

Summary of	Buderus Logatherm WLW196i-4 AR	Reg. No.	011-1W0127
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		
Name of testing laboratory	RISE Research Institutes of Sweden AB		
Subtype title	Buderus Logatherm WLW196i-4 AR		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.7 kg		



# Model: Buderus Logatherm WLW196i-4 ARE

General Data	
Power supply	1x230V 50Hz

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.03 kW	1.63 kW
El input	0.45 kW	0.62 kW
СОР	4.55	2.62
Indoor water flow rate	0.35 m³/h	0.18 m³/h

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
Defrost test	passed



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
Sound power level outdoor	54 dB(A)	54 dB(A)

EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	197 %	139 %
Prated	4.00 kW	4.00 kW
SCOP	5.00	3.55
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	3.90 kW	3.50 kW
COP Tj = -7°C	3.07	2.12
Pdh Tj = +2°C	2.30 kW	2.20 kW
COP Tj = +2°C	4.98	3.32
Pdh Tj = +7°C	1.50 kW	2.20 kW
COP Tj = +7°C	6.54	4.90
Pdh Tj = 12°C	1.40 kW	2.70 kW
COP Tj = 12°C	9.41	7.71
Pdh Tj = Tbiv	4.30 kW	4.00 kW



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COP Tj = Tbiv	2.70	1.81
Pdh Tj = TOL	3.60 kW	3.30 kW
COP Tj = TOL	1.55	1.61
Cdh	1.00	1.00
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	17 W	17 W
PSB	17 W	17 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1887 kWh	2466 kWh



## Model: Buderus Logatherm WLW196i-4 ARB

General Data	
Power supply	1x230V 50Hz

### Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.03 kW	1.63 kW
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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
Defrost test	passed



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Pdh Tj = TOL	3.60 kW	3.30 kW
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WTOL	60 °C	60 °C
Poff	17 W	17 W
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PSB	17 W	17 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1887 kWh	2466 kWh



# Model: Buderus Logatherm WLW196i-4 ART

General Data	
Power supply 1x230V 50Hz	

### Heating

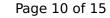
EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.03 kW	1.63 kW
El input	0.45 kW	0.62 kW
СОР	4.55	2.62
Indoor water flow rate	0.35 m³/h	0.18 m³/h

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	
Defrost test	passed	



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	Low temperature	Medium temperature
Sound power level indoor	35 dB(A)	35 dB(A)
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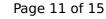
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Supplementary Heater: Type of energy input	Electric	Electric
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1887 kWh	2466 kWh

Domestic Hot Water (DHW)





EN 16147		
Declared load profile	L	
Efficiency ηDHW	97 %	
СОР	2.43	
Heating up time	03:22 h:min	
Standby power input	51.7 W	
Reference hot water temperature	55.5 °C	
Mixed water at 40°C	284	



## Model: Buderus Logatherm WLW196i-4 ARTS

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### Heating

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Heat output	2.03 kW	1.63 kW
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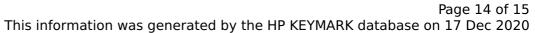
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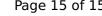
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