Subtype Buderus Logatherm WPS 6K-1	
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 WPS 6K-1
Registration number	011-1W0177
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	1.55 kg
Certification Date	17.11.2017

Model Buderus Logatherm WPS 6K-1	
Model name	Buderus Logatherm WPS 6K-1
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

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

Brine/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	92 %
COP	2.21
Heating up time	1:45 h:min
Standby power input	37.5 W
Reference hot water temperature	47.6 °C
Mixed water at 40°C	209 l

EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	92 %
COP	2.21
Heating up time	114.7 h:min
Standby power input	37.5 W
Reference hot water temperature	47.6 °C
Mixed water at 40°C	209 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	92 %
COP	2.21
Heating up time	114.7 h:min
Standby power input	37.5 W
Reference hot water temperature	47.6 °C
Mixed water at 40°C	209 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	5.52 kW	4.94 kW
El input	1.34 kW	1.88 kW
COP	4.12	2.63

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	167 %	123 %
Prated	7 kW	6 kW
SCOP	4.38	3.27
Tbiv	-4 °C	-5 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.54 kW	5.02 kW
COP Tj = -7°C	4.22	2.79
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.60 kW	5.19 kW
COP Tj = +2°C	4.46	3.27
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.64 kW	5.29 kW
COP Tj = +7°C	4.67	3.62
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.69 kW	5.39 kW
COP Tj = 12°C	4.91	4.02
Cdh Tj = +12 °C	0.99	1.00
Pdh Tj = Tbiv	5.57 kW	5.06 kW
COP Tj = Tbiv	4.33	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.52 kW	4.94 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.63
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	62 °C	62 °C
Poff	6 W	6 W
PTO	6 W	6 W
PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	1.48 kW	1.06 kW
Annual energy consumption Qhe	3305 kWh	3790 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	172 %	126 %
Prated	7.00 kW	6.00 kW
SCOP	4.49	3.35
Tbiv	-14 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.61 kW	5.15 kW
COP Tj = -7°C	4.51	3.17
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.65 kW	5.27 kW
COP Tj = +2°C	4.69	3.55
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.68 kW	5.36 kW
COP Tj = +7°C	4.84	3.90
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.68 kW	5.43 kW
COP Tj = 12°C	4.87	4.18
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.58 kW	5.06 kW
COP Tj = Tbiv	4.38	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.52 kW	4.94 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.63
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	62 °C	62 °C
Poff	6 W	6 W
PTO	6 W	6 W
PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.48 kW	1.06 kW
Annual energy consumption Qhe	3841 kWh	4411 kWh
Cdh Tj = -15 °C	1.00	1.00

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	48 dB(A)	48 dB(A)

EN 14825 | Warmer Climate		
	Low temperature	Medium temperature
ηs	167 %	123 %
Prated	7.00 kW	6.00 kW
SCOP	4.39	3.27
Tbiv	5 °C	5 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.52 kW	4.94 kW
COP Tj = +2°C	4.12	2.63
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.59 kW	5.11 kW
COP Tj = +7°C	4.42	3.05
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	5.66 kW	5.32 kW
COP Tj = 12°C	4.75	3.75
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.57 kW	5.06 kW
COP Tj = Tbiv	4.35	2.91
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.52 kW	4.94 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.12	2.63
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	62 °C	62 °C
Poff	6 W	6 W
PTO	6 W	6 W
PSB	6 W	6 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.48 kW	1.06 kW
Annual energy consumption Qhe	2132 kWh	2450 kWh