

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

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Summary of	Buderus Logatherm WSW196i-12	Reg. No.	011-1W0151
Certificate Holder			
Name	Bosch Thermotechnik GmbH (Buderus)		
Address	Sophienstraße 30-32	Zip	35576
City	Wetzlar	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	Buderus Logatherm WSW196i-12		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.39 kg		

Model: Buderus Logatherm WSW196i-12T 190

Configure model	
Model name	Buderus Logatherm WSW196i-12T 190
Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

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

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.81 kW	9.81 kW
El input	1.79 kW	3.45 kW
COP	4.36	2.84

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	49 dB(A)	49 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	213 %	158 %
Prated	11.00 kW	10.00 kW
SCOP	5.32	4.08
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.44 kW	9.27 kW
COP Tj = -7°C	4.19	3.12
Pdh Tj = +2°C	6.02 kW	5.55 kW
COP Tj = +2°C	5.51	4.13
Pdh Tj = +7°C	3.80 kW	3.65 kW
COP Tj = +7°C	5.99	4.77
Pdh Tj = 12°C	2.64 kW	2.77 kW
COP Tj = 12°C	6.21	4.95
Pdh Tj = Tbiv	10.50 kW	9.81 kW
COP Tj = Tbiv	3.86	2.84

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$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	11.30 kW	9.80 kW
$COP T_j = TOL$ or $COP T_j = T_{designh}$ if $TOL < T_{designh}$	3.97	2.64
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	1.00	1.00
WTOL	62 °C	62 °C
Poff	0 W	0 W
PTO	18 W	18 W
PSB	18 W	18 W
PCK	18 W	18 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Q_{he}	4269 kWh	5231 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	L
Efficiency η_{DHW}	93 %
COP	2.33
Heating up time	02:42 h:min
Standby power input	68.5 W
Reference hot water temperature	54.9 °C
Mixed water at 40°C	281 l

Model: Buderus Logatherm WSW196i-12TS 185

Configure model	
Model name	Buderus Logatherm WSW196i-12TS 185
Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

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

Heating

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	Low temperature	Medium temperature
Heat output	7.81 kW	9.81 kW
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