLS6.2 RTS	
Model name	Buderus Logatherm WPLS6.2 RTS
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Heat Source	Outdoor Air
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	No

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
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 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	70 %
COP	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 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	100 %
COP	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 l
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

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

EN 12102-1 | Average Climate		
	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 | Average Climate		
	Low temperature	Medium temperature
ηs	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°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
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

EN 12102-1 | Colder Climate

	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 | Colder Climate

	Low temperature	Medium temperature
ηs	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	6.00	5.55
COP Tj = -15°C (if TOL	2.43	1.86
Cdh Tj = -15 °C	0.993	0.994

EN 12102-1 | Warmer Climate

	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 | Warmer Climate

	Low temperature	Medium temperature
ηs	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
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	1566 kWh	2058 kWh